

S01_01 (S041010): Life Science / Knowing Type: MC Key: A
Label: The function of seeds

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	80.3	80.3	7.2	5.1	6.1	1.1	0.1	81.0	79.6
Bahrain	598	63.2	63.2	14.6	12.2	9.0	0.6	0.3	62.6	63.9
Belgium (Flemish)	766	83.9	83.9	6.5	3.4	4.4	1.3	0.5	83.5	84.4
Bulgaria	601	85.0	85.0	5.6	3.0	4.2	1.9	0.3	84.4	85.6
Canada	1738	82.1	82.1	7.9	3.6	5.5	0.7	0.3	84.0	80.8
Chile	673	87.8	87.8	4.4	3.6	2.0	0.9	1.2	85.6	89.7
Chinese Taipei	613	91.5	91.5	3.0	2.0	2.8	0.7	0.0	90.8	92.2
Croatia	571	85.9	85.9	7.8	2.4	2.9	0.8	0.2	87.9	84.3
Cyprus	589	72.1	72.1	4.9	10.0	11.3	1.3	0.5	69.4	75.1
Czech Republic	750	92.5	92.5	2.2	2.3	2.1	1.0	0.0	92.3	92.7
Denmark	526	80.5	80.5	4.6	8.2	4.4	1.4	0.9	80.4	80.6
England	569	81.9	81.9	6.4	5.1	6.1	0.5	0.0	82.8	80.9
Finland	716	93.8	93.8	1.8	1.3	1.5	1.1	0.4	96.2	91.5
France	688	80.6	80.6	4.9	7.2	4.3	2.3	0.8	82.4	79.0
Georgia	554	71.1	71.1	8.2	9.2	7.5	1.5	2.4	74.1	68.5
Germany	556	88.0	88.0	4.0	3.2	3.2	1.3	0.3	89.7	86.2
Hong Kong SAR	517	87.4	87.4	5.8	2.8	3.8	0.2	0.0	86.6	88.1
Hungary	715	86.7	86.7	5.9	2.4	2.0	2.7	0.4	84.7	88.8
Indonesia	577	71.3	71.3	11.6	5.8	10.5	0.5	0.2	72.1	70.7
Iran, Islamic Rep. of	543	66.5	66.5	13.9	11.0	5.4	1.5	1.6	66.7	66.4
Ireland	623	81.4	81.4	6.8	4.4	6.5	0.8	0.1	84.9	78.0
Italy	624	90.6	90.6	2.1	1.4	2.7	3.1	0.0	90.6	90.6
Japan	621	82.5	82.5	9.7	4.8	2.5	0.6	0.0	81.7	83.4
Kazakhstan	668	83.8	83.8	5.3	5.4	5.3	0.2	0.0	84.3	83.3
Korea, Rep. of	664	88.2	88.2	6.9	2.1	2.7	0.0	0.0	89.1	87.4
Kuwait	492	51.2	51.2	19.5	14.1	8.0	5.1	2.0	48.4	53.4
Lithuania	649	85.8	85.8	2.5	6.7	3.8	1.2	0.1	81.9	89.7
Morocco	724	37.8	37.8	28.2	19.4	11.4	2.4	0.8	37.1	38.4
Netherlands	651	85.4	85.4	5.4	3.7	5.0	0.2	0.2	84.1	86.7
New Zealand	904	76.6	76.6	7.9	5.7	8.8	0.9	0.1	78.9	74.4
Northern Ireland	452	85.1	85.1	5.0	4.7	4.9	0.3	0.0	87.0	83.4
Norway	621	82.1	82.1	1.3	4.8	10.5	1.2	0.1	81.3	83.0
Oman	1307	49.6	49.6	17.5	21.2	9.9	1.4	0.4	48.5	50.5
Poland	669	93.8	93.8	1.0	1.2	3.3	0.3	0.4	94.3	93.4
Portugal	685	89.6	89.6	3.6	4.4	1.9	0.6	0.0	91.1	88.1
Qatar	728	69.0	69.0	11.2	8.6	9.3	1.2	0.7	67.9	70.0
Russian Federation	705	89.7	89.7	6.4	1.5	1.6	0.8	0.0	90.3	89.2
Saudi Arabia	616	56.5	56.5	19.4	12.6	10.2	0.6	0.7	59.9	53.2
Serbia	590	90.0	90.0	5.1	1.7	1.9	0.7	0.7	91.9	88.2
Singapore	939	88.8	88.8	4.2	3.5	3.4	0.1	0.0	91.4	86.4
Slovak Republic	818	86.9	86.9	4.5	3.7	4.0	0.2	0.6	86.6	87.2
Slovenia	628	90.6	90.6	4.8	2.3	1.1	0.6	0.5	90.3	90.9
Spain	1108	84.7	84.7	7.8	3.8	2.4	0.5	0.7	83.1	86.1
Sweden	588	87.7	87.7	2.5	1.8	6.5	0.8	0.6	89.7	85.8
Turkey	925	79.5	79.5	12.1	5.5	2.6	0.3	0.0	79.0	80.0
United Arab Emirates	3039	66.2	66.2	13.8	11.4	7.5	1.0	0.1	63.5	68.7
United States	1448	83.0	83.0	6.6	3.9	5.4	0.9	0.1	82.9	83.1
International Avg (n=47)	36221	80.2	80.2	7.5	5.7	5.1	1.0	0.4	80.4	80.0
Buenos Aires, Argentina	408	82.4	82.4	1.7	5.5	2.9	5.2	2.3	79.2	85.5
Ontario, Canada	651	82.0	82.0	7.9	3.1	5.8	0.9	0.4	83.4	80.5
Quebec, Canada	403	84.3	84.3	5.1	4.4	5.9	0.3	0.0	89.5	80.2
Norway (4)	599	80.1	80.1	2.9	4.3	10.5	1.0	1.1	79.2	81.1
Abu Dhabi, UAE	716	55.7	55.7	17.0	15.8	9.9	1.6	0.0	52.4	58.8
Dubai, UAE	1069	80.6	80.6	7.8	4.8	6.3	0.5	0.0	78.8	82.2
Florida, US	288	83.2	83.2	8.0	3.0	4.6	1.0	0.2	82.6	83.7

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent.

S01_02 (S041034): Life Science / Knowing Type: MC Key: D
Label: Exercising and breathing faster

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	63.4	4.8	5.6	24.0	63.4	1.9	0.2	59.6	67.7
Bahrain	598	49.9	15.6	5.1	28.2	49.9	0.9	0.3	50.6	49.2
Belgium (Flemish)	766	77.5	5.3	4.1	11.5	77.5	1.1	0.5	79.8	75.1
Bulgaria	601	77.9	7.9	1.6	10.5	77.9	1.8	0.3	78.5	77.4
Canada	1738	59.1	5.1	6.6	27.9	59.1	1.0	0.4	57.7	60.7
Chile	673	52.7	6.1	5.8	33.0	52.7	1.2	1.2	48.3	56.4
Chinese Taipei	613	65.7	2.6	3.5	28.1	65.7	0.1	0.0	61.2	69.6
Croatia	571	74.3	4.8	0.7	18.8	74.3	1.2	0.2	75.3	73.5
Cyprus	589	49.4	9.4	5.6	33.7	49.4	1.2	0.8	48.2	50.8
Czech Republic	750	70.7	4.2	0.7	22.1	70.7	2.2	0.1	69.5	71.8
Denmark	526	72.6	8.0	1.3	15.0	72.6	2.1	1.1	74.2	71.0
England	569	62.2	6.4	3.6	27.3	62.2	0.5	0.0	60.4	64.4
Finland	716	70.0	8.2	0.9	18.4	70.0	2.1	0.4	65.0	74.7
France	688	65.3	2.5	6.8	23.2	65.3	1.4	0.8	64.1	66.2
Georgia	554	69.4	11.0	3.2	12.4	69.4	1.2	2.8	67.2	71.4
Germany	556	67.2	6.2	4.9	19.0	67.2	2.3	0.3	65.3	69.1
Hong Kong SAR	517	86.5	4.5	1.2	7.7	86.5	0.2	0.0	85.2	87.6
Hungary	715	72.6	6.0	2.0	17.0	72.6	1.7	0.7	72.8	72.4
Indonesia	577	58.1	14.8	3.3	22.9	58.1	0.7	0.2	60.9	55.6
Iran, Islamic Rep. of	543	71.2	10.6	2.0	11.5	71.2	3.0	1.6	72.0	70.4
Ireland	623	57.6	6.7	4.6	30.1	57.6	0.9	0.1	56.3	58.9
Italy	624	67.9	4.1	2.3	24.4	67.9	1.3	0.0	65.7	70.1
Japan	621	67.6	14.0	5.0	12.6	67.6	0.7	0.0	61.8	73.5
Kazakhstan	668	74.9	9.7	2.7	12.5	74.9	0.1	0.0	77.7	72.3
Korea, Rep. of	664	74.0	3.4	1.3	21.3	74.0	0.0	0.0	70.9	77.0
Kuwait	492	42.5	19.4	9.6	21.5	42.5	4.5	2.4	44.3	41.3
Lithuania	649	76.9	4.2	2.1	15.5	76.9	1.3	0.1	76.3	77.5
Morocco	724	49.7	17.2	6.1	23.1	49.7	2.9	1.0	51.9	47.7
Netherlands	651	70.4	9.9	4.8	14.1	70.4	0.7	0.2	67.8	73.1
New Zealand	904	61.6	5.9	5.3	26.1	61.6	1.1	0.1	58.5	64.8
Northern Ireland	452	61.3	3.7	6.6	28.2	61.3	0.2	0.0	57.9	64.4
Norway	621	73.0	6.1	5.9	14.3	73.0	0.6	0.1	69.9	76.4
Oman	1304	51.8	13.7	5.1	26.8	51.8	2.3	0.3	53.1	50.7
Poland	669	72.9	8.8	1.4	15.8	72.9	0.7	0.4	73.3	72.5
Portugal	685	55.5	7.2	2.8	33.5	55.5	0.9	0.1	52.9	57.9
Qatar	728	60.1	15.6	4.3	17.8	60.1	1.5	0.7	60.5	59.8
Russian Federation	705	84.5	4.5	0.4	10.1	84.5	0.5	0.0	84.4	84.6
Saudi Arabia	614	48.8	14.3	7.5	28.1	48.8	0.6	0.7	52.6	45.2
Serbia	590	67.2	7.1	0.6	22.2	67.2	2.2	0.7	63.9	70.2
Singapore	939	83.3	5.9	3.6	7.2	83.3	0.1	0.0	80.1	86.1
Slovak Republic	818	73.5	11.0	1.7	12.3	73.5	0.9	0.6	72.5	74.4
Slovenia	628	63.0	9.6	1.0	24.3	63.0	1.6	0.5	63.2	62.8
Spain	1108	69.2	4.9	3.2	20.4	69.2	1.6	0.7	69.8	68.7
Sweden	588	65.6	8.9	1.0	21.3	65.6	2.6	0.6	59.8	71.2
Turkey	925	74.5	10.3	2.7	11.5	74.5	1.1	0.0	74.3	74.6
United Arab Emirates	3039	58.9	10.8	4.9	23.4	58.9	1.8	0.1	56.3	61.3
United States	1448	63.4	4.9	3.7	27.0	63.4	0.9	0.1	59.8	67.2
International Avg (n=47)	36216	66.1	8.2	3.6	20.4	66.1	1.3	0.5	64.9	67.2
Buenos Aires, Argentina	408	45.3	7.5	2.2	35.0	45.3	7.6	2.3	48.1	42.6
Ontario, Canada	651	61.2	5.7	4.8	27.0	61.2	0.7	0.7	59.8	62.6
Quebec, Canada	403	58.0	3.8	11.3	26.3	58.0	0.6	0.0	58.2	57.9
Norway (4)	599	63.0	5.3	7.9	21.1	63.0	1.5	1.2	63.5	62.4
Abu Dhabi, UAE	716	52.2	9.9	5.2	29.9	52.2	2.8	0.0	53.0	51.5
Dubai, UAE	1069	69.0	8.5	4.4	17.3	69.0	0.7	0.0	66.3	71.4
Florida, US	288	64.2	6.4	4.2	23.5	64.2	1.4	0.2	64.6	64.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S01_03 (S041017): Life Science / Applying Type: MC Key: A
Label: Animals take care of their young

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	47.0	47.0	2.7	45.1	3.2	1.7	0.2	47.4	46.6
Bahrain	598	31.6	31.6	7.5	49.3	9.8	1.5	0.3	33.3	29.8
Belgium (Flemish)	766	36.4	36.4	3.4	56.6	2.0	1.1	0.6	35.3	37.5
Bulgaria	601	60.1	60.1	4.1	30.8	2.8	1.8	0.3	59.2	61.0
Canada	1738	45.9	45.9	3.6	45.3	3.3	1.4	0.4	45.7	45.8
Chile	673	38.2	38.2	4.6	50.5	3.5	2.0	1.2	34.6	41.1
Chinese Taipei	613	47.0	47.0	3.2	47.4	1.7	0.6	0.0	52.2	42.5
Croatia	571	28.0	28.0	1.1	67.9	1.7	1.0	0.2	26.4	29.4
Cyprus	589	43.5	43.5	3.4	48.2	2.7	1.5	0.8	40.9	46.2
Czech Republic	750	55.9	55.9	2.3	38.2	0.5	2.9	0.1	57.0	54.9
Denmark	526	51.8	51.8	2.8	40.8	2.0	1.3	1.4	49.4	54.1
England	569	32.2	32.2	2.6	60.9	3.1	1.2	0.0	34.4	29.6
Finland	716	42.5	42.5	8.0	42.8	3.6	2.5	0.7	48.6	36.7
France	688	36.3	36.3	3.7	53.5	3.8	1.8	0.9	38.2	34.4
Georgia	554	56.3	56.3	10.1	23.7	6.0	1.0	2.8	58.6	54.3
Germany	556	52.4	52.4	2.2	40.7	1.7	2.7	0.3	56.8	47.9
Hong Kong SAR	517	50.0	50.0	5.2	40.0	4.0	0.8	0.0	52.5	47.8
Hungary	715	51.5	51.5	3.2	37.6	2.9	4.0	0.7	48.9	54.3
Indonesia	577	36.5	36.5	7.9	46.4	8.0	0.8	0.4	41.7	32.0
Iran, Islamic Rep. of	543	33.2	33.2	9.2	45.6	6.9	2.8	2.3	36.0	30.3
Ireland	623	29.9	29.9	4.2	59.3	5.7	0.8	0.1	26.7	32.9
Italy	624	39.4	39.4	3.4	54.7	1.6	0.8	0.3	42.7	36.1
Japan	621	42.3	42.3	4.5	49.6	3.1	0.5	0.0	44.0	40.6
Kazakhstan	668	58.9	58.9	3.4	33.7	3.7	0.4	0.0	60.6	57.3
Korea, Rep. of	664	52.5	52.5	12.8	33.3	1.1	0.2	0.0	51.0	54.0
Kuwait	492	28.2	28.2	11.3	39.6	10.3	8.1	2.5	26.2	30.6
Lithuania	649	44.9	44.9	2.1	48.6	1.7	2.6	0.1	47.9	41.9
Morocco	724	30.6	30.6	13.3	39.1	12.7	3.2	1.1	30.4	30.7
Netherlands	651	47.2	47.2	3.4	47.7	0.7	0.8	0.2	44.3	50.2
New Zealand	904	41.7	41.7	4.5	49.7	3.3	0.8	0.1	42.4	40.9
Northern Ireland	451	37.2	37.2	4.9	56.2	1.8	0.0	0.0	38.0	36.5
Norway	621	48.1	48.1	7.0	39.8	3.5	1.4	0.2	47.2	49.1
Oman	1302	40.2	40.2	10.0	38.8	6.9	3.5	0.5	40.0	40.4
Poland	669	47.1	47.1	2.6	46.8	2.2	0.8	0.4	50.1	44.3
Portugal	685	34.1	34.1	3.9	58.7	1.7	1.6	0.1	34.9	33.3
Qatar	728	47.7	47.7	7.9	36.6	5.3	1.8	0.7	45.8	49.7
Russian Federation	705	50.2	50.2	3.8	42.5	2.7	0.8	0.0	53.4	47.2
Saudi Arabia	615	30.7	30.7	11.8	44.3	10.1	2.4	0.7	28.6	32.6
Serbia	590	34.0	34.0	3.4	57.3	3.0	1.6	0.7	32.0	35.9
Singapore	939	70.5	70.5	1.1	26.1	1.9	0.3	0.0	71.4	69.8
Slovak Republic	818	49.7	49.7	3.0	42.5	2.9	1.2	0.7	50.6	48.9
Slovenia	628	44.6	44.6	5.1	45.1	2.8	1.8	0.7	43.5	45.4
Spain	1108	32.4	32.4	2.5	61.1	1.9	1.5	0.7	30.1	34.5
Sweden	588	43.7	43.7	3.7	48.7	2.1	1.2	0.6	45.7	41.8
Turkey	925	40.9	40.9	3.1	51.4	3.8	0.8	0.0	38.3	43.4
United Arab Emirates	3039	35.6	35.6	9.2	45.3	5.9	3.8	0.2	35.9	35.3
United States	1448	49.1	49.1	2.7	44.2	2.7	1.1	0.1	46.6	51.8
International Avg (n=47)	36214	43.1	43.1	5.1	45.8	3.8	1.7	0.5	43.5	42.8
Buenos Aires, Argentina	408	27.3	27.3	4.0	56.7	2.9	6.5	2.6	28.6	26.0
Ontario, Canada	650	45.5	45.5	4.2	45.0	3.3	1.3	0.7	45.8	45.2
Quebec, Canada	403	42.7	42.7	2.8	51.5	2.5	0.4	0.1	41.0	44.0
Norway (4)	599	43.6	43.6	6.2	43.0	4.1	1.7	1.5	46.1	41.0
Abu Dhabi, UAE	716	31.3	31.3	11.2	41.8	9.0	6.5	0.2	31.0	31.7
Dubai, UAE	1069	42.7	42.7	6.9	46.1	3.1	1.2	0.0	44.5	41.1
Florida, US	288	48.0	48.0	2.2	45.9	0.8	2.7	0.2	45.7	50.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S01_04 (S041124): Life Science / Applying Type: MC Key: A
Label: Advantage for monarch butterfly

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	49.3	49.3	10.7	15.8	23.0	0.8	0.2	48.0	50.9
Bahrain	598	35.5	35.5	17.9	13.5	31.4	1.4	0.3	40.3	30.7
Belgium (Flemish)	766	44.3	44.3	11.2	20.5	22.1	1.3	0.6	45.5	43.0
Bulgaria	601	60.1	60.1	8.4	6.7	22.1	2.3	0.3	59.6	60.7
Canada	1738	51.1	51.1	9.1	17.7	20.0	1.7	0.4	49.9	52.0
Chile	673	42.2	42.2	12.0	18.8	23.3	2.6	1.2	37.7	45.9
Chinese Taipei	613	50.8	50.8	9.7	19.8	19.3	0.4	0.0	47.8	53.5
Croatia	571	41.4	41.4	11.8	20.1	24.3	2.2	0.2	36.6	45.4
Cyprus	589	32.5	32.5	18.9	11.2	34.2	2.2	0.9	30.8	34.4
Czech Republic	750	62.5	62.5	4.8	16.7	12.8	3.0	0.1	64.9	60.3
Denmark	526	64.1	64.1	6.5	11.9	13.2	2.7	1.6	62.8	65.4
England	569	52.2	52.2	9.6	11.7	25.7	0.6	0.2	47.6	57.6
Finland	716	57.8	57.8	6.3	18.2	14.7	2.2	0.7	60.3	55.5
France	688	39.3	39.3	16.5	12.4	27.8	2.9	1.1	41.1	37.6
Georgia	554	39.0	39.0	12.1	20.5	23.0	2.6	2.8	41.7	36.6
Germany	556	55.0	55.0	10.7	9.9	19.6	4.6	0.3	56.9	52.9
Hong Kong SAR	517	40.5	40.5	10.6	35.3	13.3	0.3	0.0	36.1	44.4
Hungary	715	56.1	56.1	5.4	11.1	23.1	3.1	1.2	56.2	56.1
Indonesia	577	39.0	39.0	14.0	18.9	26.3	1.4	0.4	35.7	41.9
Iran, Islamic Rep. of	543	34.5	34.5	18.4	19.9	21.7	2.4	3.1	32.9	36.0
Ireland	623	50.8	50.8	14.2	14.3	19.9	0.7	0.1	50.4	51.2
Italy	624	45.7	45.7	7.1	16.6	25.9	4.6	0.3	43.7	47.6
Japan	621	49.5	49.5	12.3	18.0	19.3	0.8	0.0	45.8	53.5
Kazakhstan	668	43.5	43.5	13.2	20.2	22.4	0.7	0.0	43.2	43.9
Korea, Rep. of	664	53.4	53.4	5.1	23.8	17.2	0.5	0.0	51.3	55.3
Kuwait	493	32.0	32.0	18.3	16.3	21.9	8.6	2.8	32.5	30.6
Lithuania	649	51.1	51.1	11.2	13.5	21.0	3.1	0.1	51.6	50.5
Morocco	729	37.9	37.9	19.7	16.8	20.2	4.0	1.2	38.4	37.5
Netherlands	651	59.0	59.0	7.8	13.6	18.0	1.2	0.2	60.2	57.8
New Zealand	904	51.8	51.8	11.9	13.3	21.4	1.4	0.1	49.8	53.9
Northern Ireland	447	52.4	52.4	11.2	14.3	21.9	0.1	0.0	50.9	53.8
Norway	621	48.4	48.4	11.6	23.3	15.5	1.0	0.2	45.2	51.8
Oman	1308	34.0	34.0	18.8	20.6	23.8	2.2	0.6	33.2	34.6
Poland	669	50.0	50.0	7.8	23.2	16.9	1.6	0.4	51.0	49.1
Portugal	685	39.1	39.1	12.4	13.7	33.0	1.6	0.3	36.2	41.8
Qatar	728	36.6	36.6	13.9	23.3	23.6	2.0	0.7	37.6	35.4
Russian Federation	705	52.4	52.4	7.6	20.0	17.6	2.4	0.0	51.2	53.6
Saudi Arabia	615	33.0	33.0	21.2	22.2	21.0	1.8	0.8	32.2	33.7
Serbia	590	43.7	43.7	16.2	14.3	22.3	3.0	0.7	45.0	42.4
Singapore	939	49.6	49.6	5.6	13.9	30.6	0.2	0.0	49.2	50.0
Slovak Republic	818	61.8	61.8	7.6	13.3	14.1	2.5	0.7	61.5	62.0
Slovenia	628	52.6	52.6	9.3	17.1	17.7	2.5	0.8	53.6	51.9
Spain	1108	50.0	50.0	11.3	15.7	20.4	1.9	0.8	50.0	49.9
Sweden	588	57.5	57.5	10.3	9.8	19.5	2.3	0.6	59.5	55.3
Turkey	925	42.5	42.5	15.5	10.3	30.9	0.8	0.0	42.7	42.3
United Arab Emirates	3039	38.2	38.2	16.1	18.0	25.0	2.5	0.2	37.5	38.8
United States	1448	51.8	51.8	9.0	16.7	20.6	1.7	0.1	50.6	53.2
International Avg (n=47)	36222	47.1	47.1	11.7	16.7	21.8	2.1	0.6	46.5	47.7
Buenos Aires, Argentina	408	24.1	24.1	17.1	12.5	25.2	18.4	2.6	24.6	23.7
Ontario, Canada	651	53.1	53.1	9.9	15.6	19.4	1.3	0.7	51.9	54.5
Quebec, Canada	403	45.0	45.0	8.7	25.0	20.7	0.5	0.1	43.7	46.1
Norway (4)	599	36.4	36.4	15.9	22.8	19.8	3.6	1.5	35.4	37.4
Abu Dhabi, UAE	716	34.6	34.6	18.8	17.2	26.3	2.8	0.2	33.3	35.8
Dubai, UAE	1069	44.1	44.1	13.0	17.2	23.5	2.4	0.0	41.4	46.4
Florida, US	288	50.9	50.9	9.3	17.2	20.7	1.6	0.2	47.1	54.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S01_05 (S041186): Physical Science / Applying Type: CR 1 Point
Label: Freezing point of water

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	17.7	79.2	17.7	2.6	0.5	15.0	20.9
Bahrain	598	11.4	79.3	11.4	8.8	0.4	11.4	11.4
Belgium (Flemish)	766	38.4	57.5	38.4	3.5	0.6	34.2	42.8
Bulgaria	601	56.5	36.6	56.5	6.7	0.3	55.7	57.1
Canada	1741	30.5	65.8	30.5	2.9	0.8	28.1	32.8
Chile	673	5.9	75.4	5.9	17.1	1.7	5.3	6.4
Chinese Taipei	613	17.4	78.9	17.4	3.7	0.0	17.7	17.1
Croatia	571	62.5	32.9	62.5	3.8	0.7	60.8	64.0
Cyprus	589	17.1	74.3	17.1	7.3	1.4	16.1	18.1
Czech Republic	750	46.0	49.7	46.0	4.2	0.1	42.5	49.1
Denmark	526	36.8	57.5	36.8	3.8	1.9	33.8	39.8
England	569	33.9	63.5	33.9	2.4	0.2	29.7	38.9
Finland	716	38.2	58.9	38.2	2.2	0.7	34.8	41.4
France	688	17.6	68.6	17.6	12.5	1.3	13.8	20.7
Georgia	554	16.7	58.4	16.7	21.6	3.3	17.7	15.8
Germany	556	39.9	54.2	39.9	5.5	0.3	36.4	43.7
Hong Kong SAR	517	27.4	71.7	27.4	0.9	0.0	22.0	32.3
Hungary	715	37.6	59.4	37.6	1.8	1.2	35.2	40.1
Indonesia	577	3.6	78.1	3.6	17.9	0.5	1.9	5.0
Iran, Islamic Rep. of	543	8.6	70.3	8.6	17.9	3.1	6.8	10.5
Ireland	623	19.5	77.2	19.5	3.2	0.1	18.1	20.9
Italy	624	15.4	71.9	15.4	12.5	0.3	12.9	17.8
Japan	621	82.9	16.2	82.9	0.9	0.0	84.0	81.8
Kazakhstan	668	52.5	40.9	52.5	6.4	0.3	50.7	54.2
Korea, Rep. of	664	21.6	77.5	21.6	0.9	0.0	19.9	23.1
Kuwait	493	19.7	48.5	19.7	28.9	2.8	22.6	17.1
Lithuania	649	11.8	83.1	11.8	5.0	0.1	8.5	15.2
Morocco	729	6.4	64.2	6.4	27.4	2.0	7.5	5.3
Netherlands	651	25.0	71.7	25.0	3.1	0.2	26.3	23.6
New Zealand	904	17.8	79.3	17.8	2.8	0.1	14.3	21.4
Northern Ireland	452	30.9	67.9	30.9	1.2	0.0	29.9	31.9
Norway	621	42.6	55.0	42.6	2.0	0.4	37.1	48.4
Oman	1310	25.3	57.6	25.3	16.3	0.8	26.3	24.4
Poland	669	35.0	60.3	35.0	4.3	0.4	28.7	41.2
Portugal	685	18.3	77.4	18.3	4.0	0.3	17.3	19.2
Qatar	728	17.2	73.1	17.2	9.1	0.7	14.4	20.0
Russian Federation	705	31.4	65.2	31.4	3.2	0.2	27.3	35.2
Saudi Arabia	618	18.7	56.1	18.7	24.1	1.1	17.4	20.0
Serbia	590	19.6	69.6	19.6	9.9	0.8	15.9	23.0
Singapore	939	50.6	49.1	50.6	0.3	0.0	50.9	50.3
Slovak Republic	818	24.2	70.0	24.2	5.0	0.8	21.5	26.6
Slovenia	628	30.6	62.7	30.6	5.4	1.3	20.1	39.0
Spain	1108	11.9	82.0	11.9	5.2	0.9	12.6	11.3
Sweden	588	50.5	44.7	50.5	4.0	0.8	47.5	53.4
Turkey	925	13.3	78.4	13.3	8.3	0.0	14.1	12.5
United Arab Emirates	3039	24.6	62.8	24.6	12.4	0.3	23.1	25.9
United States	1448	19.1	78.3	19.1	2.0	0.5	18.5	19.8
International Avg (n=47)	36235	27.7	64.1	27.7	7.5	0.7	25.7	29.6
Buenos Aires, Argentina	407	4.6	54.4	4.6	37.2	3.8	4.6	4.7
Ontario, Canada	651	34.7	61.2	34.7	3.3	0.8	30.6	38.7
Quebec, Canada	403	30.6	67.4	30.6	2.0	0.1	31.7	29.7
Norway (4)	599	29.7	62.8	29.7	5.3	2.3	22.8	37.0
Abu Dhabi, UAE	716	13.7	68.8	13.7	17.1	0.4	14.2	13.3
Dubai, UAE	1069	34.3	61.3	34.3	4.4	0.0	30.6	37.5
Florida, US	288	19.0	79.4	19.0	1.4	0.2	14.6	22.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S01_06 (S041037): Life Science / Reasoning Type: CR 2 Points
Label: Pos. or neg. effect of activity

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	49.1	24.1	23.7	73.2	49.1	2.6	0.5	53.1	44.3
Bahrain	598	20.2	22.2	52.3	42.4	20.2	4.5	0.8	19.5	20.9
Belgium (Flemish)	766	42.5	33.7	21.6	76.2	42.5	1.7	0.6	41.1	43.9
Bulgaria	601	52.4	21.2	16.5	73.6	52.4	9.6	0.3	55.2	49.9
Canada	1741	61.5	20.9	14.5	82.4	61.5	2.1	1.0	64.6	59.2
Chile	673	43.6	27.2	21.6	70.8	43.6	5.4	2.2	41.9	45.1
Chinese Taipei	613	55.4	27.4	16.7	82.8	55.4	0.5	0.0	56.6	54.3
Croatia	571	52.5	35.3	10.1	87.8	52.5	1.4	0.7	55.8	49.8
Cyprus	589	32.6	24.2	35.5	56.8	32.6	6.1	1.6	34.7	30.3
Czech Republic	750	45.5	25.0	25.0	70.5	45.5	4.4	0.1	41.6	49.1
Denmark	526	37.5	29.9	27.4	67.4	37.5	3.1	2.1	38.6	36.5
England	569	52.1	27.6	19.6	79.7	52.1	0.5	0.2	53.4	50.5
Finland	716	53.5	23.3	20.2	76.8	53.5	2.3	0.8	53.1	53.9
France	688	47.5	26.0	21.4	73.5	47.5	3.6	1.5	46.9	47.9
Georgia	554	19.5	28.8	34.8	48.3	19.5	13.0	3.9	21.0	18.2
Germany	556	41.3	27.1	28.2	68.4	41.3	2.8	0.5	40.7	42.1
Hong Kong SAR	517	50.1	28.6	20.6	78.7	50.1	0.8	0.0	52.7	47.7
Hungary	715	52.3	22.7	20.7	75.0	52.3	2.9	1.4	50.3	54.4
Indonesia	576	26.0	21.6	46.6	47.5	26.0	5.0	0.8	27.9	24.3
Iran, Islamic Rep. of	543	36.6	20.8	34.0	57.4	36.6	5.5	3.2	42.5	30.7
Ireland	623	47.2	24.8	25.7	71.9	47.2	2.1	0.2	50.9	43.6
Italy	624	40.9	34.2	21.4	75.0	40.9	2.9	0.6	42.1	39.7
Japan	621	53.2	31.9	14.9	85.1	53.2	0.0	0.0	53.5	52.8
Kazakhstan	668	40.2	32.5	23.5	72.7	40.2	3.5	0.3	40.1	40.3
Korea, Rep. of	664	77.0	17.4	5.2	94.4	77.0	0.4	0.0	73.4	80.5
Kuwait	493	12.2	15.2	49.6	27.5	12.2	19.8	3.2	15.6	9.0
Lithuania	649	36.9	31.4	29.3	68.3	36.9	2.2	0.2	38.3	35.4
Morocco	727	9.3	19.0	64.4	28.3	9.3	4.5	2.8	12.2	6.5
Netherlands	651	48.7	29.1	20.0	77.8	48.7	2.0	0.2	48.9	48.5
New Zealand	904	48.5	24.4	21.9	72.9	48.5	5.0	0.2	50.3	46.6
Northern Ireland	452	55.7	23.4	20.4	79.1	55.7	0.5	0.0	57.6	53.9
Norway	621	46.4	30.3	22.4	76.7	46.4	0.5	0.4	50.3	42.3
Oman	1289	15.3	20.8	56.7	36.1	15.3	6.2	1.0	18.3	12.9
Poland	669	45.5	30.4	20.6	75.8	45.5	3.1	0.4	42.6	48.3
Portugal	685	47.6	28.8	21.9	76.4	47.6	1.3	0.4	49.7	45.7
Qatar	728	23.1	25.1	44.8	48.2	23.1	5.7	1.4	24.0	22.1
Russian Federation	705	61.8	19.1	16.2	80.9	61.8	2.7	0.2	65.9	58.0
Saudi Arabia	618	7.3	13.0	65.4	20.3	7.3	13.2	1.1	7.3	7.3
Serbia	590	47.7	27.8	14.4	75.4	47.7	9.2	1.0	46.5	48.7
Singapore	939	46.2	27.0	26.6	73.2	46.2	0.2	0.0	46.0	46.4
Slovak Republic	818	44.6	25.1	23.2	69.7	44.6	6.1	1.1	42.1	46.7
Slovenia	628	44.3	35.2	16.6	79.6	44.3	2.5	1.3	45.7	43.3
Spain	1108	61.0	21.3	15.0	82.3	61.0	1.2	1.5	56.3	65.4
Sweden	588	67.6	21.1	8.8	88.8	67.6	1.3	1.1	70.1	65.1
Turkey	925	39.1	28.8	30.9	68.0	39.1	1.1	0.0	43.0	35.4
United Arab Emirates	3039	28.1	21.7	45.2	49.8	28.1	4.6	0.4	27.6	28.6
United States	1448	58.3	18.2	20.0	76.5	58.3	2.9	0.6	58.7	57.9
International Avg (n=47)	36211	43.1	25.4	26.7	68.5	43.1	3.9	0.9	44.0	42.2
Buenos Aires, Argentina	408	37.1	22.9	17.7	59.9	37.1	18.0	4.4	39.1	35.1
Ontario, Canada	651	59.1	21.6	16.1	80.7	59.1	2.1	1.2	64.3	54.2
Quebec, Canada	403	70.1	20.8	8.9	90.9	70.1	0.2	0.1	70.0	70.1
Norway (4)	599	34.0	33.3	26.6	67.3	34.0	2.9	3.2	35.2	32.7
Abu Dhabi, UAE	716	23.0	18.7	52.3	41.7	23.0	5.4	0.6	23.6	22.5
Dubai, UAE	1069	44.0	22.4	31.5	66.4	44.0	2.1	0.0	42.4	45.4
Florida, US	288	61.3	19.3	18.4	80.6	61.3	0.7	0.2	60.2	62.3

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S01_07 (S041119): Physical Science / Applying Type: MC Key: C
Label: Direction of gravity

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	77.5	13.3	2.3	77.5	3.5	2.6	0.8	77.2	77.9
Bahrain	598	68.4	10.6	6.2	68.4	9.7	3.5	1.6	75.4	61.4
Belgium (Flemish)	766	69.5	22.8	3.0	69.5	2.0	2.1	0.6	66.8	72.2
Bulgaria	601	85.1	6.5	1.5	85.1	4.2	1.8	0.9	84.5	85.7
Canada	1739	76.8	14.3	1.9	76.8	3.2	2.5	1.2	73.2	80.0
Chile	673	67.0	13.8	5.7	67.0	7.9	2.4	3.2	64.9	68.7
Chinese Taipei	613	88.4	8.1	1.5	88.4	2.0	0.0	0.0	87.3	89.4
Croatia	571	57.1	22.2	10.9	57.1	4.6	4.5	0.7	51.2	62.1
Cyprus	589	74.7	9.4	5.1	74.7	5.7	2.5	2.6	77.6	71.7
Czech Republic	750	72.1	19.6	2.3	72.1	2.8	2.7	0.5	67.3	76.5
Denmark	526	71.9	18.6	2.1	71.9	1.5	3.6	2.3	69.7	74.2
England	569	82.0	10.3	1.8	82.0	3.9	1.8	0.2	79.5	85.0
Finland	716	81.0	8.8	5.6	81.0	0.9	2.9	0.8	79.6	82.4
France	688	67.0	15.9	5.9	67.0	4.6	4.6	2.1	64.9	68.7
Georgia	554	41.3	27.7	9.7	41.3	11.2	5.4	4.6	40.9	41.7
Germany	556	77.2	10.7	4.0	77.2	2.4	5.2	0.5	75.8	78.5
Hong Kong SAR	517	87.3	8.6	1.2	87.3	2.0	0.9	0.0	85.1	89.2
Hungary	715	63.9	22.0	6.8	63.9	2.2	2.7	2.4	63.5	64.3
Indonesia	576	56.4	26.3	6.8	56.4	6.9	2.7	0.8	57.6	55.4
Iran, Islamic Rep. of	543	77.5	8.6	2.4	77.5	4.6	3.6	3.3	79.2	75.8
Ireland	623	68.9	22.3	3.2	68.9	3.8	1.0	0.9	64.0	73.5
Italy	624	71.1	18.1	4.1	71.1	2.7	3.3	0.6	67.8	74.4
Japan	621	69.6	16.2	9.8	69.6	3.3	1.1	0.0	64.4	75.0
Kazakhstan	668	87.2	3.3	5.3	87.2	3.5	0.5	0.3	86.9	87.5
Korea, Rep. of	664	82.5	13.2	2.3	82.5	1.4	0.5	0.1	80.1	84.8
Kuwait	493	49.4	13.9	7.3	49.4	17.8	8.3	3.3	53.4	44.6
Lithuania	649	90.0	4.2	1.8	90.0	2.4	1.4	0.2	89.8	90.3
Morocco	727	64.3	9.0	7.6	64.3	11.4	4.8	2.9	67.0	61.6
Netherlands	650	64.4	26.0	4.1	64.4	2.3	2.2	1.0	56.4	72.8
New Zealand	904	63.9	22.7	3.5	63.9	4.3	5.2	0.5	59.5	68.3
Northern Ireland	447	67.1	25.4	3.9	67.1	3.6	0.0	0.0	67.7	66.5
Norway	621	71.8	20.9	2.5	71.8	2.4	2.0	0.4	68.3	75.5
Oman	1307	68.7	9.7	5.8	68.7	12.5	2.4	0.9	71.6	66.2
Poland	669	78.7	8.2	7.3	78.7	4.2	1.1	0.4	78.0	79.4
Portugal	685	63.0	24.9	6.2	63.0	3.1	2.0	0.7	57.9	67.8
Qatar	728	60.8	17.6	6.4	60.8	9.8	3.6	1.9	64.5	57.0
Russian Federation	705	94.7	2.5	1.1	94.7	1.1	0.4	0.2	94.0	95.5
Saudi Arabia	617	66.6	5.8	5.7	66.6	16.9	3.6	1.3	70.1	63.3
Serbia	590	88.1	3.6	1.4	88.1	2.3	3.1	1.6	85.6	90.3
Singapore	939	75.6	16.1	4.2	75.6	3.2	0.8	0.0	73.7	77.2
Slovak Republic	818	84.2	10.5	1.2	84.2	1.6	1.3	1.2	82.1	86.0
Slovenia	628	86.8	3.9	0.9	86.8	4.4	2.5	1.5	86.5	86.9
Spain	1108	75.0	16.7	1.8	75.0	2.4	2.2	1.9	74.4	75.4
Sweden	588	63.6	16.9	7.3	63.6	5.5	5.3	1.4	61.1	66.0
Turkey	925	66.6	22.6	5.5	66.6	4.0	1.0	0.3	67.0	66.2
United Arab Emirates	3039	67.2	14.4	5.7	67.2	9.3	2.8	0.7	68.1	66.3
United States	1448	71.2	17.7	2.8	71.2	4.6	2.8	0.9	66.6	76.1
International Avg (n=47)	36220	72.4	14.6	4.4	72.4	4.9	2.6	1.2	71.2	73.5
Buenos Aires, Argentina	408	58.7	14.3	2.4	58.7	3.3	15.9	5.5	52.6	64.5
Ontario, Canada	651	80.5	11.4	1.5	80.5	2.7	2.6	1.3	78.2	82.8
Quebec, Canada	403	72.5	18.2	3.0	72.5	4.6	1.7	0.1	61.5	81.1
Norway (4)	599	60.5	23.6	5.9	60.5	3.0	3.7	3.4	59.8	61.2
Abu Dhabi, UAE	716	62.9	14.8	7.0	62.9	10.7	3.5	1.2	64.9	60.9
Dubai, UAE	1069	72.7	13.7	5.0	72.7	6.0	2.4	0.1	69.1	75.8
Florida, US	288	78.3	14.9	0.7	78.3	4.4	0.8	1.0	78.5	78.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S01_08 (S041105): Earth Science / Knowing Type: MC Key: D
Label: Evidence for existence of animals

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	68.0	6.4	12.1	7.6	68.0	4.7	1.3	66.2	70.0
Bahrain	598	42.5	18.2	15.6	19.4	42.5	2.5	1.9	47.4	37.5
Belgium (Flemish)	766	60.3	6.6	13.3	16.6	60.3	2.3	0.9	56.8	63.9
Bulgaria	601	62.2	6.5	19.5	8.4	62.2	2.6	0.9	64.0	60.5
Canada	1737	74.2	9.0	7.1	6.9	74.2	1.3	1.5	74.6	74.4
Chile	673	41.7	14.9	19.3	17.8	41.7	2.9	3.4	36.5	46.0
Chinese Taipei	613	82.9	3.6	9.9	3.4	82.9	0.2	0.0	81.9	83.7
Croatia	571	77.6	2.8	10.9	5.7	77.6	2.3	0.7	78.6	76.8
Cyprus	589	28.6	10.7	28.8	26.0	28.6	2.8	3.1	27.9	29.4
Czech Republic	750	77.2	3.9	13.1	3.4	77.2	1.6	0.8	75.2	78.9
Denmark	526	66.5	7.5	6.5	13.5	66.5	3.2	2.6	62.3	70.7
England	569	75.6	7.7	10.5	5.1	75.6	0.8	0.3	73.3	78.2
Finland	716	74.9	2.1	13.7	5.1	74.9	3.1	1.0	72.2	77.5
France	688	59.1	9.3	17.3	6.5	59.1	5.1	2.6	55.3	62.2
Georgia	554	48.2	9.2	19.6	12.9	48.2	5.1	5.0	46.6	49.6
Germany	556	68.9	5.7	11.5	7.7	68.9	5.2	1.0	68.2	69.5
Hong Kong SAR	517	85.8	3.0	5.9	4.8	85.8	0.6	0.0	85.2	86.4
Hungary	715	72.0	4.6	11.7	4.7	72.0	4.2	2.9	70.9	73.1
Indonesia	576	36.7	21.6	22.3	16.4	36.7	1.8	1.3	35.7	37.6
Iran, Islamic Rep. of	544	34.0	12.6	34.9	11.3	34.0	3.3	3.8	37.7	30.4
Ireland	623	71.1	8.0	13.7	5.9	71.1	0.2	1.0	65.4	76.6
Italy	624	58.3	4.9	15.3	17.6	58.3	3.3	0.6	56.3	60.3
Japan	621	65.7	6.4	17.6	9.7	65.7	0.6	0.0	60.9	70.5
Kazakhstan	668	54.5	5.8	31.5	7.3	54.5	0.4	0.4	51.4	57.6
Korea, Rep. of	664	66.5	5.2	18.0	9.9	66.5	0.2	0.3	63.7	69.1
Kuwait	492	29.3	15.4	20.1	20.5	29.3	11.2	3.5	29.0	30.1
Lithuania	649	56.4	7.7	25.3	6.5	56.4	3.6	0.5	57.0	55.7
Morocco	729	29.4	16.9	21.8	25.3	29.4	3.2	3.5	29.7	29.0
Netherlands	650	66.1	3.3	8.7	17.7	66.1	2.9	1.3	58.7	74.0
New Zealand	902	68.3	11.1	10.8	5.0	68.3	4.2	0.6	68.2	68.4
Northern Ireland	450	76.0	7.7	10.6	5.3	76.0	0.4	0.0	75.4	76.5
Norway	621	87.3	2.8	6.9	2.7	87.3	0.0	0.4	85.3	89.3
Oman	1309	48.5	15.2	16.2	15.6	48.5	3.4	1.0	48.0	49.0
Poland	668	72.2	5.6	15.9	4.2	72.2	1.7	0.4	72.3	72.0
Portugal	685	45.1	6.4	27.1	17.5	45.1	2.8	1.0	45.3	44.9
Qatar	728	49.5	13.8	15.5	15.8	49.5	3.1	2.3	49.9	49.2
Russian Federation	705	72.4	2.9	17.1	3.0	72.4	4.4	0.3	66.3	78.0
Saudi Arabia	617	38.4	20.2	17.4	18.9	38.4	3.7	1.3	43.7	33.4
Serbia	590	74.7	2.7	11.1	7.7	74.7	2.1	1.8	68.2	80.5
Singapore	939	74.2	5.6	10.7	9.3	74.2	0.2	0.1	73.0	75.2
Slovak Republic	818	59.5	9.6	18.9	8.0	59.5	2.7	1.3	56.3	62.2
Slovenia	628	70.8	4.8	11.4	7.8	70.8	3.0	2.2	70.0	71.4
Spain	1108	59.0	7.5	15.5	12.5	59.0	3.3	2.2	57.3	60.6
Sweden	588	65.9	8.0	13.3	8.7	65.9	2.7	1.4	63.1	68.5
Turkey	925	53.0	11.8	20.5	12.7	53.0	1.2	0.7	52.0	54.1
United Arab Emirates	3039	52.1	14.9	14.3	15.9	52.1	2.1	0.8	52.2	51.9
United States	1448	75.8	7.6	7.1	6.9	75.8	1.7	0.9	74.6	77.2
International Avg (n=47)	36222	61.2	8.5	15.7	10.7	61.2	2.6	1.4	59.8	62.6
Buenos Aires, Argentina	408	41.5	11.2	12.6	13.1	41.5	14.7	6.9	39.6	43.3
Ontario, Canada	650	73.2	10.8	6.6	6.6	73.2	1.3	1.5	72.6	74.0
Quebec, Canada	403	77.7	5.1	8.0	8.3	77.7	0.5	0.4	77.0	78.2
Norway (4)	599	74.6	7.4	7.2	4.1	74.6	2.6	4.1	74.2	75.0
Abu Dhabi, UAE	716	45.3	18.6	18.0	14.3	45.3	2.6	1.4	45.7	44.9
Dubai, UAE	1069	65.2	10.6	10.8	11.8	65.2	1.5	0.1	65.6	64.8
Florida, US	288	79.2	5.1	7.7	5.5	79.2	1.5	1.0	77.7	80.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S01_10A (S041149A): Earth Science / Reasoning Type: CR 1 Point
Label: Why water does not go into glass

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	19.1	73.4	19.1	6.2	1.3	15.6	23.2
Bahrain	597	6.7	80.5	6.7	10.5	2.4	6.8	6.7
Belgium (Flemish)	766	19.3	71.5	19.3	8.0	1.3	15.6	23.1
Bulgaria	601	34.4	45.2	34.4	19.6	0.9	36.3	32.7
Canada	1741	17.8	73.3	17.8	7.3	1.6	16.6	18.9
Chile	673	5.7	70.0	5.7	20.3	3.9	6.1	5.4
Chinese Taipei	613	57.9	35.8	57.9	6.3	0.0	51.6	63.4
Croatia	571	36.3	54.9	36.3	7.8	1.0	38.6	34.3
Cyprus	589	15.6	67.5	15.6	13.0	3.9	15.1	16.1
Czech Republic	750	28.6	56.0	28.6	14.2	1.1	23.1	33.8
Denmark	526	18.9	64.7	18.9	12.6	3.7	16.0	21.7
England	569	13.6	81.1	13.6	4.9	0.5	11.9	15.5
Finland	716	36.6	54.1	36.6	8.2	1.1	40.3	33.1
France	688	15.9	67.3	15.9	13.8	3.0	11.0	19.8
Georgia	554	10.3	59.7	10.3	24.7	5.2	12.8	8.1
Germany	556	34.9	49.8	34.9	13.9	1.3	33.5	36.5
Hong Kong SAR	517	45.2	48.4	45.2	6.4	0.0	43.1	47.0
Hungary	715	25.6	63.2	25.6	7.4	3.8	23.8	27.4
Indonesia	577	6.4	74.7	6.4	17.6	1.3	3.4	9.0
Iran, Islamic Rep. of	544	4.0	74.3	4.0	16.5	5.2	3.4	4.6
Ireland	623	13.5	80.7	13.5	4.3	1.5	11.4	15.6
Italy	622	27.0	54.0	27.0	17.6	1.4	22.8	31.1
Japan	621	63.6	34.0	63.6	2.3	0.1	59.4	67.9
Kazakhstan	668	48.7	41.3	48.7	9.4	0.6	51.7	45.9
Korea, Rep. of	664	49.6	47.5	49.6	2.7	0.3	49.5	49.6
Kuwait	493	3.4	50.4	3.4	41.7	4.5	3.8	3.0
Lithuania	649	21.9	66.2	21.9	11.4	0.5	19.9	24.0
Morocco	729	18.0	60.0	18.0	18.4	3.7	21.5	14.7
Netherlands	651	13.9	76.3	13.9	7.8	1.9	9.6	18.4
New Zealand	902	16.4	75.2	16.4	7.6	0.8	14.4	18.5
Northern Ireland	452	11.0	81.1	11.0	7.9	0.0	9.4	12.4
Norway	621	19.4	72.1	19.4	8.0	0.4	17.7	21.3
Oman	1307	11.4	67.6	11.4	19.6	1.3	14.2	9.2
Poland	668	23.2	62.0	23.2	14.3	0.5	19.9	26.3
Portugal	685	10.2	79.2	10.2	9.0	1.5	9.0	11.4
Qatar	728	11.4	72.1	11.4	13.5	3.0	10.1	12.8
Russian Federation	705	46.4	46.3	46.4	6.8	0.5	44.4	48.2
Saudi Arabia	618	9.5	65.7	9.5	22.1	2.7	11.4	7.8
Serbia	590	29.4	56.6	29.4	11.4	2.6	24.7	33.6
Singapore	939	83.5	15.1	83.5	1.3	0.1	85.1	82.1
Slovak Republic	818	19.9	64.5	19.9	14.2	1.4	17.0	22.5
Slovenia	628	27.3	59.4	27.3	10.4	2.9	20.1	33.0
Spain	1108	12.7	77.2	12.7	7.0	3.1	13.5	12.0
Sweden	588	38.2	51.3	38.2	9.0	1.4	39.1	37.2
Turkey	925	26.2	64.3	26.2	8.9	0.7	25.8	26.5
United Arab Emirates	3037	13.5	69.5	13.5	15.8	1.1	14.1	13.0
United States	1448	16.7	75.9	16.7	6.3	1.1	15.4	18.2
International Avg (n=47)	36225	24.2	62.4	24.2	11.7	1.7	23.0	25.5
Buenos Aires, Argentina	408	6.4	44.6	6.4	40.1	8.8	6.9	6.0
Ontario, Canada	651	14.1	77.9	14.1	6.4	1.6	13.8	14.4
Quebec, Canada	403	22.4	69.5	22.4	7.6	0.4	18.2	25.8
Norway (4)	599	10.4	69.7	10.4	13.9	6.1	8.2	12.7
Abu Dhabi, UAE	716	8.7	72.9	8.7	16.4	1.9	8.3	9.1
Dubai, UAE	1069	22.7	68.3	22.7	8.8	0.2	24.1	21.5
Florida, US	288	16.3	78.3	16.3	3.8	1.6	18.4	14.5

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S01_10B (S041149B): Earth Science / Reasoning Type: CR 1 Point
Label: Tipping caused cotton to get wet

COUNTRY	N	10 %	11 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	9.0	7.5	74.8	16.5	7.4	1.3	13.2	20.4
Bahrain	597	4.7	1.8	79.1	6.6	12.0	2.4	6.8	6.4
Belgium (Flemish)	766	10.1	6.8	72.9	16.9	9.0	1.3	13.6	20.3
Bulgaria	601	13.9	14.3	47.7	28.2	23.3	0.9	31.7	24.9
Canada	1741	9.1	9.0	71.2	18.1	9.1	1.6	18.2	18.2
Chile	673	3.9	2.3	70.4	6.2	19.5	3.9	6.2	6.1
Chinese Taipei	613	18.6	20.6	54.1	39.2	6.7	0.0	37.2	40.9
Croatia	571	22.8	11.4	54.7	34.2	10.0	1.0	35.3	33.4
Cyprus	589	5.7	6.3	68.3	12.0	15.9	3.9	12.5	11.4
Czech Republic	750	15.6	12.3	56.0	27.9	15.0	1.1	22.5	32.9
Denmark	526	19.2	1.1	64.1	20.3	11.9	3.7	18.5	22.1
England	569	6.8	4.4	82.0	11.2	6.4	0.5	10.4	12.2
Finland	716	16.2	18.7	53.4	34.9	10.6	1.1	40.2	29.9
France	688	4.4	9.6	65.7	14.0	17.3	3.0	9.5	17.6
Georgia	554	4.9	3.5	58.7	8.3	27.7	5.2	8.6	8.1
Germany	556	16.1	13.0	53.5	29.2	16.0	1.3	27.6	30.9
Hong Kong SAR	517	21.2	17.9	54.6	39.1	6.3	0.0	36.9	41.0
Hungary	715	15.8	10.3	61.4	26.1	8.7	3.8	25.1	27.1
Indonesia	577	4.3	1.3	77.4	5.5	15.9	1.3	4.6	6.3
Iran, Islamic Rep. of	544	2.6	0.8	72.1	3.4	19.3	5.2	3.6	3.2
Ireland	623	8.9	3.0	79.7	11.9	7.0	1.5	10.0	13.7
Italy	622	13.4	8.0	57.0	21.4	20.2	1.4	18.6	24.1
Japan	621	31.6	29.0	37.2	60.5	2.1	0.1	57.1	64.1
Kazakhstan	668	37.2	5.3	43.6	42.6	13.2	0.6	43.1	42.1
Korea, Rep. of	664	23.8	18.6	52.8	42.5	4.5	0.3	42.2	42.7
Kuwait	493	0.9	1.9	49.5	2.7	43.3	4.5	2.5	2.9
Lithuania	649	7.2	11.7	67.0	18.9	13.6	0.5	17.0	20.9
Morocco	728	12.9	2.9	56.8	15.8	23.7	3.7	19.6	12.2
Netherlands	651	8.2	6.5	75.8	14.8	7.4	1.9	12.7	17.0
New Zealand	902	9.9	5.8	73.8	15.6	9.8	0.8	13.9	17.4
Northern Ireland	452	6.5	5.1	82.1	11.6	6.2	0.0	8.9	14.1
Norway	621	10.6	9.1	71.9	19.7	7.9	0.4	17.4	22.2
Oman	1302	4.7	4.2	71.4	8.9	18.4	1.3	10.2	7.8
Poland	668	11.8	10.8	60.4	22.6	16.5	0.5	20.2	24.9
Portugal	685	6.2	3.9	77.3	10.1	11.1	1.5	8.9	11.2
Qatar	728	7.3	3.1	71.9	10.4	14.7	3.0	11.6	9.3
Russian Federation	705	21.5	21.4	47.5	43.0	9.0	0.5	41.9	43.9
Saudi Arabia	618	7.5	1.9	61.6	9.4	26.2	2.7	11.5	7.4
Serbia	590	14.1	8.6	59.8	22.7	14.9	2.6	21.0	24.2
Singapore	939	56.3	21.4	20.7	77.7	1.5	0.1	79.7	76.0
Slovak Republic	818	6.9	14.1	61.3	21.0	16.3	1.4	19.0	22.7
Slovenia	628	15.4	12.3	58.7	27.7	10.7	2.9	21.7	32.4
Spain	1108	8.1	4.4	75.4	12.5	9.0	3.1	12.8	12.1
Sweden	588	21.0	13.7	55.2	34.7	8.7	1.4	33.5	35.6
Turkey	925	11.1	11.3	67.7	22.4	9.3	0.7	22.8	22.0
United Arab Emirates	3039	5.8	4.9	69.4	10.7	18.9	1.1	9.8	11.4
United States	1448	9.0	7.0	77.3	16.0	5.7	1.1	14.1	18.0
International Avg (n=47)	36221	12.8	9.0	63.3	21.8	13.1	1.7	20.9	22.7
Buenos Aires, Argentina	408	5.7	2.6	41.1	8.4	41.8	8.8	8.8	8.0
Ontario, Canada	651	8.7	6.7	74.4	15.4	8.5	1.6	16.3	14.6
Quebec, Canada	403	8.6	13.4	67.8	22.0	9.8	0.4	20.2	23.4
Norway (4)	599	4.8	5.5	69.7	10.3	13.9	6.1	7.9	12.8
Abu Dhabi, UAE	716	3.8	4.4	68.7	8.2	21.1	1.9	7.8	8.6
Dubai, UAE	1069	10.3	6.4	72.5	16.6	10.6	0.2	16.0	17.1
Florida, US	288	11.2	5.5	78.6	16.6	3.2	1.6	15.8	17.4

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S01_10Z (S041149Z): Earth Science / Reasoning Type: CR 2 Points
Label: Water glass cotton get wet (DERIVED)

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	876	12.5	10.5	70.4	23.0	12.5	5.0	1.6	9.9	15.5
Bahrain	598	3.8	5.7	78.9	9.5	3.8	9.2	2.4	3.2	4.4
Belgium (Flemish)	766	15.0	6.1	71.5	21.1	15.0	6.1	1.3	12.2	18.0
Bulgaria	601	25.1	12.4	44.4	37.5	25.1	17.3	0.9	27.9	22.6
Canada	1743	12.7	10.4	69.9	23.1	12.7	5.3	1.7	12.7	12.9
Chile	674	4.3	3.3	71.3	7.6	4.3	17.0	4.1	3.9	4.5
Chinese Taipei	614	37.4	22.2	36.1	59.5	37.4	4.2	0.2	35.5	39.0
Croatia	571	30.6	9.3	52.7	39.9	30.6	6.4	1.0	32.8	28.8
Cyprus	589	10.0	7.5	67.7	17.5	10.0	10.9	3.9	9.7	10.3
Czech Republic	750	22.5	11.5	54.8	34.0	22.5	10.0	1.1	17.6	27.1
Denmark	528	14.3	10.4	61.5	24.7	14.3	9.8	4.0	12.1	16.6
England	569	9.6	5.7	80.8	15.2	9.6	3.6	0.5	9.0	10.2
Finland	718	28.8	13.7	48.7	42.5	28.8	7.5	1.3	32.6	25.3
France	689	10.4	9.1	65.6	19.5	10.4	11.8	3.0	5.7	14.2
Georgia	555	6.7	5.3	61.1	12.0	6.7	21.6	5.4	7.1	6.4
Germany	556	24.6	14.8	48.1	39.5	24.6	11.1	1.3	22.3	27.2
Hong Kong SAR	517	36.9	10.5	48.3	47.4	36.9	4.3	0.0	35.9	37.7
Hungary	715	20.2	11.3	58.3	31.5	20.2	6.4	3.8	18.1	22.3
Indonesia	577	3.7	4.6	78.6	8.3	3.7	11.9	1.3	2.1	5.0
Iran, Islamic Rep. of	544	2.3	2.8	75.6	5.1	2.3	14.1	5.2	3.3	1.3
Ireland	623	9.3	6.9	79.4	16.2	9.3	3.0	1.5	7.0	11.5
Italy	622	18.2	11.9	53.6	30.1	18.2	14.9	1.4	15.6	20.8
Japan	621	55.3	13.6	29.3	68.8	55.3	1.8	0.1	52.2	58.5
Kazakhstan	668	37.2	16.8	38.8	54.1	37.2	6.5	0.6	36.7	37.8
Korea, Rep. of	664	39.4	13.3	44.8	52.6	39.4	2.3	0.3	38.7	40.0
Kuwait	493	0.7	4.7	51.2	5.4	0.7	38.9	4.5	0.6	0.8
Lithuania	649	17.0	6.8	66.2	23.8	17.0	9.5	0.5	14.9	19.2
Morocco	729	13.5	6.9	59.4	20.4	13.5	16.5	3.8	15.7	11.3
Netherlands	651	11.0	6.7	75.5	17.7	11.0	4.8	1.9	7.4	14.7
New Zealand	903	12.1	7.8	73.2	19.9	12.1	5.9	0.9	10.7	13.6
Northern Ireland	452	8.9	4.8	81.8	13.7	8.9	4.5	0.0	7.1	10.5
Norway	621	14.7	9.8	69.7	24.5	14.7	5.4	0.4	12.9	16.6
Oman	1299	5.3	9.6	69.1	14.9	5.3	14.6	1.3	6.1	4.7
Poland	668	19.5	6.8	59.9	26.3	19.5	13.2	0.5	17.2	21.7
Portugal	685	8.3	3.8	79.4	12.1	8.3	7.0	1.5	7.8	8.7
Qatar	728	6.4	9.0	70.2	15.4	6.4	11.4	3.0	5.4	7.4
Russian Federation	705	38.2	12.9	42.6	51.1	38.2	5.7	0.5	36.9	39.4
Saudi Arabia	618	6.1	6.7	64.6	12.8	6.1	19.9	2.7	7.0	5.3
Serbia	590	19.7	12.7	55.1	32.4	19.7	9.9	2.6	18.2	21.0
Singapore	939	75.5	10.3	13.3	85.8	75.5	0.8	0.1	78.0	73.3
Slovak Republic	818	14.7	11.6	60.9	26.2	14.7	11.5	1.4	11.9	17.1
Slovenia	629	22.4	10.2	56.9	32.6	22.4	7.5	3.0	15.6	27.7
Spain	1109	9.1	7.0	75.2	16.1	9.1	5.5	3.2	9.4	8.7
Sweden	590	28.6	15.4	47.4	44.1	28.6	6.8	1.8	26.4	30.7
Turkey	925	20.0	8.6	64.3	28.6	20.0	6.5	0.7	19.7	20.2
United Arab Emirates	3038	8.2	7.9	69.8	16.0	8.2	13.0	1.1	7.5	8.8
United States	1448	12.7	7.3	74.2	20.0	12.7	4.7	1.1	11.6	13.9
International Avg (n=47)	36235	18.4	9.3	61.1	27.7	18.4	9.5	1.8	17.3	19.4
Buenos Aires, Argentina	409	3.9	7.0	43.4	10.9	3.9	36.6	9.2	4.4	3.4
Ontario, Canada	652	10.6	8.3	74.4	18.9	10.6	5.0	1.8	11.5	9.7
Quebec, Canada	404	14.4	15.6	65.0	30.0	14.4	4.5	0.5	11.8	16.5
Norway (4)	599	6.6	7.5	69.3	14.1	6.6	10.5	6.1	5.6	7.6
Abu Dhabi, UAE	716	5.4	6.1	72.6	11.5	5.4	13.9	1.9	5.0	5.8
Dubai, UAE	1070	13.7	12.0	67.4	25.7	13.7	6.7	0.2	13.3	13.9
Florida, US	288	14.1	4.8	77.1	18.9	14.1	2.5	1.6	15.1	13.3

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S01_11 (S041032): Life Science / Knowing Type: CR 1 Point
Label: Staying in sun with no protection

COUNTRY	N	10 %	11 %	19 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	33.5	55.1	3.8	3.8	92.5	1.8	1.9	93.6	91.2
Bahrain	598	2.6	50.3	6.5	28.0	59.4	8.7	4.0	68.9	49.8
Belgium (Flemish)	766	4.3	81.0	2.5	6.7	87.8	3.5	2.0	90.7	84.8
Bulgaria	601	3.5	79.8	2.4	3.3	85.8	7.9	3.0	85.0	86.5
Canada	1741	7.0	77.8	5.1	3.1	89.9	3.1	3.9	91.4	88.5
Chile	673	7.2	71.9	2.8	4.8	81.9	6.2	7.0	83.8	80.3
Chinese Taipei	613	7.1	70.1	9.9	9.3	87.1	3.6	0.0	91.4	83.3
Croatia	571	5.8	80.6	6.0	3.3	92.4	2.6	1.7	95.3	90.1
Cyprus	589	4.4	73.3	3.9	6.5	81.6	4.1	7.8	82.0	81.3
Czech Republic	750	1.2	82.0	4.8	5.8	88.0	3.4	2.8	89.5	86.7
Denmark	526	5.4	79.2	1.2	4.9	85.8	2.1	7.1	85.5	86.1
England	569	4.4	86.7	3.4	2.5	94.4	1.7	1.3	94.9	94.0
Finland	716	2.5	86.6	3.2	3.9	92.3	1.2	2.7	94.8	90.0
France	688	2.1	66.4	13.9	4.6	82.4	6.4	6.6	84.4	80.6
Georgia	554	0.2	71.2	4.0	5.0	75.4	11.1	8.6	78.1	73.0
Germany	556	2.0	83.0	4.9	4.2	89.8	2.8	3.1	91.1	88.4
Hong Kong SAR	517	10.6	62.6	4.2	18.7	77.4	3.8	0.0	80.4	74.7
Hungary	715	3.9	79.6	2.9	4.9	86.4	3.3	5.4	90.5	82.1
Indonesia	576	3.1	41.1	7.1	39.1	51.3	7.7	1.8	55.9	47.4
Iran, Islamic Rep. of	544	2.4	61.1	4.9	17.0	68.4	6.7	7.9	69.6	67.1
Ireland	623	11.4	80.6	2.1	1.7	94.1	2.0	2.2	93.4	94.6
Italy	622	0.3	79.5	6.7	5.5	86.5	5.7	2.3	88.8	84.1
Japan	621	1.3	82.0	6.9	6.8	90.2	2.5	0.5	91.8	88.6
Kazakhstan	668	8.1	73.9	1.2	11.1	83.2	4.0	1.8	84.8	81.6
Korea, Rep. of	664	3.5	58.4	32.5	4.4	94.4	0.4	0.9	97.0	91.9
Kuwait	490	1.1	17.8	7.5	25.1	26.4	39.6	8.9	30.0	23.0
Lithuania	649	2.0	70.9	15.0	6.7	87.9	4.0	1.5	90.5	85.2
Morocco	729	0.5	26.9	0.9	38.0	28.3	26.3	7.4	34.7	22.1
Netherlands	650	4.1	84.4	2.0	4.2	90.6	2.4	2.8	92.1	89.0
New Zealand	902	18.1	71.1	2.7	3.3	91.9	2.2	2.5	95.5	88.4
Northern Ireland	452	10.1	81.6	4.3	1.7	96.0	1.6	0.6	96.9	95.3
Norway	621	11.7	77.4	2.1	5.4	91.2	1.5	1.8	92.8	89.5
Oman	1310	0.9	31.3	10.6	38.1	42.7	15.8	3.4	48.9	37.6
Poland	668	3.2	77.7	8.6	6.4	89.5	3.1	1.0	89.7	89.2
Portugal	685	11.9	74.6	3.2	2.6	89.8	2.9	4.7	87.9	91.5
Qatar	728	8.0	39.2	7.4	29.9	54.6	10.4	5.1	60.0	49.1
Russian Federation	705	0.9	81.3	11.4	2.8	93.6	2.5	1.2	94.1	93.1
Saudi Arabia	618	10.9	15.6	1.7	43.1	28.2	24.2	4.6	30.4	26.1
Serbia	590	3.3	68.7	9.8	5.7	81.9	6.4	6.0	84.3	79.7
Singapore	939	8.6	81.2	5.5	3.3	95.4	1.1	0.3	96.9	94.0
Slovak Republic	818	1.8	75.1	7.2	8.0	84.1	5.3	2.5	86.3	82.3
Slovenia	628	6.9	78.3	4.7	3.5	89.9	3.0	3.6	90.2	89.6
Spain	1108	2.7	81.5	2.4	5.5	86.6	3.0	4.9	89.2	84.2
Sweden	588	6.6	75.1	5.5	7.3	87.2	2.4	3.1	88.1	86.2
Turkey	925	2.4	61.9	9.5	18.4	73.8	6.2	1.6	76.1	71.5
United Arab Emirates	3037	3.9	52.5	6.4	20.6	62.9	14.0	2.5	66.1	60.1
United States	1448	7.6	79.0	3.7	4.8	90.4	2.6	2.2	92.3	88.3
International Avg (n=47)	36224	5.6	68.4	5.9	10.5	80.0	6.1	3.4	82.3	77.9
Buenos Aires, Argentina	408	2.7	62.1	3.3	11.7	68.0	7.9	12.4	67.7	68.3
Ontario, Canada	651	8.7	77.3	4.1	2.7	90.2	2.4	4.7	91.8	88.5
Quebec, Canada	403	4.5	84.7	3.4	2.9	92.6	2.7	1.8	92.3	92.8
Norway (4)	599	7.7	68.1	2.4	8.8	78.2	4.1	8.9	79.4	76.9
Abu Dhabi, UAE	714	2.6	49.1	6.1	23.8	57.8	14.8	3.6	56.8	58.7
Dubai, UAE	1069	7.2	65.5	5.4	14.3	78.1	6.1	1.5	82.2	74.6
Florida, US	288	12.7	74.6	5.0	5.1	92.3	1.1	1.6	89.6	94.5

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S01_12 (S041068): Physical Science / Reasoning Type: CR 1 Point
Label: Source of energy for electricity

COUNTRY	N	10 %	11 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	38.8	5.0	46.7	43.8	7.0	2.4	42.8	45.1
Bahrain	598	24.4	4.2	53.6	28.6	12.8	5.0	31.6	25.6
Belgium (Flemish)	766	29.2	12.1	43.1	41.3	12.8	2.7	39.8	42.9
Bulgaria	601	50.0	4.5	24.8	54.5	17.2	3.5	55.2	53.8
Canada	1741	40.7	6.2	40.3	46.9	7.3	5.5	46.0	48.0
Chile	673	30.7	5.6	36.4	36.3	19.6	7.7	33.3	38.8
Chinese Taipei	613	59.2	6.4	28.4	65.6	5.8	0.2	65.0	66.1
Croatia	571	43.6	11.4	28.1	55.0	14.2	2.8	57.2	53.1
Cyprus	589	30.2	8.0	27.5	38.2	26.3	8.1	36.1	40.5
Czech Republic	750	53.1	7.1	22.2	60.2	14.1	3.5	55.1	64.9
Denmark	526	28.9	7.6	38.9	36.5	15.9	8.7	26.7	46.2
England	569	35.7	10.2	42.2	45.8	10.1	1.9	42.4	49.8
Finland	716	53.8	12.6	19.2	66.4	11.6	2.8	62.5	70.1
France	688	29.8	6.9	31.6	36.6	21.9	9.9	30.8	41.4
Georgia	554	15.3	1.4	32.7	16.8	40.0	10.5	20.6	13.4
Germany	556	42.9	13.3	25.1	56.2	14.7	4.0	52.2	60.7
Hong Kong SAR	517	61.6	3.6	32.2	65.2	2.6	0.0	61.9	68.2
Hungary	715	27.2	9.3	35.6	36.5	20.7	7.2	31.6	41.5
Indonesia	576	35.0	5.8	44.3	40.8	12.4	2.5	41.4	40.3
Iran, Islamic Rep. of	544	24.3	0.4	44.1	24.7	23.1	8.1	18.0	31.4
Ireland	623	43.7	7.5	37.3	51.3	8.1	3.3	50.4	52.1
Italy	623	46.9	5.3	27.3	52.2	17.6	2.9	49.5	54.9
Japan	621	41.2	9.1	38.6	50.3	10.4	0.7	50.7	49.8
Kazakhstan	668	60.1	1.6	25.9	61.7	10.0	2.4	61.8	61.7
Korea, Rep. of	664	37.3	3.4	52.6	40.7	5.8	0.9	32.3	48.7
Kuwait	490	8.9	2.3	33.3	11.3	44.1	11.3	9.7	13.1
Lithuania	649	44.8	7.6	27.1	52.3	19.1	1.5	44.4	60.5
Morocco	729	13.7	1.5	53.0	15.1	21.1	10.8	17.3	13.1
Netherlands	651	38.8	9.6	41.4	48.4	5.8	4.4	44.7	52.3
New Zealand	902	39.0	8.1	42.2	47.2	7.9	2.7	45.7	48.7
Northern Ireland	452	34.2	10.6	46.6	44.8	7.6	1.1	40.9	48.3
Norway	621	41.4	6.2	38.3	47.7	11.9	2.1	43.5	52.1
Oman	1311	33.0	7.4	35.1	40.3	20.1	4.4	45.0	36.5
Poland	668	29.7	6.9	38.0	36.6	24.4	1.0	30.3	42.7
Portugal	685	38.6	11.2	31.8	49.8	12.4	6.0	46.4	53.0
Qatar	728	21.9	3.0	53.1	24.9	15.9	6.0	26.8	22.9
Russian Federation	705	48.8	6.4	33.3	55.2	10.3	1.3	55.9	54.4
Saudi Arabia	618	20.0	0.5	42.2	20.5	31.1	6.1	25.6	15.6
Serbia	590	48.5	3.4	22.1	51.9	19.1	7.0	48.3	55.1
Singapore	939	57.4	9.6	30.7	67.0	1.6	0.6	67.9	66.2
Slovak Republic	818	49.4	5.5	20.7	54.9	21.6	2.9	46.3	62.4
Slovenia	628	45.2	12.4	21.1	57.6	17.4	3.9	49.6	63.9
Spain	1108	35.7	6.9	36.5	42.6	14.4	6.6	38.4	46.4
Sweden	587	47.5	8.5	25.5	56.0	14.0	4.4	53.7	58.2
Turkey	925	31.9	8.8	44.5	40.7	11.7	3.1	39.3	42.1
United Arab Emirates	3039	33.3	3.8	40.2	37.1	19.3	3.4	36.9	37.4
United States	1448	39.5	7.5	46.2	47.0	3.2	3.7	43.6	50.7
International Avg (n=47)	36228	38.0	6.7	35.8	44.7	15.2	4.3	42.4	46.9
Buenos Aires, Argentina	408	17.1	2.1	24.3	19.2	42.7	13.8	16.9	21.5
Ontario, Canada	651	38.1	7.1	41.2	45.1	7.2	6.5	44.5	45.7
Quebec, Canada	403	48.0	4.3	37.0	52.3	7.4	3.3	52.6	52.0
Norway (4)	599	28.9	4.5	38.6	33.4	17.2	10.9	29.6	37.4
Abu Dhabi, UAE	716	26.2	2.4	43.4	28.6	23.1	4.9	25.8	31.1
Dubai, UAE	1069	45.3	5.9	37.0	51.3	9.9	1.8	51.0	51.5
Florida, US	288	45.4	5.5	44.5	50.9	2.3	2.3	49.7	52.0

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S01_13 (S041303): Physical Science / Knowing Type: MC Key: A
Label: New substances with new properties

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	875	41.7	41.7	12.9	14.8	24.2	3.6	2.8	44.4	38.6
Bahrain	598	51.6	51.6	13.1	14.6	13.7	1.3	5.8	59.1	44.1
Belgium (Flemish)	766	26.7	26.7	16.8	15.6	34.8	2.9	3.3	29.7	23.6
Bulgaria	601	51.6	51.6	11.8	12.3	18.8	1.7	3.8	48.8	54.2
Canada	1732	44.9	44.9	11.2	14.4	19.7	3.2	6.7	46.5	43.3
Chile	673	37.6	37.6	13.6	17.6	20.8	2.1	8.4	35.9	38.9
Chinese Taipei	613	64.6	64.6	10.9	10.3	12.9	1.0	0.2	62.7	66.3
Croatia	571	52.4	52.4	11.2	16.2	13.0	3.8	3.4	49.9	54.4
Cyprus	589	41.6	41.6	12.6	15.1	18.4	2.1	10.2	39.1	44.2
Czech Republic	750	60.9	60.9	7.3	10.5	11.0	5.0	5.4	59.1	62.5
Denmark	526	51.9	51.9	7.3	10.6	14.5	4.9	10.8	45.8	58.0
England	569	47.5	47.5	13.7	13.0	20.6	2.4	2.7	47.2	47.9
Finland	716	70.4	70.4	5.3	5.8	13.3	2.0	3.3	72.7	68.2
France	688	55.0	55.0	7.8	9.3	9.9	5.4	12.7	53.2	56.4
Georgia	554	41.8	41.8	14.5	10.0	18.8	1.9	12.8	43.3	40.5
Germany	556	52.3	52.3	8.2	12.6	14.8	6.7	5.4	54.8	50.0
Hong Kong SAR	517	66.2	66.2	9.5	12.0	11.9	0.4	0.0	63.4	68.6
Hungary	715	59.1	59.1	8.9	8.0	14.6	1.4	8.0	60.1	58.1
Indonesia	576	46.1	46.1	11.9	21.9	15.5	1.6	3.1	48.4	44.1
Iran, Islamic Rep. of	544	31.8	31.8	16.3	12.3	29.0	1.4	9.2	24.8	38.8
Ireland	623	42.2	42.2	12.1	16.3	23.8	1.2	4.4	41.4	42.9
Italy	624	67.9	67.9	11.6	7.5	6.9	3.1	3.0	66.4	69.3
Japan	621	48.5	48.5	13.9	13.5	22.3	0.4	1.3	46.6	50.4
Kazakhstan	668	63.6	63.6	11.3	9.1	13.0	0.5	2.5	61.5	65.6
Korea, Rep. of	664	56.8	56.8	7.8	11.8	21.9	0.8	0.9	51.9	61.5
Kuwait	492	28.9	28.9	17.6	15.6	17.8	8.3	11.8	28.8	29.5
Lithuania	649	55.3	55.3	11.9	9.9	18.5	2.1	2.3	56.9	53.6
Morocco	729	33.9	33.9	12.3	20.7	18.0	3.8	11.3	30.4	37.2
Netherlands	650	28.2	28.2	14.8	19.8	28.8	2.7	5.6	26.4	30.1
New Zealand	902	40.8	40.8	12.4	17.0	24.4	1.2	4.2	41.4	40.3
Northern Ireland	438	39.4	39.4	18.4	15.5	26.2	0.5	0.0	40.1	38.7
Norway	621	66.5	66.5	7.5	10.7	10.9	2.1	2.4	66.6	66.3
Oman	1305	39.4	39.4	15.2	16.9	20.3	3.4	4.8	42.1	37.1
Poland	668	67.7	67.7	8.3	11.8	8.6	1.8	1.8	65.7	69.7
Portugal	685	42.9	42.9	10.1	16.6	19.0	4.3	7.1	45.5	40.4
Qatar	728	36.9	36.9	13.4	16.3	24.8	2.0	6.6	35.3	38.6
Russian Federation	705	66.9	66.9	5.7	9.8	13.2	2.5	1.9	66.2	67.6
Saudi Arabia	614	45.1	45.1	18.3	14.7	14.2	1.1	6.5	48.0	42.3
Serbia	590	48.7	48.7	15.4	10.3	15.4	2.3	7.8	50.0	47.6
Singapore	939	56.3	56.3	10.0	13.9	18.6	0.6	0.6	57.0	55.7
Slovak Republic	818	54.6	54.6	11.9	13.2	14.2	2.6	3.5	55.3	53.9
Slovenia	628	59.3	59.3	12.1	9.8	12.0	1.9	4.9	50.4	66.4
Spain	1108	50.8	50.8	10.3	15.1	14.3	1.7	7.8	49.9	51.6
Sweden	588	52.8	52.8	10.1	13.3	14.5	3.7	5.6	48.6	56.9
Turkey	925	34.2	34.2	22.1	13.2	26.3	0.7	3.6	33.1	35.3
United Arab Emirates	3039	40.6	40.6	14.9	16.9	21.6	2.0	3.9	40.4	40.9
United States	1448	44.9	44.9	11.7	17.4	18.7	2.2	5.1	45.3	44.5
International Avg (n=47)	36198	49.1	49.1	12.0	13.5	17.8	2.4	5.1	48.5	49.7
Buenos Aires, Argentina	408	28.3	28.3	9.1	14.2	10.2	16.8	21.3	26.1	30.4
Ontario, Canada	646	39.3	39.3	11.0	15.5	22.4	3.6	8.2	40.1	38.7
Quebec, Canada	402	56.2	56.2	11.2	13.4	14.0	1.0	4.2	60.3	53.0
Norway (4)	599	53.4	53.4	8.4	12.6	10.9	3.0	11.7	56.8	49.7
Abu Dhabi, UAE	716	34.8	34.8	16.6	20.1	21.2	1.6	5.7	32.8	36.6
Dubai, UAE	1069	52.4	52.4	11.4	12.3	19.8	1.8	2.4	51.7	52.9
Florida, US	288	58.2	58.2	9.0	12.8	16.5	0.8	2.8	56.8	59.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S02_01 (S061105): Life Science / Applying Type: MC Key: A
Label: Animals that lay eggs

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	80.2	80.2	6.8	4.1	5.6	3.2	0.1	82.2	78.1
Bahrain	586	72.8	72.8	7.7	5.2	8.3	5.9	0.0	78.5	67.0
Belgium (Flemish)	770	70.0	70.0	8.6	9.1	8.9	3.5	0.0	72.2	67.7
Bulgaria	608	79.3	79.3	4.4	8.2	5.7	2.3	0.2	80.1	78.7
Canada	1697	73.7	73.7	7.5	7.0	9.7	1.4	0.7	77.1	71.0
Chile	674	65.5	65.5	13.7	12.0	7.6	0.9	0.4	64.1	66.8
Chinese Taipei	612	53.6	53.6	3.9	29.7	4.6	8.3	0.0	53.2	53.9
Croatia	567	59.1	59.1	13.0	6.2	17.6	4.1	0.0	61.1	57.3
Cyprus	588	47.6	47.6	17.2	12.6	19.9	2.5	0.4	45.9	49.3
Czech Republic	749	75.7	75.7	6.4	7.2	7.7	3.0	0.0	80.1	71.7
Denmark	529	69.3	69.3	6.6	13.4	8.6	1.5	0.6	74.0	64.3
England	562	74.3	74.3	8.6	3.9	10.8	2.3	0.0	76.9	71.9
Finland	712	64.1	64.1	8.5	4.6	17.5	5.3	0.0	69.5	59.4
France	690	53.2	53.2	12.5	10.7	12.3	10.7	0.7	51.4	54.8
Georgia	551	67.7	67.7	7.8	6.7	12.7	5.1	0.0	67.4	67.9
Germany	568	72.1	72.1	7.9	6.3	7.7	5.7	0.2	75.0	69.4
Hong Kong SAR	509	61.7	61.7	5.2	22.5	8.6	2.0	0.0	58.9	63.9
Hungary	719	75.0	75.0	4.2	9.7	3.3	7.4	0.4	76.4	73.5
Indonesia	563	81.4	81.4	3.0	4.1	7.3	3.7	0.5	80.9	81.9
Iran, Islamic Rep. of	545	54.5	54.5	8.3	14.2	12.8	9.1	1.1	51.0	58.0
Ireland	618	76.7	76.7	7.2	2.4	8.2	5.4	0.2	79.9	73.5
Italy	633	67.6	67.6	8.7	11.6	7.5	4.5	0.2	70.6	64.5
Japan	624	64.0	64.0	9.1	5.4	13.0	8.5	0.0	64.5	63.4
Kazakhstan	669	66.9	66.9	9.4	2.9	20.6	0.3	0.0	63.3	70.6
Korea, Rep. of	668	85.9	85.9	4.6	6.5	2.5	0.4	0.0	85.2	86.5
Kuwait	515	59.3	59.3	8.5	4.3	12.3	14.0	1.5	63.8	54.1
Lithuania	658	61.5	61.5	16.1	6.9	12.2	3.3	0.0	62.0	61.0
Morocco	722	62.5	62.5	9.9	8.6	11.3	6.9	0.8	62.2	62.9
Netherlands	647	71.6	71.6	8.5	10.2	8.2	1.4	0.2	71.4	71.8
New Zealand	900	67.7	67.7	8.9	6.4	11.4	5.2	0.3	72.7	63.3
Northern Ireland	434	74.9	74.9	7.6	5.4	9.2	2.9	0.0	78.8	71.5
Norway	617	65.5	65.5	10.1	8.4	7.9	8.0	0.1	66.2	64.8
Oman	1304	75.7	75.7	6.9	4.6	10.0	2.7	0.1	75.6	75.8
Poland	673	71.7	71.7	9.5	7.9	9.6	1.4	0.0	72.6	70.7
Portugal	664	61.7	61.7	15.7	10.1	10.7	1.9	0.0	60.6	62.7
Qatar	741	69.8	69.8	4.3	6.1	10.8	8.4	0.6	74.1	65.4
Russian Federation	701	71.8	71.8	10.4	4.1	12.6	1.0	0.0	73.7	69.9
Saudi Arabia	606	63.1	63.1	8.9	7.0	17.6	3.4	0.0	69.7	57.0
Serbia	586	73.6	73.6	4.5	5.2	10.9	5.9	0.0	74.1	73.1
Singapore	934	93.7	93.7	1.7	2.7	1.4	0.5	0.0	94.3	93.2
Slovak Republic	814	76.1	76.1	7.3	5.9	9.1	1.4	0.2	80.2	72.6
Slovenia	634	79.0	79.0	6.6	4.6	6.9	2.5	0.3	76.6	80.9
Spain	1108	78.3	78.3	4.1	8.0	5.9	3.4	0.2	80.6	76.0
Sweden	596	61.0	61.0	9.5	10.7	11.6	7.0	0.3	63.1	59.0
Turkey	918	56.8	56.8	14.2	8.6	19.4	1.1	0.0	56.8	56.8
United Arab Emirates	3015	75.4	75.4	5.8	6.0	9.6	3.2	0.1	74.0	76.6
United States	1428	82.0	82.0	4.6	4.0	7.5	1.7	0.3	81.5	82.6
International Avg (n=47)	36087	69.5	69.5	8.2	7.9	10.1	4.1	0.2	70.7	68.2
Buenos Aires, Argentina	418	46.7	46.7	13.8	8.8	12.6	15.0	3.3	45.5	47.6
Ontario, Canada	634	77.7	77.7	5.6	6.8	8.8	0.4	0.8	81.9	73.8
Quebec, Canada	385	62.6	62.6	14.4	8.3	10.9	3.8	0.0	61.2	63.7
Norway (4)	596	64.8	64.8	11.2	8.2	9.1	5.6	1.1	70.5	58.4
Abu Dhabi, UAE	713	68.7	68.7	7.1	6.7	13.6	3.7	0.2	67.4	69.9
Dubai, UAE	1058	80.2	80.2	5.0	5.9	6.5	2.5	0.0	80.0	80.4
Florida, US	291	87.8	87.8	4.1	3.6	4.3	0.3	0.0	90.7	85.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S02_02 (S061010): Life Science / Knowing Type: CR 1 Point
Label: Things plants and animals need

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	46.5	18.4	32.3	46.5	2.7	0.1	46.2	46.8
Bahrain	587	57.5	14.6	22.9	57.5	4.9	0.0	66.0	48.9
Belgium (Flemish)	770	50.0	35.0	13.0	50.0	2.0	0.0	50.6	49.3
Bulgaria	608	59.0	20.0	10.7	59.0	10.2	0.2	68.5	50.9
Canada	1744	47.5	31.2	17.3	47.5	3.3	0.7	50.9	44.7
Chile	674	40.6	34.3	15.7	40.6	8.7	0.7	37.9	43.2
Chinese Taipei	612	27.8	21.1	32.4	27.8	18.7	0.0	26.8	28.7
Croatia	567	54.2	27.3	14.4	54.2	4.0	0.0	59.8	49.2
Cyprus	588	46.0	32.5	16.5	46.0	4.6	0.4	48.1	43.8
Czech Republic	749	53.1	34.1	7.5	53.1	5.3	0.0	56.1	50.4
Denmark	529	49.9	38.4	9.1	49.9	2.0	0.6	51.4	48.3
England	562	58.2	23.0	15.8	58.2	3.0	0.0	56.3	59.9
Finland	712	47.8	42.9	8.3	47.8	1.1	0.0	48.2	47.4
France	690	27.8	33.5	23.3	27.8	14.8	0.7	30.0	25.4
Georgia	551	39.1	19.6	21.9	39.1	19.4	0.0	45.2	32.9
Germany	568	45.4	25.6	26.6	45.4	2.2	0.2	47.0	43.7
Hong Kong SAR	509	62.5	29.7	6.1	62.5	1.8	0.0	64.4	61.0
Hungary	719	53.6	26.9	15.3	53.6	3.8	0.4	54.7	52.4
Indonesia	563	27.2	23.6	40.6	27.2	8.1	0.5	32.0	23.1
Iran, Islamic Rep. of	545	55.2	10.6	18.5	55.2	14.2	1.4	60.3	50.1
Ireland	618	37.1	28.1	32.6	37.1	2.0	0.2	35.7	38.4
Italy	633	61.6	24.8	10.2	61.6	3.2	0.2	64.5	58.5
Japan	624	49.1	38.4	10.6	49.1	1.9	0.0	48.7	49.6
Kazakhstan	669	84.7	2.1	10.6	84.7	2.6	0.0	81.9	87.6
Korea, Rep. of	668	68.6	29.2	1.5	68.6	0.7	0.0	69.1	68.2
Kuwait	515	40.9	7.3	19.6	40.9	30.7	1.5	43.8	38.4
Lithuania	658	35.1	29.5	28.9	35.1	6.6	0.0	39.9	30.5
Morocco	723	30.0	24.0	29.9	30.0	15.4	0.8	27.6	32.3
Netherlands	647	53.2	36.2	9.0	53.2	1.5	0.2	53.7	52.7
New Zealand	900	41.2	26.3	28.5	41.2	3.7	0.3	41.3	41.1
Northern Ireland	443	47.6	24.5	25.4	47.6	2.3	0.2	45.5	49.4
Norway	617	58.3	31.1	9.2	58.3	1.3	0.1	61.8	54.8
Oman	1306	52.5	13.6	24.5	52.5	9.2	0.1	55.5	49.6
Poland	673	52.7	35.4	8.4	52.7	3.4	0.0	54.6	50.6
Portugal	664	47.3	41.1	9.9	47.3	1.7	0.0	45.3	49.3
Qatar	741	46.8	19.2	24.9	46.8	8.3	0.8	53.7	39.7
Russian Federation	701	41.9	36.9	17.6	41.9	3.6	0.0	43.5	40.3
Saudi Arabia	618	57.3	5.4	22.8	57.3	14.5	0.0	67.4	48.0
Serbia	586	67.0	14.7	10.0	67.0	8.3	0.0	70.0	64.2
Singapore	934	79.3	11.2	8.8	79.3	0.7	0.0	80.6	78.1
Slovak Republic	814	39.4	40.3	14.9	39.4	5.3	0.2	40.8	38.2
Slovenia	634	67.8	24.6	4.7	67.8	2.6	0.3	68.9	67.0
Spain	1108	57.4	31.7	8.5	57.4	2.2	0.2	57.9	57.0
Sweden	596	54.0	33.8	10.2	54.0	1.6	0.3	55.5	52.7
Turkey	918	38.1	36.0	21.6	38.1	4.3	0.0	43.5	32.9
United Arab Emirates	3015	42.1	19.9	28.7	42.1	9.2	0.1	45.9	38.5
United States	1428	51.4	27.6	18.2	51.4	2.4	0.4	55.2	46.9
International Avg (n=47)	36159	50.0	26.3	17.4	50.0	6.0	0.3	52.2	48.0
Buenos Aires, Argentina	418	27.3	26.2	24.5	27.3	18.8	3.3	29.0	25.9
Ontario, Canada	651	46.9	30.8	18.3	46.9	3.3	0.8	50.7	43.4
Quebec, Canada	401	49.7	36.6	11.6	49.7	2.1	0.0	51.2	48.5
Norway (4)	596	52.3	32.4	10.7	52.3	3.5	1.1	53.8	50.6
Abu Dhabi, UAE	713	36.0	17.3	36.2	36.0	10.3	0.2	41.2	31.0
Dubai, UAE	1058	51.5	23.1	20.9	51.5	4.4	0.0	54.4	48.8
Florida, US	291	47.7	33.3	17.3	47.7	1.7	0.0	53.2	42.3

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S02_03 (S061028): Life Science / Knowing Type: MC Key: A
Label: Foods with protein

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	35.4	35.4	10.9	20.9	29.4	3.3	0.1	34.4	36.4
Bahrain	587	37.3	37.3	7.3	30.2	23.5	1.7	0.1	38.7	35.9
Belgium (Flemish)	770	33.9	33.9	53.3	4.5	6.8	1.4	0.0	34.8	33.0
Bulgaria	608	65.7	65.7	21.8	7.2	2.6	2.5	0.2	64.4	66.8
Canada	1711	43.9	43.9	10.2	16.7	27.6	0.5	1.1	45.1	43.0
Chile	674	36.0	36.0	3.7	22.5	35.2	1.9	0.8	35.2	36.7
Chinese Taipei	612	79.4	79.4	6.9	4.5	8.2	1.0	0.0	81.2	77.8
Croatia	567	58.7	58.7	26.0	5.5	8.0	1.9	0.0	58.8	58.6
Cyprus	588	28.2	28.2	8.3	41.0	20.1	1.9	0.4	29.2	27.2
Czech Republic	749	51.1	51.1	25.7	9.0	12.7	1.5	0.0	52.3	50.0
Denmark	529	52.7	52.7	3.6	15.9	25.2	1.8	0.7	51.8	53.7
England	562	50.8	50.8	8.9	15.6	20.8	3.9	0.0	48.9	52.7
Finland	712	34.5	34.5	4.0	32.0	25.1	4.4	0.0	32.7	36.1
France	690	34.3	34.3	9.1	24.9	25.3	5.7	0.7	36.2	32.7
Georgia	551	64.9	64.9	14.1	7.5	11.4	2.1	0.0	63.7	66.1
Germany	568	52.8	52.8	35.1	4.4	3.3	4.1	0.2	49.4	55.8
Hong Kong SAR	509	65.8	65.8	23.2	3.3	6.9	0.8	0.0	66.6	65.2
Hungary	719	72.0	72.0	17.8	5.2	2.4	2.2	0.4	68.0	76.4
Indonesia	563	31.3	31.3	12.6	2.7	51.7	1.0	0.7	31.6	31.1
Iran, Islamic Rep. of	545	35.2	35.2	7.8	20.6	33.0	1.4	2.1	31.6	38.7
Ireland	618	42.3	42.3	5.4	17.2	30.0	4.9	0.2	39.5	45.1
Italy	633	32.0	32.0	2.2	32.3	29.9	3.2	0.5	29.3	34.8
Japan	624	36.6	36.6	35.5	8.7	15.6	3.5	0.0	29.8	43.3
Kazakhstan	669	57.6	57.6	20.2	14.0	8.0	0.2	0.0	55.2	60.0
Korea, Rep. of	668	53.0	53.0	12.4	14.6	19.4	0.5	0.0	52.7	53.3
Kuwait	515	32.8	32.8	15.8	19.6	21.2	8.6	2.1	27.3	39.1
Lithuania	658	68.8	68.8	16.1	6.5	6.6	1.9	0.1	65.5	71.9
Morocco	723	49.0	49.0	13.5	15.9	16.3	4.3	1.0	48.2	49.7
Netherlands	644	40.1	40.1	33.8	10.4	13.6	1.8	0.2	40.9	39.4
New Zealand	900	30.3	30.3	9.2	27.1	30.0	3.0	0.3	27.4	32.9
Northern Ireland	435	51.8	51.8	7.5	15.9	21.3	3.6	0.0	48.9	54.3
Norway	617	42.4	42.4	4.3	11.9	36.1	5.2	0.1	42.9	41.9
Oman	1299	42.2	42.2	18.6	19.9	17.2	1.9	0.3	44.4	40.0
Poland	673	78.9	78.9	13.4	2.2	5.0	0.6	0.0	77.8	80.1
Portugal	664	26.6	26.6	5.4	27.4	35.7	4.9	0.0	27.2	25.9
Qatar	741	43.9	43.9	11.9	21.3	18.2	3.8	0.9	41.9	45.8
Russian Federation	701	67.7	67.7	16.4	8.7	6.1	1.1	0.1	69.7	65.9
Saudi Arabia	614	37.9	37.9	10.4	29.7	20.8	1.3	0.0	35.5	40.2
Serbia	586	33.9	33.9	8.3	34.0	19.2	4.6	0.0	30.7	36.8
Singapore	934	37.5	37.5	14.2	14.9	33.1	0.2	0.0	37.2	37.7
Slovak Republic	814	60.8	60.8	16.8	11.0	10.5	0.7	0.2	57.5	63.6
Slovenia	634	55.5	55.5	25.7	8.3	7.4	2.8	0.3	55.0	55.8
Spain	1108	39.1	39.1	3.8	23.6	28.3	4.8	0.5	32.4	45.6
Sweden	596	49.8	49.8	6.0	16.3	23.6	4.0	0.3	53.9	45.8
Turkey	918	50.2	50.2	6.2	21.7	21.4	0.5	0.1	51.3	49.1
United Arab Emirates	3015	48.9	48.9	7.0	20.8	20.8	2.3	0.2	46.0	51.6
United States	1428	39.4	39.4	10.2	22.2	25.1	2.7	0.4	39.2	39.6
International Avg (n=47)	36104	47.1	47.1	14.1	16.4	19.6	2.6	0.3	46.0	48.2
Buenos Aires, Argentina	418	30.3	30.3	2.1	23.6	26.4	13.3	4.3	27.4	32.7
Ontario, Canada	642	48.9	48.9	10.5	13.9	24.7	0.7	1.3	48.3	49.4
Quebec, Canada	389	34.1	34.1	7.3	24.4	34.1	0.1	0.0	34.3	34.0
Norway (4)	596	36.5	36.5	4.5	13.8	37.1	6.7	1.3	36.2	36.9
Abu Dhabi, UAE	713	46.0	46.0	7.5	22.8	19.8	3.8	0.2	41.5	50.3
Dubai, UAE	1058	56.9	56.9	6.6	17.5	17.6	1.4	0.0	57.0	56.7
Florida, US	291	38.5	38.5	11.2	23.4	26.9	0.0	0.0	38.3	38.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S02_04 (S061065): Life Science / Knowing Type: MC Key: C
Label: Travel with least air pollution

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	68.0	9.5	7.6	68.0	13.7	1.1	0.1	64.5	71.4
Bahrain	587	49.0	25.0	13.8	49.0	11.7	0.5	0.1	53.9	44.1
Belgium (Flemish)	770	65.7	10.2	6.8	65.7	15.9	1.4	0.0	60.8	70.5
Bulgaria	608	76.3	5.7	6.8	76.3	9.9	0.8	0.5	77.7	75.2
Canada	1740	78.7	7.8	4.0	78.7	8.0	0.3	1.1	74.3	83.1
Chile	674	69.4	8.9	7.8	69.4	12.3	0.8	0.8	65.7	72.9
Chinese Taipei	612	85.5	10.0	1.9	85.5	2.5	0.1	0.0	81.5	88.9
Croatia	567	71.9	9.9	5.0	71.9	12.2	0.9	0.0	73.8	70.3
Cyprus	588	64.3	11.2	9.2	64.3	13.8	1.1	0.4	65.5	63.0
Czech Republic	749	58.5	15.4	10.9	58.5	13.8	1.3	0.0	53.8	62.8
Denmark	529	69.7	11.2	4.9	69.7	11.5	1.9	0.9	66.7	72.9
England	562	73.0	5.8	9.6	73.0	10.3	1.2	0.0	70.3	75.6
Finland	712	80.2	7.3	3.0	80.2	6.3	3.1	0.1	78.9	81.4
France	690	69.3	10.5	8.6	69.3	9.0	1.8	0.9	65.6	72.7
Georgia	551	46.5	14.1	13.2	46.5	24.0	2.2	0.0	49.2	43.8
Germany	568	76.2	7.0	4.4	76.2	8.9	3.3	0.2	71.3	80.6
Hong Kong SAR	509	65.1	18.9	1.6	65.1	14.2	0.2	0.0	57.5	71.0
Hungary	719	78.8	6.4	4.6	78.8	7.8	1.8	0.6	75.7	82.2
Indonesia	563	37.8	24.6	20.7	37.8	15.4	0.8	0.7	36.8	38.7
Iran, Islamic Rep. of	545	63.2	12.7	7.3	63.2	13.5	1.2	2.1	63.0	63.4
Ireland	618	70.2	8.3	9.0	70.2	9.1	3.3	0.2	66.0	74.4
Italy	633	80.8	4.3	5.2	80.8	7.5	1.6	0.5	76.3	85.7
Japan	624	65.8	4.0	10.3	65.8	17.7	2.1	0.0	61.6	69.9
Kazakhstan	669	73.1	10.1	9.8	73.1	6.8	0.2	0.0	70.7	75.6
Korea, Rep. of	668	90.0	1.7	2.9	90.0	5.2	0.2	0.0	87.6	92.2
Kuwait	515	34.0	18.9	27.2	34.0	10.2	7.3	2.4	35.1	33.3
Lithuania	658	80.4	6.6	7.0	80.4	4.4	1.6	0.1	82.1	78.9
Morocco	721	46.3	19.2	20.1	46.3	11.0	2.5	1.0	42.4	50.0
Netherlands	646	75.8	4.3	3.8	75.8	13.9	1.8	0.3	74.9	76.8
New Zealand	900	64.5	11.9	9.4	64.5	12.6	1.3	0.3	61.9	66.9
Northern Ireland	438	70.7	9.7	5.1	70.7	14.5	0.0	0.0	66.7	74.0
Norway	617	79.9	6.9	3.4	79.9	7.3	2.4	0.1	77.0	82.7
Oman	1297	45.5	27.1	13.6	45.5	11.6	1.9	0.4	45.6	45.5
Poland	673	71.7	11.7	6.0	71.7	10.0	0.7	0.0	67.6	76.2
Portugal	664	81.6	4.6	6.5	81.6	6.1	0.8	0.4	78.3	84.8
Qatar	741	41.8	22.3	17.4	41.8	14.7	2.7	1.0	37.5	46.3
Russian Federation	701	85.9	2.3	1.2	85.9	9.0	1.5	0.1	82.9	88.8
Saudi Arabia	615	38.4	22.8	20.9	38.4	16.3	1.6	0.0	39.1	37.7
Serbia	586	82.4	7.1	4.3	82.4	5.9	0.3	0.0	83.3	81.5
Singapore	934	65.1	10.8	9.3	65.1	14.5	0.3	0.0	60.7	69.1
Slovak Republic	814	71.3	12.2	6.4	71.3	8.7	1.1	0.2	67.8	74.4
Slovenia	634	83.9	4.9	2.4	83.9	7.3	1.1	0.3	82.6	85.0
Spain	1108	80.7	8.1	4.1	80.7	5.5	1.1	0.5	76.2	85.2
Sweden	596	69.3	10.8	7.2	69.3	9.2	3.3	0.3	68.2	70.3
Turkey	918	66.9	11.4	6.4	66.9	14.9	0.3	0.1	59.8	73.9
United Arab Emirates	3015	47.6	24.2	11.5	47.6	14.3	2.1	0.3	44.9	50.0
United States	1428	71.7	10.9	7.2	71.7	7.5	2.2	0.4	70.2	73.5
International Avg (n=47)	36135	67.7	11.3	8.3	67.7	10.9	1.5	0.4	65.4	69.9
Buenos Aires, Argentina	418	48.2	11.2	8.7	48.2	15.0	12.3	4.6	45.0	50.9
Ontario, Canada	651	75.9	8.5	3.3	75.9	10.6	0.3	1.3	71.3	80.1
Quebec, Canada	400	86.9	5.3	3.3	86.9	4.3	0.3	0.0	82.0	90.7
Norway (4)	596	69.4	8.8	7.6	69.4	10.3	2.5	1.5	68.5	70.4
Abu Dhabi, UAE	713	44.6	27.3	11.9	44.6	14.0	1.9	0.3	43.4	45.7
Dubai, UAE	1058	57.9	19.4	8.4	57.9	12.4	1.8	0.1	52.4	63.1
Florida, US	291	69.4	15.3	6.7	69.4	8.0	0.7	0.0	70.4	68.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent.

S02_05 (S061130): Life Science / Applying Type: CR 1 Point
Label: Catch a disease without touching

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	43.5	50.5	43.5	5.8	0.1	43.5	43.5
Bahrain	587	22.8	64.5	22.8	12.5	0.1	29.2	16.5
Belgium (Flemish)	770	33.3	60.9	33.3	5.8	0.0	34.2	32.4
Bulgaria	608	48.7	37.9	48.7	12.9	0.5	50.2	47.5
Canada	1744	49.2	43.6	49.2	6.0	1.2	54.3	44.8
Chile	674	34.3	52.0	34.3	12.7	0.9	43.1	26.3
Chinese Taipei	612	51.6	43.7	51.6	4.8	0.0	50.9	52.1
Croatia	567	39.2	55.6	39.2	5.2	0.0	45.5	33.6
Cyprus	588	36.3	49.4	36.3	13.7	0.6	34.9	37.8
Czech Republic	749	34.7	56.8	34.7	8.5	0.0	37.4	32.3
Denmark	529	56.6	36.0	56.6	6.2	1.2	58.2	54.9
England	562	46.4	47.3	46.4	6.3	0.0	51.6	41.5
Finland	712	58.0	36.7	58.0	5.2	0.1	63.5	53.3
France	690	31.4	53.9	31.4	13.6	1.1	35.3	27.7
Georgia	551	40.8	38.8	40.8	20.3	0.1	47.0	34.6
Germany	568	31.1	56.4	31.1	12.3	0.2	32.5	29.9
Hong Kong SAR	509	61.8	35.8	61.8	2.5	0.0	65.8	58.6
Hungary	719	59.9	33.3	59.9	6.2	0.6	59.8	60.0
Indonesia	563	17.8	71.0	17.8	10.5	0.8	17.9	17.6
Iran, Islamic Rep. of	545	15.5	55.8	15.5	26.6	2.1	17.0	13.9
Ireland	618	49.2	44.3	49.2	6.3	0.2	52.0	46.4
Italy	631	41.7	47.8	41.7	9.9	0.5	43.9	39.4
Japan	624	78.0	20.6	78.0	1.4	0.0	80.3	75.8
Kazakhstan	669	60.4	33.5	60.4	6.1	0.0	59.0	61.9
Korea, Rep. of	668	72.5	24.9	72.5	2.6	0.0	78.6	67.0
Kuwait	515	11.2	36.3	11.2	49.7	2.8	10.6	12.0
Lithuania	658	31.4	63.4	31.4	5.2	0.1	33.2	29.6
Morocco	721	9.0	69.1	9.0	20.7	1.1	8.4	9.6
Netherlands	648	41.5	54.4	41.5	3.5	0.5	49.7	33.5
New Zealand	900	30.2	61.6	30.2	7.6	0.7	33.5	27.2
Northern Ireland	443	32.0	63.9	32.0	3.9	0.2	31.8	32.2
Norway	617	54.5	42.2	54.5	3.2	0.1	61.3	47.8
Oman	1301	17.8	63.7	17.8	18.1	0.4	20.8	14.8
Poland	673	37.6	54.1	37.6	8.3	0.0	40.1	34.9
Portugal	664	28.3	65.2	28.3	6.2	0.4	27.3	29.2
Qatar	741	31.3	50.1	31.3	17.3	1.3	35.7	26.9
Russian Federation	701	68.8	25.2	68.8	5.9	0.1	71.4	66.2
Saudi Arabia	618	22.0	50.7	22.0	26.7	0.5	30.0	14.9
Serbia	586	42.1	46.5	42.1	11.3	0.1	43.4	40.9
Singapore	934	77.1	21.6	77.1	1.3	0.0	78.8	75.5
Slovak Republic	814	39.9	52.3	39.9	7.6	0.2	42.8	37.4
Slovenia	632	56.4	35.0	56.4	8.3	0.3	61.8	52.1
Spain	1108	17.2	74.5	17.2	7.8	0.5	18.2	16.1
Sweden	596	65.8	29.9	65.8	4.0	0.3	71.3	60.5
Turkey	918	39.2	56.0	39.2	4.7	0.1	39.2	39.1
United Arab Emirates	3015	29.3	52.1	29.3	18.2	0.4	31.7	27.1
United States	1428	39.9	54.8	39.9	4.8	0.5	43.7	35.3
International Avg (n=47)	36149	41.2	48.4	41.2	10.0	0.4	44.1	38.6
Buenos Aires, Argentina	417	19.4	44.0	19.4	30.6	6.0	23.5	16.0
Ontario, Canada	651	56.9	37.2	56.9	4.5	1.4	62.1	51.8
Quebec, Canada	401	34.3	60.2	34.3	5.5	0.0	37.4	31.9
Norway (4)	596	39.7	50.3	39.7	8.4	1.6	42.8	36.2
Abu Dhabi, UAE	713	24.1	56.8	24.1	18.8	0.3	31.1	17.4
Dubai, UAE	1058	42.5	47.4	42.5	9.9	0.1	42.8	42.3
Florida, US	291	45.1	50.5	45.1	4.4	0.0	42.4	47.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S02_06 (S061081): Physical Science / Applying Type: CR 1 Point
Label: Magnet on top of toy car

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	23.5	75.3	23.5	1.0	0.2	20.4	26.7
Bahrain	585	22.6	75.6	22.6	1.7	0.1	25.8	19.3
Belgium (Flemish)	770	21.0	77.9	21.0	1.1	0.0	19.5	22.4
Bulgaria	608	10.9	84.4	10.9	4.0	0.7	8.2	13.1
Canada	1744	36.5	61.0	36.5	1.3	1.2	34.2	38.7
Chile	674	12.7	80.6	12.7	5.4	1.4	10.1	15.0
Chinese Taipei	612	56.3	43.7	56.3	0.0	0.0	49.6	62.0
Croatia	567	24.9	74.1	24.9	1.0	0.0	25.8	24.1
Cyprus	588	21.0	76.2	21.0	2.1	0.7	20.5	21.5
Czech Republic	749	21.6	75.6	21.6	2.8	0.0	18.1	24.8
Denmark	529	27.4	67.8	27.4	3.6	1.2	25.8	29.1
England	562	34.5	64.9	34.5	0.6	0.0	32.1	36.7
Finland	712	35.6	62.5	35.6	1.9	0.1	36.1	35.1
France	690	8.5	87.2	8.5	2.8	1.5	7.8	9.0
Georgia	551	18.1	74.0	18.1	7.4	0.5	20.3	15.9
Germany	568	30.9	67.4	30.9	1.4	0.2	28.4	33.4
Hong Kong SAR	509	35.6	63.9	35.6	0.5	0.0	31.4	38.9
Hungary	719	34.2	64.0	34.2	1.1	0.6	32.1	36.5
Indonesia	563	10.3	84.0	10.3	4.9	0.8	12.0	8.9
Iran, Islamic Rep. of	543	26.6	69.1	26.6	2.0	2.3	24.3	28.9
Ireland	618	37.3	60.7	37.3	1.8	0.2	35.4	39.1
Italy	633	16.5	79.9	16.5	3.1	0.5	13.8	19.5
Japan	624	76.3	23.2	76.3	0.5	0.0	75.0	77.6
Kazakhstan	669	46.9	50.9	46.9	2.3	0.0	51.5	42.1
Korea, Rep. of	668	75.3	24.5	75.3	0.2	0.0	76.6	74.2
Kuwait	515	8.6	79.4	8.6	8.6	3.4	9.6	7.7
Lithuania	658	28.0	70.0	28.0	1.9	0.1	26.7	29.2
Morocco	723	1.8	93.1	1.8	3.8	1.3	1.4	2.3
Netherlands	648	21.3	77.3	21.3	0.8	0.5	21.6	21.0
New Zealand	900	21.1	76.2	21.1	1.9	0.8	20.8	21.4
Northern Ireland	443	18.4	80.3	18.4	1.2	0.2	13.7	22.3
Norway	0	.	.	.	.	.	.	.
Oman	1300	29.0	66.8	29.0	3.8	0.4	31.4	26.6
Poland	673	24.8	74.5	24.8	0.7	0.1	25.3	24.2
Portugal	664	15.7	82.5	15.7	1.4	0.4	11.5	19.7
Qatar	741	16.3	78.5	16.3	3.8	1.5	18.1	14.6
Russian Federation	701	36.3	62.9	36.3	0.7	0.1	36.3	36.3
Saudi Arabia	618	10.5	82.6	10.5	6.0	0.8	15.2	6.3
Serbia	586	38.1	58.6	38.1	3.0	0.2	35.9	40.0
Singapore	934	82.6	17.4	82.6	0.0	0.0	84.5	80.9
Slovak Republic	814	39.7	59.1	39.7	1.0	0.2	38.5	40.6
Slovenia	633	47.6	49.2	47.6	2.9	0.3	41.8	52.1
Spain	1108	20.7	77.1	20.7	1.7	0.5	17.8	23.6
Sweden	596	43.7	54.7	43.7	1.0	0.6	42.5	44.8
Turkey	918	30.1	69.5	30.1	0.3	0.1	29.3	30.8
United Arab Emirates	3015	25.3	72.4	25.3	1.8	0.5	24.5	25.9
United States	1428	45.2	53.6	45.2	0.7	0.5	43.7	47.1
International Avg (n=46)	35532	29.8	67.5	29.8	2.2	0.5	28.8	30.7
Buenos Aires, Argentina	418	11.7	67.9	11.7	12.2	8.2	13.0	10.6
Ontario, Canada	651	39.2	58.4	39.2	1.0	1.4	34.1	44.0
Quebec, Canada	401	29.5	68.6	29.5	1.9	0.0	29.0	29.9
Norway (4)	0	.	.	.	.	.	.	.
Abu Dhabi, UAE	713	20.0	78.8	20.0	0.7	0.4	20.0	20.0
Dubai, UAE	1058	38.3	60.6	38.3	1.0	0.1	37.7	38.8
Florida, US	291	53.8	45.9	53.8	0.3	0.0	56.0	51.5

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S02_07 (S061060): Physical Science / Applying Type: CR 1 Point
Label: Circuit without battery

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	69.3	24.7	69.3	5.8	0.2	63.6	75.0
Bahrain	587	40.2	51.4	40.2	8.2	0.2	43.2	37.1
Belgium (Flemish)	770	50.9	36.9	50.9	12.0	0.2	49.0	52.8
Bulgaria	608	46.4	27.2	46.4	25.7	0.7	41.3	50.8
Canada	1744	63.1	28.9	63.1	6.8	1.2	61.6	64.8
Chile	675	37.5	46.6	37.5	14.0	1.9	36.0	38.8
Chinese Taipei	612	57.6	30.9	57.6	11.5	0.0	51.7	62.6
Croatia	567	54.0	27.5	54.0	18.5	0.0	48.7	58.7
Cyprus	588	53.2	35.4	53.2	10.7	0.7	50.6	55.8
Czech Republic	749	48.5	32.9	48.5	18.6	0.0	43.4	53.1
Denmark	529	60.1	26.8	60.1	11.7	1.4	56.0	64.4
England	562	80.7	15.7	80.7	3.7	0.0	76.0	85.0
Finland	712	69.6	19.8	69.6	10.5	0.1	64.3	74.2
France	690	46.8	32.6	46.8	18.8	1.8	40.7	52.5
Georgia	551	16.2	53.1	16.2	29.4	1.2	17.1	15.4
Germany	568	67.8	18.9	67.8	13.0	0.2	64.9	70.4
Hong Kong SAR	509	71.1	22.0	71.1	6.9	0.0	70.5	71.5
Hungary	719	46.9	39.5	46.9	12.9	0.6	39.9	54.6
Indonesia	563	26.7	58.9	26.7	13.4	1.0	25.4	27.8
Iran, Islamic Rep. of	543	37.6	47.1	37.6	13.0	2.3	32.7	42.5
Ireland	618	68.9	26.1	68.9	4.4	0.6	65.3	72.4
Italy	631	45.5	40.5	45.5	13.5	0.5	39.1	52.2
Japan	624	48.4	45.2	48.4	6.3	0.1	40.7	55.8
Kazakhstan	669	55.1	37.7	55.1	7.2	0.0	55.0	55.1
Korea, Rep. of	668	65.8	26.6	65.8	7.6	0.0	60.1	70.9
Kuwait	515	16.3	40.2	16.3	40.0	3.5	19.2	13.3
Lithuania	658	58.5	31.8	58.5	9.6	0.1	53.0	63.8
Morocco	720	16.2	62.6	16.2	19.6	1.7	13.9	18.4
Netherlands	647	52.6	41.8	52.6	5.2	0.4	50.8	54.3
New Zealand	900	66.7	25.5	66.7	7.0	0.8	65.6	67.6
Northern Ireland	443	65.6	29.4	65.6	4.3	0.7	63.1	67.8
Norway	617	64.0	27.5	64.0	8.4	0.1	65.0	63.0
Oman	1306	28.7	55.1	28.7	15.8	0.5	30.6	26.8
Poland	673	49.1	28.0	49.1	22.8	0.1	43.6	55.3
Portugal	664	58.2	32.5	58.2	9.0	0.4	53.3	62.9
Qatar	741	41.2	44.5	41.2	12.9	1.5	43.9	38.4
Russian Federation	701	69.4	22.1	69.4	8.4	0.2	67.9	70.8
Saudi Arabia	617	16.3	55.5	16.3	27.4	0.8	24.6	8.6
Serbia	586	54.5	25.3	54.5	20.0	0.2	51.6	57.1
Singapore	934	80.6	18.2	80.6	1.3	0.0	79.5	81.6
Slovak Republic	814	51.1	32.7	51.1	16.0	0.3	43.5	57.5
Slovenia	634	58.5	28.3	58.5	12.9	0.3	58.4	58.6
Spain	1108	46.1	45.1	46.1	8.2	0.6	37.8	54.3
Sweden	596	68.4	23.3	68.4	7.4	1.0	67.8	68.9
Turkey	918	50.0	43.9	50.0	5.9	0.1	43.7	56.2
United Arab Emirates	3015	41.7	42.4	41.7	15.3	0.5	40.6	42.7
United States	1428	74.2	23.2	74.2	1.9	0.7	72.5	76.2
International Avg (n=47)	36152	52.2	34.7	52.2	12.4	0.6	49.5	54.9
Buenos Aires, Argentina	418	30.3	26.2	30.3	34.6	8.8	29.6	31.0
Ontario, Canada	651	62.8	30.1	62.8	5.7	1.4	61.5	64.0
Quebec, Canada	401	65.9	29.7	65.9	4.4	0.0	62.4	68.7
Norway (4)	596	59.0	27.1	59.0	11.3	2.6	56.5	61.8
Abu Dhabi, UAE	713	35.2	48.2	35.2	16.0	0.6	33.4	36.8
Dubai, UAE	1058	54.3	35.9	54.3	9.6	0.2	54.0	54.7
Florida, US	291	73.8	24.0	73.8	2.1	0.0	73.8	73.9

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S02_08 (S061075): Physical Science / Applying Type: MC Key: D
Label: Ice cubes on aluminum foil

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	66.6	4.5	5.2	20.8	66.6	1.7	1.2	62.5	70.8
Bahrain	588	58.7	8.2	5.7	24.8	58.7	1.7	0.9	63.2	54.2
Belgium (Flemish)	770	66.3	5.5	5.6	21.8	66.3	0.7	0.2	68.6	63.9
Bulgaria	608	69.0	4.6	4.1	19.5	69.0	1.8	0.9	70.6	67.7
Canada	1742	61.8	5.8	7.0	22.8	61.8	1.1	1.4	62.9	61.3
Chile	675	46.7	7.5	8.2	33.1	46.7	2.0	2.4	47.0	46.4
Chinese Taipei	612	75.7	1.5	2.6	19.9	75.7	0.3	0.0	71.5	79.2
Croatia	567	66.9	2.3	3.5	26.1	66.9	1.1	0.0	69.6	64.4
Cyprus	588	51.0	6.8	6.0	33.4	51.0	1.1	1.5	48.5	53.6
Czech Republic	749	67.7	2.4	3.4	25.4	67.7	1.0	0.0	67.3	68.1
Denmark	529	61.4	6.3	3.4	25.7	61.4	1.7	1.6	59.9	62.8
England	562	71.9	5.2	4.7	16.9	71.9	1.1	0.1	71.0	72.7
Finland	712	67.8	2.3	4.6	24.1	67.8	1.1	0.1	70.2	65.7
France	690	62.9	3.9	2.2	26.2	62.9	2.2	2.8	63.2	62.4
Georgia	551	63.1	8.1	8.7	16.1	63.1	1.8	2.1	65.8	60.4
Germany	568	69.8	2.1	6.1	19.2	69.8	2.3	0.4	68.2	71.2
Hong Kong SAR	509	67.7	3.7	4.8	22.7	67.7	1.1	0.2	68.9	66.7
Hungary	719	52.7	4.6	4.3	37.2	52.7	0.5	0.7	54.0	51.3
Indonesia	563	53.3	11.4	8.5	24.3	53.3	1.4	1.2	56.5	50.6
Iran, Islamic Rep. of	545	62.7	8.0	5.4	18.2	62.7	3.3	2.4	67.3	58.0
Ireland	618	66.1	3.3	6.0	23.3	66.1	0.2	1.1	68.0	64.3
Italy	633	71.0	5.7	3.2	17.1	71.0	2.5	0.5	70.6	71.4
Japan	624	61.3	3.2	2.7	31.6	61.3	1.0	0.1	63.6	59.0
Kazakhstan	669	66.1	5.9	4.4	22.8	66.1	0.7	0.1	64.3	67.9
Korea, Rep. of	668	62.5	3.1	2.0	32.0	62.5	0.4	0.0	60.4	64.5
Kuwait	514	28.8	18.9	12.9	29.9	28.8	4.5	4.9	32.3	24.1
Lithuania	658	82.7	1.3	2.9	11.7	82.7	0.8	0.5	84.7	80.7
Morocco	722	28.9	14.4	13.3	37.7	28.9	3.1	2.7	29.9	27.9
Netherlands	645	71.0	5.1	4.9	18.0	71.0	0.6	0.5	73.4	68.6
New Zealand	900	57.5	7.7	7.7	23.8	57.5	2.2	1.1	59.0	56.2
Northern Ireland	436	64.9	2.9	4.7	27.5	64.9	0.0	0.0	64.4	65.3
Norway	617	72.6	5.1	2.5	18.1	72.6	1.6	0.1	71.7	73.5
Oman	1299	48.2	10.6	11.2	27.2	48.2	1.8	1.0	51.7	44.8
Poland	673	72.0	2.8	3.6	20.1	72.0	1.4	0.1	75.5	68.0
Portugal	663	76.8	2.0	3.2	16.3	76.8	1.1	0.5	79.2	74.5
Qatar	741	45.9	9.3	6.7	34.3	45.9	2.2	1.6	46.7	45.0
Russian Federation	701	78.8	1.1	1.7	17.8	78.8	0.2	0.5	82.8	74.8
Saudi Arabia	615	40.3	15.1	13.7	27.5	40.3	1.7	1.6	50.9	30.7
Serbia	586	72.7	4.8	4.5	15.3	72.7	1.3	1.3	74.4	71.2
Singapore	934	80.6	3.7	1.8	13.0	80.6	0.8	0.0	78.6	82.5
Slovak Republic	814	64.6	4.0	3.5	26.6	64.6	1.0	0.3	65.0	64.3
Slovenia	634	78.9	1.9	2.5	14.1	78.9	2.2	0.4	82.3	76.3
Spain	1108	68.1	3.2	3.1	24.1	68.1	0.6	0.8	67.3	69.0
Sweden	596	61.9	3.6	5.2	25.8	61.9	2.3	1.1	66.5	57.5
Turkey	918	58.4	8.3	3.1	29.2	58.4	0.9	0.2	56.6	60.1
United Arab Emirates	3015	53.5	10.3	8.5	24.5	53.5	2.6	0.6	56.4	50.8
United States	1428	71.8	4.9	4.9	16.1	71.8	1.5	0.8	74.5	68.6
International Avg (n=47)	36137	63.2	5.7	5.3	23.5	63.2	1.4	0.9	64.4	62.0
Buenos Aires, Argentina	418	52.9	8.4	2.3	19.7	52.9	6.2	10.4	58.4	48.3
Ontario, Canada	650	70.5	5.0	4.5	17.4	70.5	1.0	1.7	73.3	68.2
Quebec, Canada	401	42.7	5.7	10.6	39.8	42.7	0.7	0.4	43.6	42.0
Norway (4)	596	63.4	6.3	4.8	21.8	63.4	0.6	3.0	71.1	54.7
Abu Dhabi, UAE	713	46.9	12.5	10.8	25.0	46.9	4.2	0.6	52.3	41.7
Dubai, UAE	1058	64.3	7.1	6.9	19.7	64.3	1.9	0.2	63.9	64.6
Florida, US	291	74.9	4.0	7.1	12.6	74.9	1.4	0.0	77.4	72.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S02_09 (S061031): Physical Science / Knowing Type: CR 1 Point
Label: Electrical wires made of metal

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	20.6	71.2	20.6	7.0	1.2	16.5	24.7
Bahrain	586	20.9	64.1	20.9	14.2	0.9	24.9	16.8
Belgium (Flemish)	770	15.8	74.9	15.8	8.9	0.4	13.1	18.4
Bulgaria	608	21.8	54.9	21.8	22.1	1.3	17.7	25.2
Canada	1744	20.6	69.0	20.6	8.7	1.7	17.8	23.4
Chile	674	11.3	69.1	11.3	16.5	3.1	9.6	12.8
Chinese Taipei	612	43.9	46.6	43.9	9.5	0.1	34.8	51.5
Croatia	567	28.1	54.3	28.1	17.6	0.0	21.0	34.5
Cyprus	588	18.5	63.6	18.5	16.3	1.5	17.0	20.1
Czech Republic	749	22.7	53.8	22.7	23.4	0.0	14.0	30.6
Denmark	529	19.0	60.3	19.0	18.4	2.3	15.9	22.2
England	562	29.1	62.1	29.1	8.6	0.2	22.7	34.9
Finland	712	37.0	52.3	37.0	10.7	0.1	29.6	43.4
France	690	17.2	58.4	17.2	21.1	3.3	19.6	15.0
Georgia	551	17.4	51.5	17.4	28.9	2.3	16.3	18.5
Germany	568	42.6	41.1	42.6	15.9	0.4	31.3	52.8
Hong Kong SAR	509	40.5	54.5	40.5	4.6	0.4	30.3	48.6
Hungary	719	28.2	59.3	28.2	11.7	0.8	18.8	38.5
Indonesia	563	12.0	69.4	12.0	17.0	1.6	10.1	13.6
Iran, Islamic Rep. of	545	24.6	45.5	24.6	27.2	2.7	20.5	28.8
Ireland	618	22.0	70.4	22.0	6.5	1.1	16.1	27.8
Italy	631	23.3	59.8	23.3	16.4	0.5	26.1	20.3
Japan	624	59.8	35.4	59.8	4.7	0.1	52.5	66.8
Kazakhstan	669	59.4	32.3	59.4	7.9	0.5	57.7	61.2
Korea, Rep. of	668	46.4	48.2	46.4	5.4	0.0	42.4	50.1
Kuwait	514	6.5	36.5	6.5	51.6	5.4	5.9	7.3
Lithuania	658	33.7	55.0	33.7	10.7	0.5	26.6	40.6
Morocco	723	19.9	48.8	19.9	28.0	3.3	17.0	22.7
Netherlands	647	15.4	78.5	15.4	5.2	0.8	8.7	22.0
New Zealand	900	17.0	72.0	17.0	9.5	1.5	13.0	20.5
Northern Ireland	443	20.6	71.9	20.6	6.8	0.7	14.5	25.8
Norway	617	18.5	72.6	18.5	8.8	0.1	11.2	25.7
Oman	1307	34.9	45.0	34.9	19.0	1.1	36.1	33.7
Poland	673	32.8	51.7	32.8	15.3	0.1	24.4	42.3
Portugal	664	9.5	78.9	9.5	11.1	0.5	9.4	9.5
Qatar	741	22.1	57.9	22.1	18.4	1.6	21.5	22.8
Russian Federation	701	49.8	41.4	49.8	8.4	0.5	44.4	54.9
Saudi Arabia	618	19.6	47.3	19.6	31.3	1.8	22.5	16.9
Serbia	586	54.2	32.1	54.2	12.4	1.3	47.0	60.9
Singapore	934	39.7	59.0	39.7	1.2	0.0	34.7	44.3
Slovak Republic	814	37.1	45.5	37.1	16.9	0.4	28.1	44.8
Slovenia	634	48.6	39.7	48.6	11.2	0.6	39.6	55.5
Spain	1108	18.6	67.7	18.6	12.8	0.8	14.8	22.4
Sweden	596	37.9	51.9	37.9	8.8	1.3	29.6	45.9
Turkey	918	24.3	64.3	24.3	11.2	0.2	22.5	26.1
United Arab Emirates	3015	21.6	58.7	21.6	19.0	0.7	20.1	23.1
United States	1428	29.5	65.2	29.5	4.2	1.1	26.2	33.5
International Avg (n=47)	36156	28.0	56.7	28.0	14.3	1.1	23.7	31.9
Buenos Aires, Argentina	418	14.3	40.7	14.3	34.0	11.1	14.6	14.0
Ontario, Canada	651	20.4	69.6	20.4	8.2	1.9	19.8	21.0
Quebec, Canada	401	20.5	71.3	20.5	7.7	0.5	15.2	24.6
Norway (4)	596	7.8	78.1	7.8	11.0	3.1	2.3	14.0
Abu Dhabi, UAE	713	14.9	65.5	14.9	19.0	0.6	12.0	17.8
Dubai, UAE	1058	34.1	54.6	34.1	10.8	0.6	33.8	34.4
Florida, US	291	23.2	72.9	23.2	2.9	0.9	18.6	27.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S02_10A (S061049A): Physical Science / Reasoning Type: MC Key: D
Label: Rock sliding on ice backwards

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	74.6	2.4	7.6	12.9	74.6	0.5	1.9	75.3	74.0
Bahrain	588	56.1	5.8	6.9	27.8	56.1	2.2	1.2	62.0	50.2
Belgium (Flemish)	770	63.6	5.5	3.7	25.9	63.6	0.9	0.4	60.5	66.6
Bulgaria	608	71.4	6.9	6.3	12.8	71.4	1.4	1.3	73.5	69.7
Canada	1742	75.9	3.3	5.0	12.5	75.9	1.0	2.3	75.9	76.2
Chile	650	65.4	4.1	3.9	22.0	65.4	1.7	2.9	63.2	67.3
Chinese Taipei	612	54.6	4.7	3.1	37.4	54.6	0.2	0.1	52.0	56.8
Croatia	567	72.5	5.1	9.7	12.2	72.5	0.6	0.0	69.4	75.3
Cyprus	588	63.1	4.8	10.6	17.9	63.1	1.0	2.6	63.8	62.5
Czech Republic	749	72.0	6.3	3.7	16.1	72.0	1.8	0.1	68.1	75.6
Denmark	529	68.0	3.1	3.3	20.5	68.0	2.1	2.9	69.8	66.1
England	562	81.5	3.3	7.6	6.2	81.5	1.1	0.3	80.3	82.6
Finland	712	70.6	4.5	13.4	8.8	70.6	2.6	0.1	70.5	70.7
France	690	64.5	5.2	7.9	15.9	64.5	2.8	3.6	65.4	63.5
Georgia	551	46.3	8.4	9.0	31.2	46.3	2.2	2.8	49.2	43.4
Germany	568	59.8	8.5	7.5	21.1	59.8	2.6	0.4	59.4	60.1
Hong Kong SAR	509	41.3	8.2	6.7	43.4	41.3	0.0	0.4	39.7	42.6
Hungary	719	80.4	4.6	5.5	7.5	80.4	0.8	1.4	78.5	82.4
Indonesia	563	21.4	10.4	4.3	61.3	21.4	1.0	1.6	17.0	25.1
Iran, Islamic Rep. of	545	25.8	18.0	7.9	41.7	25.8	3.3	3.4	27.4	24.2
Ireland	618	76.8	1.6	9.5	10.0	76.8	0.7	1.4	76.3	77.2
Italy	633	74.6	4.4	8.8	10.3	74.6	1.0	0.9	76.1	72.9
Japan	624	73.1	5.3	10.0	10.2	73.1	1.2	0.1	73.2	73.0
Kazakhstan	669	49.9	9.3	5.8	33.8	49.9	0.7	0.6	52.8	47.0
Korea, Rep. of	668	74.9	5.1	4.4	15.2	74.9	0.4	0.0	72.6	77.0
Kuwait	515	28.2	11.5	6.9	41.8	28.2	5.0	6.5	28.5	28.4
Lithuania	658	57.2	7.6	8.9	24.0	57.2	1.7	0.5	55.2	59.3
Morocco	723	29.5	7.9	11.2	45.0	29.5	2.4	4.1	27.8	31.1
Netherlands	644	66.4	3.5	10.5	18.9	66.4	0.5	0.3	63.4	69.3
New Zealand	900	71.0	2.2	8.5	15.1	71.0	1.7	1.5	75.6	66.9
Northern Ireland	437	81.9	2.9	6.3	8.3	81.9	0.6	0.0	84.4	79.7
Norway	617	73.3	4.6	8.2	12.9	73.3	0.8	0.2	71.2	75.4
Oman	1296	47.0	8.0	6.8	36.0	47.0	0.8	1.4	50.9	43.3
Poland	673	71.5	4.5	8.2	14.5	71.5	1.1	0.2	71.0	72.0
Portugal	664	80.0	2.8	7.0	7.3	80.0	2.2	0.7	81.8	78.4
Qatar	741	60.5	5.6	4.5	26.7	60.5	1.0	1.7	61.4	59.5
Russian Federation	701	76.8	6.3	4.9	10.3	76.8	1.1	0.6	73.2	80.3
Saudi Arabia	612	40.3	13.4	7.8	34.7	40.3	1.7	2.1	43.0	37.8
Serbia	586	75.3	3.0	7.9	10.6	75.3	1.9	1.4	70.3	79.8
Singapore	934	79.8	2.6	6.5	10.8	79.8	0.3	0.0	80.4	79.3
Slovak Republic	814	68.0	4.2	4.1	21.4	68.0	1.9	0.4	60.6	74.2
Slovenia	634	72.6	3.4	6.3	15.8	72.6	1.3	0.6	70.0	74.7
Spain	1108	60.5	6.5	7.4	23.9	60.5	0.8	0.9	56.6	64.4
Sweden	596	68.3	5.2	4.3	16.8	68.3	3.7	1.7	64.5	71.9
Turkey	918	59.0	7.0	7.9	25.4	59.0	0.3	0.3	57.7	60.3
United Arab Emirates	3015	56.3	7.5	6.9	26.4	56.3	1.9	0.9	57.1	55.7
United States	1428	80.2	2.5	3.6	10.9	80.2	1.6	1.2	80.6	79.7
International Avg (n=47)	36109	63.4	5.8	7.0	21.1	63.4	1.4	1.3	62.9	63.9
Buenos Aires, Argentina	418	48.4	4.6	3.5	22.6	48.4	8.9	11.8	48.9	48.1
Ontario, Canada	651	76.3	2.1	6.2	12.1	76.3	1.1	2.3	73.0	79.3
Quebec, Canada	401	74.4	6.1	2.8	15.6	74.4	0.6	0.6	80.6	69.5
Norway (4)	596	68.4	1.7	4.3	20.3	68.4	0.8	4.5	70.2	66.4
Abu Dhabi, UAE	713	53.3	9.0	6.5	27.4	53.3	3.0	0.7	55.7	51.0
Dubai, UAE	1058	67.9	5.3	6.5	18.4	67.9	1.1	0.7	68.0	67.9
Florida, US	291	78.6	2.2	4.3	12.4	78.6	1.5	0.9	80.6	76.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S02_10B (S061049B): Physical Science / Reasoning Type: MC Key: C
Label: Rock sliding on ice diagonally

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	60.4	17.9	8.5	60.4	9.2	2.0	2.0	56.9	64.0
Bahrain	588	41.0	26.0	17.1	41.0	10.5	3.9	1.5	40.0	42.0
Belgium (Flemish)	770	56.7	16.4	11.5	56.7	12.5	2.6	0.4	54.1	59.2
Bulgaria	608	55.5	18.9	11.5	55.5	7.4	5.5	1.3	52.7	57.9
Canada	1720	54.5	17.9	12.0	54.5	11.2	1.7	2.6	51.8	57.2
Chile	650	61.5	17.1	9.3	61.5	5.8	3.3	3.0	59.8	63.1
Chinese Taipei	612	51.8	23.3	16.1	51.8	8.1	0.6	0.1	50.7	52.8
Croatia	567	53.7	12.7	12.9	53.7	14.0	6.7	0.0	51.9	55.3
Cyprus	588	56.5	20.4	10.3	56.5	8.1	1.6	3.1	58.1	54.8
Czech Republic	749	67.6	14.1	6.9	67.6	5.5	5.8	0.1	67.0	68.1
Denmark	529	65.7	12.5	7.1	65.7	5.5	5.9	3.4	67.1	64.2
England	562	58.9	17.8	9.9	58.9	10.0	2.8	0.4	54.8	62.8
Finland	712	66.9	15.9	5.9	66.9	7.5	3.7	0.1	68.4	65.6
France	690	49.8	13.4	10.6	49.8	12.2	10.1	3.9	52.2	47.6
Georgia	551	39.5	22.4	15.6	39.5	13.4	6.1	3.0	39.8	39.2
Germany	568	59.8	18.0	8.1	59.8	8.3	5.1	0.6	60.8	58.7
Hong Kong SAR	509	60.3	14.5	14.1	60.3	10.2	0.4	0.4	62.8	58.4
Hungary	719	47.4	23.8	9.2	47.4	13.0	4.8	1.7	48.2	46.6
Indonesia	563	22.5	45.4	21.1	22.5	8.0	1.5	1.6	22.6	22.4
Iran, Islamic Rep. of	545	27.9	29.4	22.0	27.9	10.9	6.1	3.7	28.4	27.4
Ireland	618	59.6	13.6	10.5	59.6	12.0	2.6	1.6	53.8	65.4
Italy	633	61.1	14.9	9.2	61.1	8.2	5.7	0.9	62.6	59.6
Japan	624	63.4	14.1	8.8	63.4	11.0	2.4	0.3	62.5	64.3
Kazakhstan	669	45.7	24.6	16.9	45.7	9.9	2.1	0.8	45.4	46.0
Korea, Rep. of	668	75.7	12.2	5.6	75.7	5.6	0.9	0.0	74.4	76.8
Kuwait	515	25.3	25.6	23.5	25.3	9.2	9.8	6.7	28.2	22.5
Lithuania	658	47.5	23.6	12.5	47.5	10.4	5.4	0.5	46.4	48.5
Morocco	723	34.4	25.5	18.6	34.4	12.6	4.6	4.4	35.0	33.9
Netherlands	643	53.8	15.9	15.5	53.8	12.5	2.0	0.3	53.8	53.8
New Zealand	900	55.3	19.6	9.3	55.3	11.2	3.0	1.6	56.5	54.4
Northern Ireland	436	58.2	19.9	11.3	58.2	10.0	0.6	0.0	61.4	55.5
Norway	617	62.4	17.2	9.5	62.4	7.4	3.4	0.2	60.6	64.1
Oman	1294	36.8	28.3	20.8	36.8	10.2	2.3	1.6	35.9	37.6
Poland	673	68.9	13.3	7.7	68.9	5.6	4.0	0.5	69.8	67.8
Portugal	664	58.9	13.8	8.4	58.9	10.2	7.8	0.8	57.1	60.5
Qatar	741	42.6	24.4	17.6	42.6	9.6	3.8	2.0	41.3	43.9
Russian Federation	701	62.7	15.9	9.1	62.7	8.0	3.7	0.7	61.1	64.2
Saudi Arabia	612	36.8	25.9	16.8	36.8	14.0	4.0	2.5	41.2	32.7
Serbia	586	56.9	15.5	10.3	56.9	8.2	7.2	1.9	56.8	56.9
Singapore	934	64.4	17.2	9.0	64.4	8.9	0.4	0.0	65.0	63.9
Slovak Republic	814	55.2	20.9	11.7	55.2	5.9	5.9	0.4	53.6	56.6
Slovenia	634	58.8	16.2	8.9	58.8	10.9	4.6	0.6	58.0	59.4
Spain	1108	61.0	15.6	9.2	61.0	8.0	5.2	0.9	58.3	63.7
Sweden	596	59.1	16.3	8.8	59.1	8.2	5.9	1.8	54.8	63.3
Turkey	918	54.7	24.1	12.0	54.7	7.5	1.4	0.3	54.6	54.7
United Arab Emirates	3015	43.3	26.5	16.0	43.3	9.7	3.5	1.0	42.8	43.7
United States	1428	58.8	15.9	8.8	58.8	12.9	1.9	1.7	59.5	57.9
International Avg (n=47)	36083	53.6	19.5	12.0	53.6	9.6	3.9	1.4	53.2	54.0
Buenos Aires, Argentina	418	42.8	10.0	6.8	42.8	6.9	21.3	12.2	43.9	42.0
Ontario, Canada	647	55.2	18.2	11.9	55.2	10.5	1.6	2.5	52.8	57.5
Quebec, Canada	390	61.5	16.9	9.4	61.5	10.5	0.6	1.1	63.9	59.8
Norway (4)	596	48.9	22.0	11.1	48.9	8.3	5.1	4.7	46.6	51.5
Abu Dhabi, UAE	713	40.9	29.0	16.3	40.9	9.4	3.7	0.7	40.6	41.3
Dubai, UAE	1058	48.6	23.7	15.5	48.6	9.3	2.0	0.8	49.0	48.3
Florida, US	291	59.0	16.7	9.4	59.0	11.7	1.3	1.9	60.0	58.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S02_11 (S061098): Earth Science / Knowing Type: MC Key: B
Label: Wind shaping rocks in desert

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	42.7	20.5	42.7	9.2	22.1	3.4	2.1	45.5	39.8
Bahrain	588	36.3	23.8	36.3	16.1	20.5	1.8	1.5	37.5	35.0
Belgium (Flemish)	770	51.8	12.1	51.8	15.1	19.0	1.6	0.4	50.9	52.8
Bulgaria	608	51.2	13.6	51.2	18.3	13.9	1.8	1.3	56.6	46.6
Canada	1740	40.2	18.3	40.2	9.2	28.3	1.4	2.7	38.9	41.6
Chile	650	32.0	17.6	32.0	9.1	34.8	2.8	3.7	32.3	31.7
Chinese Taipei	612	40.9	6.2	40.9	2.5	49.5	0.7	0.1	40.6	41.2
Croatia	567	43.3	15.8	43.3	12.7	26.2	2.1	0.0	44.4	42.3
Cyprus	588	36.1	11.3	36.1	18.0	27.9	3.2	3.4	33.6	38.6
Czech Republic	749	54.3	15.4	54.3	13.4	15.5	1.2	0.2	53.1	55.4
Denmark	529	55.8	16.4	55.8	10.1	9.3	3.8	4.6	52.1	59.6
England	562	47.6	19.3	47.6	9.6	22.4	0.7	0.4	44.0	51.0
Finland	712	57.8	13.2	57.8	6.9	20.0	2.1	0.1	61.7	54.4
France	690	38.6	16.1	38.6	14.0	24.6	2.3	4.4	38.1	39.3
Georgia	551	24.0	17.0	24.0	17.7	34.3	3.8	3.3	21.3	26.7
Germany	568	48.9	14.3	48.9	13.9	18.5	3.7	0.7	47.9	50.0
Hong Kong SAR	509	59.6	17.0	59.6	8.5	13.5	1.1	0.4	63.3	56.7
Hungary	719	46.9	15.6	46.9	10.0	23.9	1.7	1.8	46.4	47.4
Indonesia	563	50.1	17.6	50.1	11.6	16.8	2.3	1.6	47.7	52.2
Iran, Islamic Rep. of	544	25.3	18.3	25.3	25.0	25.1	2.3	4.0	24.8	25.8
Ireland	618	38.0	21.6	38.0	12.2	25.7	0.8	1.6	33.0	42.9
Italy	633	35.2	13.8	35.2	18.0	28.6	2.8	1.6	34.4	36.1
Japan	624	57.6	11.0	57.6	19.4	10.5	1.2	0.3	54.6	60.5
Kazakhstan	669	52.8	18.7	52.8	10.7	16.6	0.3	0.9	49.5	56.1
Korea, Rep. of	668	50.2	17.1	50.2	6.6	24.7	1.1	0.2	47.4	52.7
Kuwait	515	29.7	28.4	29.7	11.8	15.7	6.9	7.5	30.8	29.0
Lithuania	658	42.8	17.6	42.8	12.0	25.2	1.8	0.5	40.9	44.7
Morocco	723	38.3	15.1	38.3	22.7	14.8	4.6	4.6	41.4	35.4
Netherlands	644	60.2	13.0	60.2	15.9	9.4	1.1	0.5	58.9	61.5
New Zealand	900	33.7	21.9	33.7	14.6	25.4	2.6	1.7	33.5	33.9
Northern Ireland	437	40.2	19.6	40.2	17.7	22.5	0.0	0.0	41.9	38.8
Norway	617	48.1	15.4	48.1	14.9	19.8	1.6	0.2	48.4	47.8
Oman	1299	34.2	16.8	34.2	18.2	26.9	2.4	1.6	31.9	36.4
Poland	673	37.9	24.5	37.9	10.3	24.5	2.1	0.7	39.1	36.6
Portugal	664	51.5	16.4	51.5	11.1	16.9	3.3	0.9	52.3	50.8
Qatar	741	37.9	19.8	37.9	11.6	25.2	2.8	2.6	36.0	39.8
Russian Federation	701	45.9	11.1	45.9	13.5	27.6	1.2	0.7	41.8	49.8
Saudi Arabia	614	37.4	26.0	37.4	10.5	20.8	2.4	2.8	41.1	34.0
Serbia	586	27.0	21.1	27.0	11.0	34.9	3.7	2.2	23.9	29.8
Singapore	934	51.5	21.8	51.5	12.8	13.1	0.7	0.0	53.4	49.7
Slovak Republic	814	38.5	25.9	38.5	10.1	22.8	2.2	0.4	34.9	41.6
Slovenia	634	34.5	16.0	34.5	12.9	33.8	2.0	0.8	35.5	33.7
Spain	1108	33.2	16.7	33.2	24.4	22.8	2.0	0.9	31.6	34.7
Sweden	596	58.3	15.0	58.3	7.3	15.6	1.5	2.3	62.1	54.6
Turkey	918	32.9	19.4	32.9	11.6	34.7	0.9	0.5	34.4	31.5
United Arab Emirates	3015	37.7	24.5	37.7	14.8	19.7	2.1	1.2	40.4	35.2
United States	1428	47.4	25.6	47.4	6.8	16.1	2.1	1.9	49.4	45.0
International Avg (n=47)	36111	42.9	17.7	42.9	13.1	22.6	2.1	1.6	42.6	43.2
Buenos Aires, Argentina	418	20.7	12.1	20.7	8.1	35.2	10.7	13.2	20.2	21.2
Ontario, Canada	650	43.0	21.1	43.0	11.5	19.7	2.0	2.7	42.0	44.2
Quebec, Canada	400	35.2	10.1	35.2	5.1	48.2	0.4	1.1	31.2	38.4
Norway (4)	596	29.7	21.1	29.7	18.4	24.2	1.8	4.9	31.9	27.1
Abu Dhabi, UAE	713	37.9	21.3	37.9	15.5	21.8	2.4	1.1	42.3	33.8
Dubai, UAE	1058	38.6	29.2	38.6	10.5	19.4	1.5	0.9	37.9	39.2
Florida, US	291	49.0	19.1	49.0	7.7	20.2	1.5	2.5	50.0	48.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S02_12 (S061172): Earth Science / Knowing Type: CR 1 Point
Label: Stars during the day

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	861	35.4	57.6	35.4	3.7	3.4	34.0	36.9
Bahrain	588	28.3	59.9	28.3	9.7	2.1	35.0	21.5
Belgium (Flemish)	770	29.5	64.2	29.5	5.2	1.1	29.9	29.0
Bulgaria	608	43.6	37.9	43.6	16.9	1.6	48.5	39.5
Canada	1744	34.3	56.7	34.3	6.0	3.1	33.9	34.8
Chile	650	20.3	65.7	20.3	9.3	4.7	17.4	23.0
Chinese Taipei	612	54.6	40.0	54.6	5.4	0.1	45.1	62.5
Croatia	567	18.0	76.0	18.0	5.9	0.1	14.7	21.0
Cyprus	588	26.0	61.0	26.0	8.3	4.7	26.8	25.2
Czech Republic	749	14.0	75.7	14.0	9.8	0.5	14.7	13.3
Denmark	529	31.9	54.3	31.9	8.3	5.4	32.1	31.7
England	562	34.2	62.3	34.2	2.8	0.7	37.3	31.4
Finland	712	37.8	56.4	37.8	5.5	0.3	36.4	39.0
France	690	13.6	71.6	13.6	9.4	5.3	13.4	13.5
Georgia	551	18.1	66.7	18.1	10.9	4.2	21.8	14.4
Germany	568	34.6	54.1	34.6	9.9	1.4	30.8	38.2
Hong Kong SAR	509	49.7	47.0	49.7	2.4	1.0	50.4	49.1
Hungary	719	49.4	43.4	49.4	4.3	2.9	45.3	54.0
Indonesia	563	19.7	66.9	19.7	10.3	3.1	20.8	18.7
Iran, Islamic Rep. of	544	9.6	71.2	9.6	14.3	4.9	6.3	12.9
Ireland	618	43.5	49.9	43.5	4.6	2.1	42.4	44.5
Italy	632	25.4	65.9	25.4	6.8	2.0	26.3	24.4
Japan	624	19.1	76.6	19.1	3.8	0.6	17.2	20.9
Kazakhstan	669	46.9	46.9	46.9	5.2	0.9	43.0	50.9
Korea, Rep. of	668	25.9	71.8	25.9	1.6	0.7	24.0	27.6
Kuwait	515	13.0	37.5	13.0	40.1	9.4	15.5	10.5
Lithuania	658	36.4	59.2	36.4	3.2	1.2	34.6	38.2
Morocco	723	6.0	64.7	6.0	23.9	5.5	5.3	6.6
Netherlands	648	22.4	72.7	22.4	3.7	1.2	21.2	23.6
New Zealand	900	31.6	58.6	31.6	6.7	3.2	29.4	33.4
Northern Ireland	443	38.4	56.1	38.4	4.7	0.7	37.6	39.1
Norway	617	36.4	60.6	36.4	2.6	0.4	35.2	37.7
Oman	1305	23.8	59.2	23.8	14.7	2.3	24.4	23.3
Poland	673	19.9	72.2	19.9	6.6	1.3	16.5	23.7
Portugal	664	26.7	67.1	26.7	4.5	1.7	22.7	30.5
Qatar	741	16.6	67.5	16.6	11.9	4.0	18.2	15.1
Russian Federation	701	25.6	67.4	25.6	6.0	1.0	24.0	27.2
Saudi Arabia	618	22.1	54.8	22.1	19.3	3.9	24.3	20.0
Serbia	586	36.0	52.0	36.0	8.5	3.4	36.8	35.4
Singapore	934	41.1	57.5	41.1	1.1	0.3	37.5	44.3
Slovak Republic	814	38.1	54.2	38.1	6.9	0.8	38.0	38.1
Slovenia	634	41.7	51.0	41.7	5.7	1.6	38.7	44.1
Spain	1108	30.3	65.5	30.3	2.5	1.7	30.6	30.0
Sweden	596	38.0	56.3	38.0	3.1	2.6	40.8	35.4
Turkey	918	26.9	68.3	26.9	4.2	0.7	27.9	25.9
United Arab Emirates	3015	22.5	61.1	22.5	14.5	1.9	23.9	21.2
United States	1428	32.5	60.7	32.5	4.6	2.3	33.1	31.8
International Avg (n=47)	36134	29.6	60.1	29.6	8.1	2.3	29.0	30.1
Buenos Aires, Argentina	418	23.8	40.8	23.8	19.6	15.8	17.2	29.3
Ontario, Canada	651	37.7	53.5	37.7	5.5	3.3	35.7	39.6
Quebec, Canada	401	26.3	67.4	26.3	5.2	1.2	30.5	22.9
Norway (4)	596	31.2	58.5	31.2	5.1	5.2	29.5	33.2
Abu Dhabi, UAE	713	16.9	64.1	16.9	17.3	1.8	16.6	17.1
Dubai, UAE	1058	34.6	56.5	34.6	7.4	1.5	37.6	31.8
Florida, US	291	36.6	55.3	36.6	5.4	2.7	31.5	41.5

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S03_01 (S051041): Life Science / Knowing Type: MC Key: C
Label: Which is a mammal

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	63.3	8.6	14.1	63.3	11.3	2.7	0.1	67.4	59.4
Bahrain	592	53.0	14.5	14.3	53.0	14.4	3.3	0.6	56.9	49.2
Belgium (Flemish)	775	44.1	9.0	17.9	44.1	17.1	11.9	0.1	46.1	42.2
Bulgaria	608	73.6	2.9	13.2	73.6	8.1	2.1	0.0	75.4	72.1
Canada	1702	64.3	7.1	13.4	64.3	12.4	2.1	0.6	65.5	63.1
Chile	677	47.3	9.7	25.1	47.3	16.2	1.1	0.6	43.5	51.2
Chinese Taipei	606	77.9	2.6	10.4	77.9	4.6	4.4	0.0	78.6	77.3
Croatia	565	36.0	22.5	19.2	36.0	18.8	3.5	0.0	38.8	33.3
Cyprus	585	49.1	12.1	23.5	49.1	11.2	3.8	0.3	53.1	45.4
Czech Republic	731	86.0	3.6	5.8	86.0	3.3	1.3	0.0	87.9	84.1
Denmark	533	70.1	4.5	14.1	70.1	7.3	3.4	0.6	73.6	66.6
England	569	63.1	6.6	12.3	63.1	14.9	3.1	0.1	65.4	61.1
Finland	720	60.2	15.1	10.1	60.2	7.1	7.3	0.2	66.1	54.7
France	696	43.5	10.6	14.0	43.5	26.0	5.7	0.3	45.2	41.5
Georgia	562	70.2	2.0	11.2	70.2	10.2	5.5	0.8	66.0	74.5
Germany	564	45.3	13.1	17.7	45.3	15.3	8.6	0.0	45.8	44.8
Hong Kong SAR	507	51.7	6.1	26.7	51.7	14.5	1.0	0.0	47.8	54.4
Hungary	725	76.7	5.3	6.0	76.7	0.9	11.0	0.1	79.6	73.7
Indonesia	567	67.4	4.3	18.9	67.4	7.6	1.8	0.0	70.1	64.9
Iran, Islamic Rep. of	547	52.9	6.8	16.9	52.9	17.4	5.7	0.3	48.6	56.8
Ireland	620	53.2	5.4	18.7	53.2	19.5	2.8	0.3	50.8	55.3
Italy	633	63.5	4.8	13.2	63.5	15.5	3.0	0.0	64.9	62.2
Japan	627	26.2	30.2	17.9	26.2	15.5	9.9	0.3	20.7	31.3
Kazakhstan	676	86.1	6.1	4.2	86.1	3.5	0.1	0.0	85.5	86.8
Korea, Rep. of	669	35.5	38.7	7.9	35.5	17.7	0.2	0.0	33.6	37.2
Kuwait	499	31.5	20.0	15.6	31.5	19.5	12.1	1.3	32.9	30.4
Lithuania	657	54.0	15.5	20.8	54.0	5.6	4.1	0.0	58.2	49.8
Morocco	716	50.4	11.0	15.4	50.4	11.9	10.3	1.1	53.8	47.2
Netherlands	653	44.2	10.4	15.8	44.2	19.6	10.0	0.1	44.7	43.7
New Zealand	904	54.9	8.2	15.3	54.9	18.0	3.2	0.4	57.7	52.3
Northern Ireland	427	60.7	5.7	11.9	60.7	20.4	1.4	0.0	62.3	59.5
Norway	617	46.3	16.7	18.6	46.3	7.1	11.2	0.1	48.3	44.3
Oman	1287	51.1	15.8	14.9	51.1	16.3	1.6	0.2	53.4	48.6
Poland	674	70.8	6.4	13.4	70.8	4.1	5.3	0.0	72.5	69.1
Portugal	659	62.1	5.6	11.9	62.1	17.0	3.4	0.0	61.5	62.7
Qatar	739	55.9	13.5	16.9	55.9	9.9	3.2	0.6	57.0	54.7
Russian Federation	705	53.9	19.8	14.2	53.9	9.1	2.9	0.2	53.1	54.6
Saudi Arabia	615	47.7	24.6	11.5	47.7	12.6	3.2	0.4	46.9	48.6
Serbia	583	53.1	11.5	13.2	53.1	15.5	6.7	0.0	54.6	51.7
Singapore	929	83.8	0.8	8.0	83.8	7.4	0.1	0.0	81.7	85.7
Slovak Republic	813	68.4	5.7	18.0	68.4	5.2	2.7	0.0	71.6	65.5
Slovenia	624	54.1	16.9	9.2	54.1	16.2	3.6	0.0	55.6	52.8
Spain	1112	70.0	3.5	9.9	70.0	9.1	7.5	0.0	66.5	73.3
Sweden	599	51.9	20.0	11.9	51.9	7.6	8.4	0.1	50.8	53.1
Turkey	910	53.7	8.6	22.7	53.7	13.8	1.1	0.1	51.6	55.9
United Arab Emirates	3017	55.2	13.0	15.7	55.2	12.3	3.8	0.1	57.6	52.8
United States	1419	66.9	6.1	13.5	66.9	10.4	2.8	0.2	66.9	66.9
International Avg (n=47)	36055	57.5	10.9	14.6	57.5	12.3	4.5	0.2	58.2	56.7
Buenos Aires, Argentina	437	46.1	10.2	15.1	46.1	15.5	11.9	1.2	40.2	50.8
Ontario, Canada	644	66.9	7.1	12.0	66.9	11.0	2.3	0.7	71.0	63.1
Quebec, Canada	378	59.0	7.0	14.3	59.0	17.5	2.0	0.1	58.5	59.6
Norway (4)	587	41.8	27.1	14.1	41.8	7.9	8.9	0.2	43.7	40.0
Abu Dhabi, UAE	713	51.5	15.3	14.8	51.5	13.5	4.7	0.2	56.3	46.9
Dubai, UAE	1060	62.2	8.5	16.3	62.2	10.4	2.7	0.0	65.3	59.3
Florida, US	287	68.9	4.8	13.8	68.9	11.0	1.5	0.0	70.0	67.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_02 (S051037): Life Science / Knowing Type: CR 1 Point
Label: Body changes from running

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	59.4	22.7	13.8	59.4	3.8	0.3	64.8	54.4
Bahrain	592	40.2	19.7	28.8	40.2	10.8	0.6	45.2	35.3
Belgium (Flemish)	775	49.5	29.3	16.8	49.5	4.3	0.1	51.6	47.5
Bulgaria	608	52.7	21.1	12.5	52.7	13.8	0.0	59.1	47.0
Canada	1749	53.9	23.7	16.4	53.9	4.7	1.3	57.4	50.5
Chile	677	42.5	26.7	18.7	42.5	11.2	0.9	43.7	41.1
Chinese Taipei	606	42.1	27.6	24.4	42.1	5.9	0.0	44.2	40.3
Croatia	565	65.6	22.7	7.7	65.6	3.8	0.1	66.3	65.0
Cyprus	585	48.1	24.0	16.6	48.1	10.9	0.3	50.6	45.8
Czech Republic	731	65.9	18.6	7.3	65.9	8.2	0.0	66.0	65.8
Denmark	533	51.5	26.4	15.1	51.5	6.4	0.6	57.1	45.8
England	569	69.4	18.6	8.9	69.4	3.1	0.1	72.2	66.9
Finland	720	61.5	24.9	8.8	61.5	4.6	0.2	65.7	57.5
France	695	46.2	19.1	20.1	46.2	14.1	0.5	45.7	46.9
Georgia	562	48.7	26.4	12.1	48.7	11.8	0.9	49.0	48.4
Germany	564	43.7	18.4	27.3	43.7	10.6	0.0	43.8	43.4
Hong Kong SAR	507	58.2	23.6	13.7	58.2	4.5	0.0	55.8	59.8
Hungary	725	60.3	20.5	14.8	60.3	4.1	0.3	60.8	59.9
Indonesia	567	22.2	20.3	45.8	22.2	11.3	0.4	25.3	19.2
Iran, Islamic Rep. of	547	30.8	23.1	25.2	30.8	20.5	0.5	34.4	27.4
Ireland	620	66.1	17.2	13.4	66.1	3.0	0.3	64.8	67.1
Italy	633	56.9	21.9	12.4	56.9	8.9	0.0	55.9	57.7
Japan	627	79.3	12.5	4.7	79.3	3.3	0.3	81.8	77.0
Kazakhstan	676	77.4	10.4	7.8	77.4	4.4	0.0	79.7	75.0
Korea, Rep. of	669	54.1	30.1	15.2	54.1	0.5	0.1	56.2	52.1
Kuwait	499	12.1	13.9	34.5	12.1	38.2	1.3	11.3	13.0
Lithuania	657	48.8	25.5	19.2	48.8	6.5	0.0	52.8	44.9
Morocco	716	12.3	16.1	43.0	12.3	27.3	1.3	9.2	15.1
Netherlands	654	63.3	24.7	9.2	63.3	2.6	0.1	70.6	56.5
New Zealand	904	44.8	25.0	25.4	44.8	4.3	0.5	48.3	41.5
Northern Ireland	432	59.6	20.0	15.5	59.6	4.9	0.0	57.8	60.9
Norway	617	62.2	24.4	11.1	62.2	2.3	0.1	66.7	57.9
Oman	1294	26.4	15.7	45.9	26.4	11.8	0.2	29.2	23.3
Poland	674	66.3	21.3	5.7	66.3	6.7	0.0	66.9	65.6
Portugal	659	60.7	17.8	15.5	60.7	5.9	0.2	63.8	57.6
Qatar	739	26.1	22.3	34.9	26.1	16.1	0.6	28.7	23.4
Russian Federation	705	65.3	18.2	8.8	65.3	7.4	0.2	64.2	66.3
Saudi Arabia	629	21.1	16.5	35.7	21.1	25.9	0.8	25.4	16.8
Serbia	583	48.4	27.6	11.6	48.4	12.2	0.2	47.0	49.6
Singapore	929	69.7	15.8	13.1	69.7	1.4	0.0	70.1	69.4
Slovak Republic	813	57.8	20.2	12.8	57.8	9.2	0.0	60.7	55.3
Slovenia	623	56.6	24.9	12.3	56.6	6.0	0.1	56.7	56.6
Spain	1112	52.1	22.1	20.7	52.1	5.1	0.0	53.2	51.1
Sweden	599	67.5	18.5	9.0	67.5	4.6	0.4	69.2	65.8
Turkey	910	50.1	28.7	17.1	50.1	3.9	0.2	51.0	49.1
United Arab Emirates	3017	37.6	20.1	29.6	37.6	12.6	0.1	42.1	33.3
United States	1419	63.2	20.9	13.8	63.2	2.0	0.2	66.7	59.2
International Avg (n=47)	36127	51.4	21.5	18.1	51.4	8.6	0.3	53.4	49.6
Buenos Aires, Argentina	437	28.1	19.3	22.6	28.1	28.5	1.5	29.2	27.3
Ontario, Canada	651	53.5	25.5	15.5	53.5	4.2	1.4	58.2	49.0
Quebec, Canada	395	57.3	22.8	13.0	57.3	5.4	1.5	59.2	55.3
Norway (4)	587	57.3	26.8	10.3	57.3	5.3	0.3	64.9	49.8
Abu Dhabi, UAE	713	30.0	21.6	35.3	30.0	12.8	0.2	33.7	26.5
Dubai, UAE	1060	53.5	20.3	19.7	53.5	6.5	0.0	58.9	48.2
Florida, US	287	67.8	20.8	9.5	67.8	1.6	0.3	71.1	64.4

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S03_03 (S051008): Life Science / Reasoning Type: CR 1 Point
Label: Pots with and without fertilizer

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	25.0	72.2	25.0	2.4	0.5	30.3	20.0
Bahrain	592	14.4	79.5	14.4	5.0	1.1	15.3	13.5
Belgium (Flemish)	775	32.1	63.8	32.1	3.9	0.1	40.3	24.4
Bulgaria	608	19.1	74.6	19.1	6.3	0.0	19.0	19.1
Canada	1749	19.6	76.4	19.6	2.4	1.5	23.7	15.6
Chile	678	5.9	85.2	5.9	6.8	2.1	7.4	4.5
Chinese Taipei	606	32.8	65.9	32.8	1.3	0.0	35.3	30.6
Croatia	565	30.8	64.6	30.8	4.5	0.1	35.6	26.0
Cyprus	585	16.6	77.8	16.6	5.0	0.7	20.2	13.1
Czech Republic	731	20.3	72.9	20.3	6.6	0.1	25.0	15.7
Denmark	533	29.5	65.0	29.5	4.6	0.9	35.9	22.9
England	569	30.4	66.8	30.4	2.8	0.1	37.9	23.6
Finland	720	36.1	61.0	36.1	2.8	0.2	43.7	28.8
France	696	19.7	74.5	19.7	5.3	0.6	19.4	20.0
Georgia	562	8.8	80.8	8.8	9.1	1.3	8.2	9.5
Germany	564	31.1	64.7	31.1	4.1	0.0	36.8	26.3
Hong Kong SAR	507	36.0	63.8	36.0	0.2	0.0	39.2	33.9
Hungary	725	23.7	71.8	23.7	4.3	0.3	23.9	23.4
Indonesia	567	6.7	89.5	6.7	3.3	0.5	8.1	5.4
Iran, Islamic Rep. of	547	11.2	79.7	11.2	7.3	1.8	13.4	9.2
Ireland	620	21.9	75.1	21.9	2.7	0.3	20.6	22.9
Italy	633	13.1	78.8	13.1	7.9	0.2	17.4	9.2
Japan	628	48.8	46.6	48.8	3.8	0.9	52.7	45.1
Kazakhstan	676	57.7	40.7	57.7	1.3	0.2	59.1	56.3
Korea, Rep. of	669	43.1	56.1	43.1	0.7	0.1	46.2	40.1
Kuwait	499	4.4	79.9	4.4	13.8	2.0	4.8	3.9
Lithuania	657	24.5	72.1	24.5	3.3	0.1	30.2	18.9
Morocco	718	8.7	77.6	8.7	12.1	1.5	8.6	8.8
Netherlands	654	23.7	74.6	23.7	1.7	0.1	26.2	21.3
New Zealand	904	19.5	78.1	19.5	1.8	0.6	21.3	17.8
Northern Ireland	432	24.1	74.4	24.1	1.1	0.4	29.7	19.9
Norway	617	31.9	67.0	31.9	1.0	0.1	35.3	28.7
Oman	1294	6.6	89.1	6.6	3.9	0.4	7.9	5.1
Poland	674	24.2	71.7	24.2	4.1	0.0	27.1	21.1
Portugal	659	11.6	85.9	11.6	2.0	0.5	11.8	11.3
Qatar	739	13.7	79.8	13.7	6.0	0.6	19.1	7.9
Russian Federation	706	29.8	67.8	29.8	2.3	0.2	30.5	29.1
Saudi Arabia	629	5.8	80.8	5.8	11.8	1.5	9.4	2.3
Serbia	583	20.3	73.6	20.3	5.9	0.2	22.4	18.4
Singapore	929	58.8	41.2	58.8	0.0	0.0	61.9	56.1
Slovak Republic	813	13.7	81.2	13.7	5.0	0.1	17.0	10.9
Slovenia	624	22.3	72.7	22.3	4.8	0.2	27.6	17.8
Spain	1112	18.7	75.6	18.7	5.6	0.1	18.3	19.0
Sweden	599	35.5	59.6	35.5	4.4	0.4	42.2	29.1
Turkey	910	12.9	83.5	12.9	3.4	0.2	15.3	10.6
United Arab Emirates	3017	12.8	83.2	12.8	3.8	0.2	12.2	13.4
United States	1419	22.4	75.7	22.4	1.5	0.3	23.7	21.0
International Avg (n=47)	36134	23.0	72.2	23.0	4.3	0.5	25.9	20.3
Buenos Aires, Argentina	437	7.0	63.8	7.0	26.1	3.1	8.5	5.9
Ontario, Canada	651	19.7	77.1	19.7	1.5	1.7	22.9	16.7
Quebec, Canada	395	22.9	71.4	22.9	4.0	1.7	27.9	17.5
Norway (4)	587	18.0	77.0	18.0	4.5	0.5	17.2	18.7
Abu Dhabi, UAE	713	9.5	86.2	9.5	3.8	0.6	8.2	10.7
Dubai, UAE	1060	21.4	76.9	21.4	1.7	0.0	22.0	20.8
Florida, US	287	25.4	72.0	25.4	2.3	0.3	27.8	22.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S03_04 (S051004): Life Science / Applying Type: MC Key: A
Label: Birds similar color as environment

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	74.1	74.1	3.5	8.6	10.5	2.8	0.5	72.7	75.4
Bahrain	592	51.6	51.6	8.0	22.6	14.6	2.1	1.2	56.0	47.3
Belgium (Flemish)	775	72.9	72.9	7.9	5.8	10.8	2.4	0.3	75.3	70.8
Bulgaria	608	72.2	72.2	7.7	8.3	9.7	2.1	0.0	75.8	69.0
Canada	1742	71.6	71.6	3.5	7.0	12.9	3.1	1.9	74.2	69.3
Chile	678	62.5	62.5	8.7	14.8	7.8	3.2	2.9	60.4	64.6
Chinese Taipei	606	77.7	77.7	2.9	10.8	6.5	2.0	0.0	78.9	76.7
Croatia	565	76.9	76.9	2.5	7.1	12.3	1.2	0.1	75.3	78.4
Cyprus	585	65.8	65.8	9.8	12.3	9.2	2.0	0.8	68.5	63.3
Czech Republic	731	85.4	85.4	4.0	5.0	4.8	0.6	0.2	89.5	81.4
Denmark	533	70.7	70.7	2.6	14.8	8.1	2.2	1.6	68.0	73.4
England	569	71.3	71.3	4.3	8.4	13.3	2.6	0.2	73.7	69.1
Finland	720	86.7	86.7	2.0	3.6	5.6	1.6	0.4	88.4	85.1
France	696	53.7	53.7	11.1	11.1	18.8	3.8	1.4	53.1	54.4
Georgia	562	58.9	58.9	5.8	22.0	9.0	3.0	1.3	59.9	57.9
Germany	564	71.6	71.6	4.6	6.9	12.0	4.6	0.2	70.8	72.2
Hong Kong SAR	507	81.9	81.9	1.8	9.1	5.8	1.4	0.0	80.3	82.9
Hungary	725	78.2	78.2	5.6	6.7	4.9	4.1	0.5	77.9	78.4
Indonesia	567	29.5	29.5	12.5	23.5	31.9	2.0	0.5	33.1	26.2
Iran, Islamic Rep. of	547	49.7	49.7	7.1	16.2	22.4	2.4	2.2	52.6	47.0
Ireland	620	70.0	70.0	4.0	11.0	12.3	2.3	0.3	67.1	72.5
Italy	633	73.8	73.8	8.3	5.5	8.9	3.2	0.4	75.0	72.6
Japan	628	79.4	79.4	0.7	1.6	14.0	3.4	0.9	84.7	74.4
Kazakhstan	676	82.1	82.1	4.8	6.8	5.4	0.4	0.5	84.2	79.9
Korea, Rep. of	669	91.0	91.0	1.4	1.0	6.2	0.3	0.1	90.7	91.3
Kuwait	499	45.4	45.4	12.6	20.1	10.5	9.4	2.0	45.6	45.9
Lithuania	657	75.2	75.2	3.5	5.9	12.9	2.3	0.1	77.7	72.8
Morocco	718	35.0	35.0	18.0	23.6	17.2	4.7	1.6	34.6	35.4
Netherlands	654	81.4	81.4	4.0	3.7	8.6	2.2	0.1	85.4	77.7
New Zealand	904	66.3	66.3	6.6	10.4	13.6	2.4	0.7	63.6	68.9
Northern Ireland	422	75.7	75.7	1.7	9.0	13.4	0.2	0.0	77.3	74.5
Norway	617	75.3	75.3	3.0	8.7	11.3	1.5	0.2	76.6	74.0
Oman	1293	52.1	52.1	12.3	19.0	13.1	2.7	0.6	52.5	51.7
Poland	674	83.6	83.6	9.0	3.3	1.6	2.3	0.1	83.7	83.5
Portugal	659	48.5	48.5	9.2	21.4	17.1	3.0	0.7	48.4	48.6
Qatar	739	45.5	45.5	10.2	24.7	15.9	3.1	0.7	46.8	44.1
Russian Federation	706	82.3	82.3	3.1	3.0	8.8	2.5	0.2	82.5	82.2
Saudi Arabia	627	44.3	44.3	12.1	24.3	13.5	3.8	2.1	42.4	46.1
Serbia	583	71.4	71.4	5.1	10.3	9.7	3.1	0.4	73.6	69.4
Singapore	929	78.8	78.8	3.4	12.0	5.5	0.3	0.0	80.2	77.5
Slovak Republic	813	66.7	66.7	7.7	12.1	10.6	2.4	0.4	69.5	64.2
Slovenia	624	80.7	80.7	5.9	3.6	7.1	2.4	0.3	83.5	78.2
Spain	1112	55.4	55.4	6.2	20.8	12.5	4.6	0.5	57.0	53.8
Sweden	599	71.7	71.7	3.7	7.8	10.9	5.4	0.5	78.4	65.0
Turkey	910	60.1	60.1	4.6	18.5	16.2	0.2	0.4	55.5	64.6
United Arab Emirates	3017	48.9	48.9	10.8	24.0	13.2	3.0	0.2	51.0	46.8
United States	1419	81.1	81.1	2.1	7.9	6.2	2.1	0.4	80.4	82.0
International Avg (n=47)	36114	67.8	67.8	6.2	11.6	11.2	2.6	0.7	68.8	66.8
Buenos Aires, Argentina	437	33.6	33.6	8.6	18.8	16.6	17.7	4.7	28.6	37.6
Ontario, Canada	651	71.0	71.0	2.9	7.0	14.3	3.0	1.8	71.1	70.9
Quebec, Canada	392	72.1	72.1	3.8	6.0	13.3	2.6	2.2	78.0	65.9
Norway (4)	587	60.1	60.1	7.8	11.8	16.9	2.6	0.8	60.7	59.5
Abu Dhabi, UAE	713	42.4	42.4	13.9	25.8	13.3	4.0	0.6	46.0	38.9
Dubai, UAE	1060	64.1	64.1	6.2	17.3	10.5	1.7	0.1	65.8	62.5
Florida, US	287	83.0	83.0	2.4	7.1	4.0	2.4	1.0	80.8	85.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_05A (S051026A): Life Science / Reasoning Type: MC Key: A
Label: T/F about predator/prey: sharp teeth

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	77.7	77.7	18.4	3.3	0.7	76.9	78.3
Bahrain	592	72.4	72.4	20.2	6.1	1.3	73.0	71.8
Belgium (Flemish)	775	66.9	66.9	28.5	4.2	0.5	61.1	72.4
Bulgaria	608	80.8	80.8	14.1	5.1	0.0	82.2	79.6
Canada	1747	77.6	77.6	17.0	2.9	2.5	74.9	80.2
Chile	678	81.4	81.4	8.2	6.4	3.9	82.6	80.1
Chinese Taipei	606	86.8	86.8	12.4	0.8	0.0	85.3	88.0
Croatia	565	81.2	81.2	16.0	2.7	0.1	79.0	83.5
Cyprus	585	80.5	80.5	14.7	3.5	1.3	82.4	78.8
Czech Republic	731	56.2	56.2	40.6	2.9	0.3	49.6	62.8
Denmark	533	67.1	67.1	26.7	4.2	1.9	68.6	65.6
England	569	80.3	80.3	17.2	2.1	0.4	79.9	80.7
Finland	720	68.6	68.6	29.7	1.2	0.5	66.7	70.3
France	696	66.4	66.4	29.9	1.9	1.8	62.9	70.3
Georgia	562	62.9	62.9	16.2	19.5	1.4	65.9	59.8
Germany	564	73.5	73.5	23.7	2.6	0.2	68.9	77.3
Hong Kong SAR	507	74.5	74.5	25.0	0.5	0.0	71.4	76.7
Hungary	725	78.5	78.5	16.4	4.2	0.9	75.7	81.4
Indonesia	567	57.4	57.4	26.3	15.8	0.5	53.1	61.5
Iran, Islamic Rep. of	547	52.3	52.3	32.9	12.4	2.5	49.2	55.1
Ireland	620	76.3	76.3	21.6	1.7	0.3	69.6	82.0
Italy	633	89.2	89.2	8.4	1.5	0.8	86.1	92.2
Japan	628	88.9	88.9	8.8	1.4	0.9	88.7	89.0
Kazakhstan	676	73.9	73.9	20.9	4.7	0.5	71.9	76.1
Korea, Rep. of	669	73.7	73.7	25.9	0.3	0.1	73.2	74.2
Kuwait	499	64.2	64.2	21.4	12.4	2.0	65.5	63.8
Lithuania	657	79.9	79.9	17.3	2.7	0.1	76.0	83.6
Morocco	714	58.7	58.7	21.7	17.2	2.4	53.2	63.8
Netherlands	654	74.6	74.6	23.8	1.2	0.4	70.7	78.2
New Zealand	904	73.8	73.8	19.6	5.7	0.9	70.6	76.8
Northern Ireland	423	76.7	76.7	23.0	0.3	0.0	77.7	76.0
Norway	617	75.4	75.4	21.5	2.8	0.4	70.6	79.9
Oman	1283	66.4	66.4	22.3	10.4	0.9	67.8	64.9
Poland	674	67.4	67.4	29.5	2.9	0.3	64.3	70.7
Portugal	659	82.6	82.6	14.8	1.6	1.0	83.5	81.8
Qatar	739	70.1	70.1	18.0	11.0	0.9	71.6	68.4
Russian Federation	706	75.2	75.2	20.4	3.8	0.6	74.2	76.2
Saudi Arabia	622	69.3	69.3	15.5	12.9	2.3	74.1	64.6
Serbia	583	68.0	68.0	25.5	5.9	0.6	64.9	70.9
Singapore	929	62.3	62.3	37.3	0.4	0.0	60.2	64.1
Slovak Republic	813	76.7	76.7	18.3	4.4	0.6	75.8	77.5
Slovenia	624	74.0	74.0	24.0	1.6	0.4	68.0	79.0
Spain	1112	83.2	83.2	12.4	3.6	0.8	82.9	83.6
Sweden	599	70.7	70.7	25.9	2.7	0.8	66.1	75.3
Turkey	910	74.2	74.2	22.9	2.5	0.4	70.0	78.4
United Arab Emirates	3017	74.5	74.5	18.5	6.6	0.4	76.0	73.1
United States	1419	76.1	76.1	20.8	2.2	0.9	75.1	77.3
International Avg (n=47)	36101	73.2	73.2	21.1	4.8	0.9	71.4	74.8
Buenos Aires, Argentina	437	63.9	63.9	8.1	22.5	5.5	57.5	68.9
Ontario, Canada	651	80.3	80.3	14.2	2.9	2.6	76.5	84.0
Quebec, Canada	395	78.6	78.6	17.7	1.4	2.3	75.8	81.6
Norway (4)	587	71.9	71.9	22.7	4.1	1.4	67.7	76.0
Abu Dhabi, UAE	713	69.4	69.4	20.8	8.9	1.0	71.0	67.8
Dubai, UAE	1060	79.6	79.6	16.5	3.7	0.2	81.1	78.1
Florida, US	287	74.1	74.1	22.5	2.0	1.4	71.1	77.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_05B (S051026B): Life Science / Reasoning Type: MC Key: B
Label: T/F about predator/prey: bigger

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	68.9	26.0	68.9	4.5	0.7	67.7	70.1
Bahrain	592	51.8	39.9	51.8	7.0	1.3	52.9	50.8
Belgium (Flemish)	775	60.2	35.6	60.2	3.8	0.5	53.1	66.8
Bulgaria	608	50.3	43.6	50.3	6.1	0.0	47.1	53.1
Canada	1746	63.8	30.2	63.8	3.5	2.5	62.7	64.9
Chile	678	47.7	41.7	47.7	6.6	3.9	40.8	54.8
Chinese Taipei	606	70.6	27.6	70.6	1.8	0.0	66.5	74.2
Croatia	565	58.5	37.1	58.5	4.3	0.1	54.3	62.7
Cyprus	585	54.7	39.9	54.7	4.1	1.3	52.8	56.6
Czech Republic	731	53.0	43.2	53.0	3.4	0.3	49.4	56.6
Denmark	533	65.1	28.8	65.1	4.1	1.9	63.1	67.1
England	569	68.0	28.5	68.0	3.1	0.4	63.6	72.0
Finland	720	71.6	25.5	71.6	2.4	0.5	73.5	69.7
France	696	54.0	42.1	54.0	2.1	1.8	50.8	57.6
Georgia	562	42.8	34.6	42.8	21.2	1.4	38.1	47.6
Germany	564	65.0	31.6	65.0	3.2	0.2	60.0	69.3
Hong Kong SAR	507	65.6	33.8	65.6	0.5	0.0	63.6	67.0
Hungary	725	64.6	30.5	64.6	4.0	0.9	57.1	72.3
Indonesia	567	28.6	50.9	28.6	19.9	0.5	29.2	28.1
Iran, Islamic Rep. of	547	49.4	34.5	49.4	13.7	2.5	47.6	51.0
Ireland	620	66.2	32.2	66.2	1.2	0.3	61.1	70.6
Italy	633	55.1	42.0	55.1	2.0	0.8	48.8	61.0
Japan	628	74.9	22.8	74.9	1.4	0.9	73.4	76.4
Kazakhstan	676	56.2	36.9	56.2	6.4	0.5	54.9	57.7
Korea, Rep. of	669	82.8	16.7	82.8	0.4	0.1	81.8	83.8
Kuwait	499	37.4	46.6	37.4	14.0	2.0	33.4	42.4
Lithuania	657	53.3	44.4	53.3	2.2	0.1	45.8	60.5
Morocco	714	41.3	36.8	41.3	19.5	2.4	32.8	49.2
Netherlands	654	75.6	22.9	75.6	1.1	0.4	70.7	80.2
New Zealand	904	59.1	33.2	59.1	6.8	0.9	57.5	60.7
Northern Ireland	423	65.9	33.9	65.9	0.2	0.0	58.0	72.0
Norway	617	77.5	19.5	77.5	2.6	0.4	77.3	77.7
Oman	1282	44.0	43.4	44.0	11.6	0.9	45.5	42.3
Poland	674	65.9	31.3	65.9	2.6	0.3	61.5	70.3
Portugal	659	51.7	45.7	51.7	1.6	1.0	52.6	50.7
Qatar	739	46.5	41.3	46.5	11.3	0.9	43.8	49.3
Russian Federation	706	57.0	37.4	57.0	5.1	0.6	48.4	65.1
Saudi Arabia	620	38.3	41.5	38.3	17.8	2.4	40.6	36.2
Serbia	583	44.4	49.4	44.4	5.6	0.6	37.6	50.7
Singapore	929	74.2	25.5	74.2	0.3	0.0	72.1	76.1
Slovak Republic	813	47.7	46.6	47.7	5.1	0.6	47.3	48.1
Slovenia	624	55.1	42.5	55.1	2.0	0.4	50.3	59.1
Spain	1112	53.2	42.4	53.2	3.5	0.8	48.2	57.9
Sweden	599	65.4	30.9	65.4	2.9	0.8	64.1	66.5
Turkey	910	59.4	36.5	59.4	3.7	0.4	51.0	67.8
United Arab Emirates	3017	46.6	45.9	46.6	7.1	0.4	44.5	48.6
United States	1419	67.4	29.1	67.4	2.6	0.9	64.7	70.4
International Avg (n=47)	36097	57.8	35.8	57.8	5.5	0.9	54.5	60.9
Buenos Aires, Argentina	437	42.6	29.0	42.6	22.8	5.5	37.9	46.3
Ontario, Canada	651	64.7	29.4	64.7	3.4	2.6	62.4	66.8
Quebec, Canada	395	62.3	33.6	62.3	1.8	2.3	60.7	64.0
Norway (4)	587	67.3	27.2	67.3	4.1	1.4	63.6	70.9
Abu Dhabi, UAE	713	45.0	44.1	45.0	9.9	1.0	40.9	49.0
Dubai, UAE	1060	51.6	44.5	51.6	3.8	0.2	48.0	55.0
Florida, US	287	64.8	30.9	64.8	2.9	1.4	64.8	64.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_05C (S051026C): Life Science / Reasoning Type: MC Key: B
Label: T/F about predator/prey: large

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	840	85.4	10.4	85.4	3.5	0.7	84.1	86.5
Bahrain	592	63.2	29.6	63.2	5.9	1.3	66.3	60.2
Belgium (Flemish)	775	79.9	15.2	79.9	4.5	0.5	79.5	80.2
Bulgaria	608	62.1	30.8	62.1	7.1	0.0	61.1	63.1
Canada	1746	79.8	14.2	79.8	3.5	2.5	80.9	78.8
Chile	678	64.6	24.7	64.6	6.8	3.9	64.7	64.5
Chinese Taipei	606	87.0	11.4	87.0	1.6	0.0	86.7	87.2
Croatia	565	77.1	19.8	77.1	3.0	0.1	76.1	78.0
Cyprus	585	62.9	30.6	62.9	5.2	1.3	62.1	63.6
Czech Republic	731	65.6	30.6	65.6	3.5	0.3	67.9	63.3
Denmark	533	77.9	15.3	77.9	4.9	1.9	81.6	74.1
England	569	82.1	15.2	82.1	2.2	0.4	82.9	81.5
Finland	720	75.7	21.6	75.7	2.2	0.5	77.9	73.7
France	696	68.8	27.3	68.8	2.2	1.8	70.0	67.4
Georgia	562	53.1	24.3	53.1	21.2	1.4	55.6	50.5
Germany	564	75.0	21.3	75.0	3.5	0.2	75.5	74.4
Hong Kong SAR	507	81.5	17.5	81.5	1.0	0.0	82.6	80.8
Hungary	725	76.7	18.4	76.7	4.1	0.9	74.5	78.9
Indonesia	567	43.6	31.0	43.6	24.9	0.5	39.6	47.3
Iran, Islamic Rep. of	547	50.5	32.2	50.5	14.8	2.5	47.5	53.4
Ireland	620	85.6	12.2	85.6	1.9	0.3	82.0	88.6
Italy	633	71.3	25.4	71.3	2.4	0.8	72.2	70.5
Japan	628	82.0	15.6	82.0	1.5	0.9	83.2	80.9
Kazakhstan	676	68.4	24.3	68.4	6.9	0.5	67.1	69.8
Korea, Rep. of	669	95.5	4.0	95.5	0.4	0.1	96.4	94.7
Kuwait	499	50.4	33.1	50.4	14.5	2.0	49.5	52.1
Lithuania	657	74.9	21.9	74.9	3.1	0.1	74.4	75.3
Morocco	714	51.6	25.9	51.6	20.1	2.4	49.5	53.5
Netherlands	654	83.7	14.4	83.7	1.6	0.4	84.7	82.8
New Zealand	904	77.5	15.3	77.5	6.3	0.9	80.1	75.1
Northern Ireland	424	86.5	13.3	86.5	0.2	0.0	86.6	86.4
Norway	617	83.0	14.3	83.0	2.4	0.4	83.7	82.3
Oman	1276	50.4	36.2	50.4	12.4	0.9	52.1	48.6
Poland	674	82.5	13.8	82.5	3.4	0.3	84.6	80.4
Portugal	659	74.6	22.4	74.6	2.0	1.0	72.6	76.6
Qatar	739	58.0	28.9	58.0	12.3	0.9	59.2	56.6
Russian Federation	706	74.1	19.1	74.1	6.3	0.6	76.1	72.1
Saudi Arabia	622	45.0	34.0	45.0	18.6	2.4	47.3	42.9
Serbia	583	68.1	25.4	68.1	6.0	0.6	68.8	67.4
Singapore	929	87.9	11.5	87.9	0.6	0.0	86.7	88.9
Slovak Republic	813	64.1	29.2	64.1	6.1	0.6	63.8	64.4
Slovenia	624	74.7	22.3	74.7	2.6	0.4	73.2	76.0
Spain	1112	78.7	17.2	78.7	3.2	0.8	76.2	81.1
Sweden	599	82.0	13.2	82.0	4.0	0.8	83.5	80.7
Turkey	910	72.4	23.5	72.4	3.8	0.4	71.7	73.1
United Arab Emirates	3017	61.8	29.8	61.8	8.0	0.4	64.9	59.0
United States	1419	86.3	10.2	86.3	2.7	0.9	85.1	87.5
International Avg (n=47)	36093	72.0	21.2	72.0	5.9	0.9	72.2	71.8
Buenos Aires, Argentina	437	52.7	19.0	52.7	22.7	5.5	52.2	53.1
Ontario, Canada	651	80.3	13.6	80.3	3.5	2.6	82.6	78.2
Quebec, Canada	394	79.2	17.1	79.2	1.4	2.3	80.1	78.2
Norway (4)	587	74.2	19.2	74.2	5.1	1.4	72.3	76.2
Abu Dhabi, UAE	713	56.5	30.8	56.5	11.8	1.0	59.8	53.3
Dubai, UAE	1060	71.2	25.0	71.2	3.7	0.2	71.4	71.1
Florida, US	287	87.3	8.8	87.3	2.6	1.4	86.0	88.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_05D (S051026D): Life Science / Reasoning Type: MC Key: A
Label: T/F about predator/prey: both pred and prey

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	88.0	88.0	7.3	4.1	0.7	89.4	86.6
Bahrain	592	69.8	69.8	22.1	6.8	1.3	71.9	67.7
Belgium (Flemish)	775	87.6	87.6	8.1	3.9	0.5	87.4	87.8
Bulgaria	608	76.7	76.7	16.4	6.9	0.0	75.4	77.8
Canada	1747	85.3	85.3	8.9	3.4	2.5	86.3	84.2
Chile	678	76.3	76.3	13.0	6.8	3.9	77.9	74.6
Chinese Taipei	606	89.6	89.6	8.7	1.7	0.0	88.7	90.4
Croatia	565	79.7	79.7	17.6	2.6	0.1	77.7	81.7
Cyprus	585	73.1	73.1	20.4	5.2	1.3	75.5	70.8
Czech Republic	731	81.2	81.2	15.1	3.4	0.3	79.5	82.8
Denmark	533	86.9	86.9	7.8	3.3	1.9	88.2	85.7
England	569	88.4	88.4	9.9	1.4	0.4	86.9	89.6
Finland	720	92.6	92.6	5.2	1.7	0.5	93.4	91.8
France	696	81.1	81.1	14.9	2.2	1.8	79.4	83.1
Georgia	562	59.8	59.8	18.4	20.4	1.4	61.9	57.8
Germany	564	88.8	88.8	8.5	2.5	0.2	87.6	89.9
Hong Kong SAR	507	93.7	93.7	5.2	1.1	0.0	95.1	92.7
Hungary	725	79.6	79.6	15.8	3.7	0.9	76.4	82.7
Indonesia	567	56.8	56.8	22.4	20.3	0.5	59.6	54.2
Iran, Islamic Rep. of	547	71.0	71.0	17.3	9.2	2.5	72.8	69.4
Ireland	620	88.1	88.1	10.1	1.5	0.3	87.2	88.8
Italy	633	81.6	81.6	14.4	3.1	0.8	83.2	80.2
Japan	628	74.9	74.9	22.5	1.6	0.9	75.5	74.4
Kazakhstan	676	83.2	83.2	11.6	4.8	0.5	82.2	84.2
Korea, Rep. of	669	92.1	92.1	7.3	0.5	0.1	90.8	93.4
Kuwait	499	49.4	49.4	32.9	15.7	2.0	49.8	49.6
Lithuania	657	88.4	88.4	9.0	2.5	0.1	87.2	89.5
Morocco	714	47.3	47.3	27.8	22.5	2.4	46.7	48.0
Netherlands	654	90.7	90.7	7.7	1.2	0.4	89.6	91.7
New Zealand	904	83.7	83.7	10.1	5.3	0.9	83.7	83.8
Northern Ireland	423	90.6	90.6	9.2	0.2	0.0	85.8	94.2
Norway	617	87.0	87.0	11.5	1.1	0.4	86.6	87.4
Oman	1282	48.6	48.6	37.9	12.7	0.9	48.8	48.2
Poland	674	93.2	93.2	3.5	3.0	0.3	94.3	92.2
Portugal	659	77.5	77.5	19.1	2.4	1.0	75.1	79.7
Qatar	739	57.8	57.8	29.2	12.1	0.9	56.5	59.1
Russian Federation	706	87.4	87.4	8.0	4.0	0.6	87.7	87.1
Saudi Arabia	622	44.4	44.4	34.5	18.8	2.3	47.7	41.2
Serbia	583	75.1	75.1	19.1	5.2	0.6	74.0	76.2
Singapore	929	92.0	92.0	6.9	1.1	0.0	90.3	93.5
Slovak Republic	813	79.2	79.2	15.4	4.8	0.6	76.6	81.5
Slovenia	624	84.8	84.8	13.1	1.7	0.4	82.7	86.6
Spain	1112	84.0	84.0	12.3	2.9	0.8	80.3	87.5
Sweden	599	84.0	84.0	11.1	4.1	0.8	83.8	84.2
Turkey	910	81.4	81.4	14.3	3.9	0.4	78.7	84.1
United Arab Emirates	3017	65.3	65.3	26.7	7.6	0.4	66.6	64.0
United States	1419	90.1	90.1	6.8	2.2	0.9	89.6	90.7
International Avg (n=47)	36100	78.9	78.9	14.8	5.5	0.9	78.6	79.2
Buenos Aires, Argentina	437	62.0	62.0	9.7	22.7	5.5	56.5	66.3
Ontario, Canada	651	84.3	84.3	9.8	3.3	2.6	85.7	83.0
Quebec, Canada	395	88.1	88.1	8.2	1.4	2.3	87.8	88.4
Norway (4)	587	81.3	81.3	12.8	4.5	1.4	79.8	82.7
Abu Dhabi, UAE	713	61.2	61.2	27.1	10.7	1.0	63.3	59.2
Dubai, UAE	1060	75.9	75.9	20.4	3.5	0.2	74.1	77.6
Florida, US	287	91.0	91.0	5.4	2.3	1.4	95.2	86.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_05Z (S051026Z): Life Science / Reasoning Type: CR 1 Point
Label: T/F about predator/prey (DERIVED)

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	840	50.5	47.5	50.5	1.4	0.7	48.5	52.3
Bahrain	592	29.7	65.8	29.7	3.2	1.3	30.8	28.6
Belgium (Flemish)	775	40.5	55.2	40.5	3.8	0.5	34.8	45.9
Bulgaria	608	30.3	66.5	30.3	3.2	0.0	27.3	32.9
Canada	1745	48.6	46.5	48.6	2.5	2.5	47.0	50.0
Chile	678	33.7	57.1	33.7	5.3	3.9	27.3	40.1
Chinese Taipei	606	55.0	44.3	55.0	0.7	0.0	50.4	59.0
Croatia	565	38.9	59.5	38.9	1.5	0.1	33.8	43.9
Cyprus	585	32.1	63.4	32.1	3.2	1.3	30.0	34.1
Czech Republic	731	23.8	73.8	23.8	2.0	0.3	20.0	27.7
Denmark	533	38.9	56.5	38.9	2.7	1.9	39.1	38.7
England	569	50.6	48.2	50.6	0.7	0.4	46.3	54.5
Finland	720	40.0	58.6	40.0	0.8	0.5	39.0	41.0
France	696	27.7	68.8	27.7	1.7	1.8	26.0	29.6
Georgia	562	23.4	63.6	23.4	11.6	1.4	23.8	22.9
Germany	564	42.1	55.7	42.1	2.0	0.2	36.8	46.5
Hong Kong SAR	507	41.0	58.7	41.0	0.3	0.0	38.1	43.0
Hungary	725	42.4	53.2	42.4	3.5	0.9	35.7	49.3
Indonesia	567	11.4	83.5	11.4	4.6	0.5	10.9	11.8
Iran, Islamic Rep. of	547	20.1	73.7	20.1	3.7	2.5	18.1	22.0
Ireland	620	46.9	52.4	46.9	0.3	0.3	39.6	53.1
Italy	633	38.1	59.9	38.1	1.1	0.8	36.0	40.0
Japan	628	54.5	43.3	54.5	1.3	0.9	53.3	55.7
Kazakhstan	676	32.2	66.6	32.2	0.7	0.5	31.1	33.5
Korea, Rep. of	669	56.0	43.6	56.0	0.3	0.1	56.0	56.0
Kuwait	499	11.4	77.5	11.4	9.1	2.0	9.9	13.3
Lithuania	657	33.9	64.8	33.9	1.1	0.1	27.4	40.2
Morocco	714	16.7	72.3	16.7	8.7	2.4	11.6	21.4
Netherlands	654	50.3	48.4	50.3	1.0	0.4	46.2	54.1
New Zealand	904	42.6	53.3	42.6	3.2	0.9	42.0	43.2
Northern Ireland	421	45.7	54.1	45.7	0.2	0.0	39.7	50.3
Norway	617	52.3	46.6	52.3	0.7	0.4	49.9	54.5
Oman	1263	16.7	77.6	16.7	4.8	0.9	16.2	17.3
Poland	674	41.8	55.7	41.8	2.2	0.3	36.9	46.9
Portugal	659	36.8	61.5	36.8	0.7	1.0	34.4	39.2
Qatar	739	23.5	65.8	23.5	9.8	0.9	20.8	26.3
Russian Federation	706	37.7	59.9	37.7	1.8	0.6	32.5	42.6
Saudi Arabia	616	15.5	73.4	15.5	8.7	2.4	15.9	15.1
Serbia	583	24.5	71.7	24.5	3.3	0.6	22.2	26.5
Singapore	929	43.9	56.0	43.9	0.1	0.0	41.2	46.3
Slovak Republic	813	27.5	69.3	27.5	2.6	0.6	24.2	30.5
Slovenia	624	37.4	60.9	37.4	1.4	0.4	33.0	41.1
Spain	1112	40.7	56.0	40.7	2.5	0.8	36.2	44.9
Sweden	599	44.1	53.6	44.1	1.5	0.8	41.8	46.5
Turkey	910	38.1	60.0	38.1	1.5	0.4	30.2	46.0
United Arab Emirates	3017	24.2	72.5	24.2	3.0	0.4	22.5	25.7
United States	1419	50.6	47.2	50.6	1.3	0.9	47.4	54.2
International Avg (n=47)	36070	36.3	60.1	36.3	2.8	0.9	33.2	39.1
Buenos Aires, Argentina	437	28.5	44.8	28.5	21.1	5.5	27.6	29.2
Ontario, Canada	651	51.6	43.4	51.6	2.4	2.6	49.3	53.9
Quebec, Canada	394	45.3	51.0	45.3	1.4	2.3	45.2	45.4
Norway (4)	587	40.7	55.4	40.7	2.6	1.4	37.2	44.0
Abu Dhabi, UAE	713	21.9	72.9	21.9	4.2	1.0	20.4	23.4
Dubai, UAE	1060	32.1	66.2	32.1	1.5	0.2	29.4	34.8
Florida, US	287	49.7	47.6	49.7	1.3	1.4	47.7	51.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S03_06 (S051130): Physical Science / Reasoning Type: CR 1 Point
Label: Take salt out of birthday cake

COUNTRY	N	10 %	11 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	14.7	6.0	75.6	20.7	2.6	1.1	25.3	16.5
Bahrain	592	9.7	19.3	65.6	29.0	3.6	1.8	35.3	22.9
Belgium (Flemish)	775	11.1	18.9	65.7	30.0	3.5	0.7	29.1	30.9
Bulgaria	608	6.4	24.5	65.0	30.9	4.0	0.0	36.8	25.7
Canada	1749	13.9	3.5	76.2	17.5	3.6	2.7	20.4	14.6
Chile	678	6.3	7.0	76.8	13.3	5.9	3.9	13.0	13.6
Chinese Taipei	606	2.3	20.1	76.3	22.3	1.4	0.0	24.7	20.3
Croatia	565	9.5	19.9	69.2	29.3	1.2	0.2	31.3	27.4
Cyprus	585	4.0	10.8	80.9	14.8	1.5	2.7	18.0	11.8
Czech Republic	731	14.6	11.4	72.6	26.0	1.0	0.3	28.3	23.9
Denmark	533	19.2	14.0	61.0	33.2	2.6	3.2	41.4	24.9
England	569	17.6	14.1	66.5	31.7	1.5	0.4	39.3	24.9
Finland	720	7.4	11.4	79.0	18.8	1.4	0.8	18.8	18.8
France	696	9.8	7.5	78.4	17.3	2.2	2.1	18.2	16.2
Georgia	562	7.5	9.0	78.0	16.4	3.3	2.2	22.5	10.3
Germany	564	17.6	4.3	75.7	22.0	2.2	0.2	21.4	22.5
Hong Kong SAR	507	5.5	18.5	75.6	24.1	0.3	0.0	32.8	18.0
Hungary	725	23.1	14.5	57.7	37.6	3.4	1.3	42.2	32.9
Indonesia	567	10.5	3.7	81.5	14.2	3.6	0.7	20.5	8.2
Iran, Islamic Rep. of	547	4.6	27.3	63.7	31.9	1.5	2.9	33.3	30.6
Ireland	620	16.4	2.7	79.4	19.2	1.0	0.3	20.2	18.3
Italy	633	5.4	10.6	79.7	16.0	3.2	1.1	14.7	17.3
Japan	628	10.9	18.9	67.9	29.8	1.1	1.2	29.1	30.5
Kazakhstan	676	25.1	37.9	36.3	63.0	0.3	0.5	65.7	60.1
Korea, Rep. of	669	4.5	14.7	79.9	19.2	0.8	0.1	20.6	17.8
Kuwait	499	3.3	5.1	75.7	8.4	12.2	3.8	11.2	5.4
Lithuania	657	8.3	30.2	60.7	38.5	0.6	0.2	39.8	37.3
Morocco	714	9.7	6.2	75.1	15.9	5.0	4.1	11.0	20.3
Netherlands	654	11.2	9.0	78.0	20.2	1.3	0.5	24.1	16.5
New Zealand	904	18.5	5.8	71.4	24.3	3.4	0.9	29.4	19.5
Northern Ireland	432	22.1	1.9	73.6	24.0	1.6	0.7	25.9	22.7
Norway	617	13.2	23.1	62.3	36.3	0.9	0.5	42.1	30.9
Oman	1291	6.4	15.0	74.6	21.4	3.0	1.1	24.2	18.3
Poland	674	13.2	15.7	69.4	28.8	1.4	0.4	28.7	29.0
Portugal	659	3.9	6.4	86.4	10.3	1.6	1.6	11.3	9.4
Qatar	739	5.5	10.9	78.5	16.4	3.9	1.2	20.3	12.2
Russian Federation	706	10.7	26.5	60.8	37.2	1.4	0.6	41.5	33.1
Saudi Arabia	629	4.7	4.5	83.0	9.3	5.4	2.3	13.7	5.0
Serbia	583	9.4	19.0	67.7	28.4	1.9	2.0	31.1	26.0
Singapore	929	11.6	35.5	52.2	47.2	0.6	0.0	50.5	44.2
Slovak Republic	813	9.8	19.7	68.1	29.4	1.6	0.8	32.2	27.1
Slovenia	624	8.7	24.5	63.5	33.2	2.2	1.1	35.0	31.7
Spain	1112	3.1	8.5	86.3	11.6	1.0	1.1	12.3	10.9
Sweden	599	6.6	0.8	88.3	7.4	3.5	0.8	10.3	4.6
Turkey	910	4.6	11.1	83.3	15.7	0.5	0.4	18.1	13.4
United Arab Emirates	3017	9.1	11.7	75.6	20.7	3.2	0.5	22.9	18.6
United States	1419	25.3	4.2	67.6	29.4	1.8	1.2	32.3	26.3
International Avg (n=47)	36127	10.6	13.7	72.0	24.3	2.5	1.2	27.0	21.7
Buenos Aires, Argentina	437	2.1	3.9	73.9	6.0	11.3	8.8	7.2	5.1
Ontario, Canada	651	16.8	2.8	73.4	19.7	4.2	2.7	24.1	15.4
Quebec, Canada	395	8.7	5.2	81.5	13.9	2.0	2.5	14.0	13.9
Norway (4)	587	8.3	14.5	73.1	22.9	1.9	2.1	27.4	18.4
Abu Dhabi, UAE	713	6.9	10.9	76.9	17.8	4.2	1.1	21.2	14.5
Dubai, UAE	1060	15.5	17.2	65.2	32.7	1.9	0.2	35.4	30.1
Florida, US	287	23.5	3.1	70.5	26.7	1.2	1.7	31.2	21.9

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S03_07 (S051114): Physical Science / Applying Type: MC Key: C
Label: Four objects sorted into groups

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	56.6	5.7	16.6	56.6	16.7	2.9	1.4	51.5	61.4
Bahrain	592	34.7	19.0	26.1	34.7	16.2	2.3	1.8	35.2	34.1
Belgium (Flemish)	775	41.1	7.6	31.6	41.1	12.2	6.9	0.7	42.0	40.2
Bulgaria	608	52.1	7.5	21.8	52.1	15.7	2.7	0.1	49.6	54.3
Canada	1732	57.6	8.0	14.4	57.6	12.5	4.4	3.1	57.2	58.1
Chile	678	39.9	10.9	24.4	39.9	15.3	5.1	4.2	39.6	40.4
Chinese Taipei	606	65.7	3.0	22.4	65.7	6.3	2.7	0.0	66.5	65.1
Croatia	565	50.3	7.6	18.8	50.3	17.0	6.1	0.2	52.7	48.0
Cyprus	585	46.9	10.2	21.3	46.9	15.5	3.4	2.7	46.0	47.8
Czech Republic	731	60.7	5.2	14.0	60.7	15.4	4.1	0.6	57.4	63.9
Denmark	533	43.2	10.8	17.7	43.2	17.4	7.4	3.5	43.1	43.4
England	569	66.3	4.7	13.3	66.3	12.9	2.0	0.8	73.7	59.7
Finland	720	65.7	5.7	14.4	65.7	9.5	3.8	0.9	72.0	59.8
France	696	37.1	7.1	24.9	37.1	19.1	9.4	2.4	38.5	35.6
Georgia	562	37.8	7.9	22.9	37.8	21.5	7.5	2.5	33.6	42.0
Germany	564	44.7	4.6	24.3	44.7	16.0	10.2	0.4	46.4	43.3
Hong Kong SAR	507	69.0	5.7	18.0	69.0	6.7	0.6	0.0	67.5	70.0
Hungary	725	50.3	4.0	21.0	50.3	13.3	9.3	2.1	51.9	48.6
Indonesia	567	34.5	20.7	25.2	34.5	16.1	2.7	0.8	37.2	32.0
Iran, Islamic Rep. of	547	26.1	12.4	23.5	26.1	28.6	6.1	3.2	24.8	27.2
Ireland	620	55.5	9.4	17.0	55.5	16.2	1.5	0.3	54.1	56.8
Italy	633	51.0	9.0	23.2	51.0	11.9	3.7	1.3	47.7	54.0
Japan	628	56.1	2.4	22.2	56.1	12.5	5.7	1.2	60.8	51.6
Kazakhstan	676	59.4	10.7	13.6	59.4	15.0	0.9	0.5	60.9	57.8
Korea, Rep. of	669	93.2	1.6	4.0	93.2	0.7	0.5	0.1	92.1	94.1
Kuwait	498	29.9	24.7	21.6	29.9	9.1	10.8	4.0	27.7	32.7
Lithuania	657	45.0	3.7	28.4	45.0	15.8	6.9	0.3	44.6	45.3
Morocco	717	31.1	14.0	27.0	31.1	18.9	4.7	4.4	33.3	29.0
Netherlands	654	45.4	5.3	28.3	45.4	16.9	3.7	0.5	43.8	46.8
New Zealand	903	49.9	10.6	19.5	49.9	15.6	3.5	0.9	46.9	52.8
Northern Ireland	419	56.6	7.7	19.9	56.6	15.2	0.6	0.0	62.2	52.2
Norway	617	46.3	6.3	12.7	46.3	32.6	1.7	0.5	39.3	53.0
Oman	1289	32.7	14.8	25.0	32.7	23.4	3.0	1.2	34.4	30.8
Poland	674	53.4	5.7	29.0	53.4	7.9	3.6	0.4	54.2	52.7
Portugal	659	48.6	6.9	26.6	48.6	12.9	2.9	2.1	48.2	48.9
Qatar	739	38.4	17.1	22.5	38.4	14.9	5.7	1.4	39.5	37.2
Russian Federation	706	59.9	4.8	20.3	59.9	8.4	5.9	0.7	58.8	60.9
Saudi Arabia	625	30.9	19.9	24.5	30.9	18.3	3.5	2.9	29.5	32.2
Serbia	583	46.9	4.7	21.3	46.9	14.4	10.5	2.2	51.0	43.2
Singapore	929	88.9	2.6	5.5	88.9	2.6	0.5	0.0	91.0	87.0
Slovak Republic	813	55.0	8.3	16.8	55.0	15.1	3.4	1.4	52.8	56.8
Slovenia	624	57.6	8.4	15.3	57.6	13.9	3.6	1.2	56.7	58.5
Spain	1112	51.6	7.8	22.7	51.6	11.5	4.8	1.7	47.4	55.5
Sweden	599	48.6	9.5	18.1	48.6	16.9	6.0	0.9	47.7	49.5
Turkey	910	46.4	12.3	28.1	46.4	11.8	1.0	0.4	47.2	45.6
United Arab Emirates	3017	44.0	13.6	22.5	44.0	16.3	3.0	0.6	44.5	43.5
United States	1419	57.1	8.1	17.2	57.1	13.5	2.7	1.5	55.9	58.4
International Avg (n=47)	36092	50.2	8.9	20.6	50.2	14.6	4.3	1.4	50.2	50.2
Buenos Aires, Argentina	437	37.9	7.7	15.3	37.9	10.4	19.8	8.9	37.2	38.4
Ontario, Canada	650	61.4	6.9	12.9	61.4	11.5	4.0	3.3	59.3	63.4
Quebec, Canada	384	48.2	8.5	19.4	48.2	15.6	5.8	2.6	48.1	48.2
Norway (4)	587	43.2	9.1	11.0	43.2	28.9	5.4	2.5	38.9	47.3
Abu Dhabi, UAE	713	37.5	18.6	22.8	37.5	16.8	2.9	1.4	38.2	36.8
Dubai, UAE	1060	56.7	8.7	19.2	56.7	13.4	1.8	0.2	55.0	58.4
Florida, US	287	61.1	7.8	17.0	61.1	10.1	1.9	2.0	65.5	56.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_08A (S051121A): Physical Science / Knowing Type: MC Key: B
Label: Objects conductors: spoon

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	81.8	12.7	81.8	3.7	1.8	85.3	78.7
Bahrain	592	77.0	15.8	77.0	5.3	1.8	83.0	71.3
Belgium (Flemish)	775	91.1	5.8	91.1	2.1	1.1	93.3	89.0
Bulgaria	608	79.3	13.8	79.3	6.6	0.3	79.8	79.0
Canada	1747	81.7	10.1	81.7	3.5	4.6	83.5	80.0
Chile	678	76.6	12.7	76.6	6.3	4.4	81.4	71.7
Chinese Taipei	606	93.2	6.0	93.2	0.8	0.0	95.3	91.4
Croatia	565	87.6	8.7	87.6	3.3	0.3	86.8	88.4
Cyprus	585	75.9	15.1	75.9	5.0	4.1	80.1	71.9
Czech Republic	731	90.5	4.7	90.5	3.3	1.4	90.7	90.4
Denmark	533	79.2	10.8	79.2	4.7	5.3	84.5	73.9
England	569	90.2	5.5	90.2	3.0	1.3	91.6	89.0
Finland	720	91.4	5.3	91.4	2.2	1.1	92.0	90.9
France	696	81.9	8.8	81.9	5.2	4.1	84.6	79.0
Georgia	562	64.9	19.1	64.9	12.4	3.6	67.5	62.3
Germany	564	86.1	7.6	86.1	5.5	0.9	90.0	82.7
Hong Kong SAR	507	89.4	10.2	89.4	0.4	0.0	92.9	87.0
Hungary	725	85.6	7.8	85.6	3.9	2.7	89.2	82.0
Indonesia	567	68.0	12.4	68.0	18.5	1.1	68.9	67.1
Iran, Islamic Rep. of	547	64.5	15.8	64.5	15.6	4.2	66.7	62.4
Ireland	620	86.5	9.2	86.5	3.7	0.6	86.8	86.3
Italy	633	86.8	6.5	86.8	5.3	1.4	86.7	86.8
Japan	628	90.2	7.7	90.2	0.9	1.2	91.9	88.7
Kazakhstan	676	89.4	4.2	89.4	5.9	0.6	90.1	88.6
Korea, Rep. of	669	86.7	12.6	86.7	0.6	0.1	90.5	83.0
Kuwait	499	57.2	26.0	57.2	11.7	5.1	57.5	57.6
Lithuania	657	78.0	20.2	78.0	1.1	0.6	78.3	77.7
Morocco	718	52.5	22.2	52.5	19.3	6.0	51.3	53.7
Netherlands	654	89.9	7.2	89.9	1.9	1.0	93.7	86.5
New Zealand	903	77.9	12.1	77.9	9.0	1.0	80.6	75.2
Northern Ireland	414	91.7	8.3	91.7	0.0	0.0	90.8	92.3
Norway	617	81.4	14.1	81.4	4.0	0.6	82.1	80.7
Oman	1292	73.6	14.6	73.6	10.3	1.5	79.0	67.5
Poland	674	90.7	6.4	90.7	2.3	0.6	92.8	88.5
Portugal	659	86.3	8.3	86.3	2.7	2.7	88.2	84.6
Qatar	739	73.7	14.2	73.7	10.5	1.6	75.9	71.4
Russian Federation	706	86.8	6.0	86.8	6.3	0.9	87.9	85.9
Saudi Arabia	623	70.1	12.6	70.1	13.8	3.5	75.3	65.0
Serbia	583	84.7	5.6	84.7	5.8	3.8	83.7	85.7
Singapore	929	93.4	5.3	93.4	1.0	0.2	94.3	92.6
Slovak Republic	813	90.4	5.4	90.4	2.8	1.4	89.7	91.0
Slovenia	624	88.8	6.3	88.8	2.9	2.0	90.5	87.4
Spain	1112	86.0	8.7	86.0	3.1	2.1	83.7	88.2
Sweden	599	78.5	9.6	78.5	10.3	1.6	81.7	75.3
Turkey	910	83.0	13.5	83.0	3.0	0.4	85.7	80.4
United Arab Emirates	3017	77.2	15.3	77.2	6.7	0.8	79.8	74.7
United States	1419	86.8	7.1	86.8	3.3	2.7	88.7	84.8
International Avg (n=47)	36105	82.0	10.6	82.0	5.5	1.9	83.9	80.2
Buenos Aires, Argentina	437	66.7	11.5	66.7	12.3	9.4	68.9	65.0
Ontario, Canada	650	80.9	10.6	80.9	3.6	4.8	81.2	80.7
Quebec, Canada	395	86.3	7.7	86.3	1.2	4.8	88.6	83.7
Norway (4)	587	73.3	14.4	73.3	8.5	3.9	73.6	73.0
Abu Dhabi, UAE	713	73.1	17.4	73.1	7.9	1.7	77.6	68.8
Dubai, UAE	1060	84.8	10.9	84.8	3.8	0.5	85.2	84.4
Florida, US	287	87.3	5.1	87.3	4.5	3.1	89.5	84.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_08B (S051121B): Physical Science / Knowing Type: MC Key: B
Label: Objects conductors: comb

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	79.3	15.3	79.3	3.7	1.8	80.0	78.6
Bahrain	592	76.8	15.8	76.8	5.6	1.8	81.0	72.8
Belgium (Flemish)	775	83.7	12.9	83.7	2.4	1.1	84.8	82.7
Bulgaria	608	82.3	9.4	82.3	8.0	0.3	79.4	85.0
Canada	1747	74.8	16.9	74.8	3.7	4.6	76.2	73.6
Chile	678	77.0	12.7	77.0	5.9	4.4	80.3	73.6
Chinese Taipei	606	90.8	7.9	90.8	1.3	0.0	90.1	91.4
Croatia	565	79.1	17.1	79.1	3.5	0.3	75.4	82.7
Cyprus	585	73.5	17.2	73.5	5.3	4.1	78.8	68.5
Czech Republic	731	80.8	14.3	80.8	3.5	1.4	79.8	81.8
Denmark	533	76.7	13.1	76.7	4.9	5.3	80.2	73.1
England	569	86.7	8.5	86.7	3.5	1.3	87.3	86.2
Finland	720	70.2	26.5	70.2	2.2	1.1	68.0	72.2
France	696	77.0	13.3	77.0	5.6	4.1	77.6	76.4
Georgia	562	66.0	16.1	66.0	14.4	3.6	62.3	69.6
Germany	564	84.7	8.9	84.7	5.5	0.9	87.2	82.6
Hong Kong SAR	507	85.0	14.7	85.0	0.3	0.0	81.6	87.3
Hungary	725	80.2	13.0	80.2	4.0	2.7	79.4	81.0
Indonesia	567	68.1	11.7	68.1	19.2	1.1	68.5	67.7
Iran, Islamic Rep. of	547	64.3	15.3	64.3	16.1	4.2	67.1	61.6
Ireland	620	78.0	17.7	78.0	3.7	0.6	76.7	79.2
Italy	633	83.5	10.9	83.5	4.2	1.4	83.7	83.2
Japan	628	91.1	7.2	91.1	0.4	1.2	92.1	90.3
Kazakhstan	676	85.7	7.8	85.7	5.9	0.6	83.7	87.9
Korea, Rep. of	669	74.9	24.4	74.9	0.6	0.1	79.6	70.5
Kuwait	499	59.1	24.5	59.1	11.3	5.1	60.9	58.0
Lithuania	657	66.3	32.0	66.3	1.2	0.6	63.4	69.1
Morocco	718	62.1	10.5	62.1	21.3	6.0	60.0	64.1
Netherlands	654	79.0	17.9	79.0	2.2	1.0	82.3	75.8
New Zealand	903	75.1	14.4	75.1	9.4	1.0	74.1	76.2
Northern Ireland	415	83.2	16.8	83.2	0.0	0.0	81.7	84.4
Norway	617	82.8	12.1	82.8	4.5	0.6	80.1	85.4
Oman	1288	75.1	12.5	75.1	10.9	1.5	78.2	71.7
Poland	674	74.7	22.8	74.7	1.8	0.6	69.5	80.1
Portugal	659	86.1	8.9	86.1	2.4	2.7	86.4	85.7
Qatar	739	72.8	15.1	72.8	10.6	1.6	73.0	72.5
Russian Federation	706	56.9	36.6	56.9	5.6	0.9	52.7	60.8
Saudi Arabia	624	69.6	12.4	69.6	14.5	3.5	74.9	64.5
Serbia	583	32.7	59.4	32.7	4.1	3.8	22.5	42.0
Singapore	929	90.6	7.9	90.6	1.3	0.2	91.8	89.6
Slovak Republic	813	89.8	6.1	89.8	2.7	1.4	89.5	90.0
Slovenia	624	86.7	8.6	86.7	2.7	2.0	86.7	86.7
Spain	1112	83.3	11.7	83.3	2.8	2.1	79.8	86.7
Sweden	599	80.0	12.1	80.0	6.3	1.6	82.3	77.7
Turkey	910	70.7	24.6	70.7	4.2	0.4	70.9	70.6
United Arab Emirates	3017	78.0	14.1	78.0	7.1	0.8	78.2	77.8
United States	1419	82.9	10.5	82.9	3.8	2.7	84.8	80.7
International Avg (n=47)	36103	76.8	15.8	76.8	5.6	1.9	76.7	76.8
Buenos Aires, Argentina	437	67.3	10.9	67.3	12.4	9.4	68.1	66.6
Ontario, Canada	651	72.5	19.0	72.5	3.7	4.8	71.0	73.9
Quebec, Canada	394	78.4	15.6	78.4	1.2	4.9	80.7	76.0
Norway (4)	587	73.0	13.4	73.0	9.7	3.9	75.0	70.9
Abu Dhabi, UAE	713	75.7	14.4	75.7	8.3	1.7	79.1	72.4
Dubai, UAE	1060	86.0	9.7	86.0	3.8	0.5	84.6	87.4
Florida, US	287	86.0	6.7	86.0	4.2	3.1	84.3	87.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_08C (S051121C): Physical Science / Knowing Type: MC Key: A
Label: Objects conductors: chain

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	73.9	73.9	20.6	3.7	1.8	77.7	70.5
Bahrain	592	68.3	68.3	25.2	4.7	1.8	70.5	66.2
Belgium (Flemish)	775	74.4	74.4	22.8	1.8	1.1	75.6	73.3
Bulgaria	608	71.6	71.6	21.5	6.7	0.3	73.8	69.7
Canada	1743	68.6	68.6	23.7	3.1	4.6	72.0	65.2
Chile	678	63.5	63.5	27.8	4.2	4.4	65.7	61.3
Chinese Taipei	606	90.8	90.8	8.2	1.0	0.0	89.3	92.1
Croatia	565	76.6	76.6	19.4	3.7	0.3	76.3	76.9
Cyprus	585	75.6	75.6	16.0	4.3	4.1	76.7	74.5
Czech Republic	731	68.7	68.7	26.9	3.0	1.4	64.6	72.8
Denmark	533	72.1	72.1	18.9	3.7	5.3	74.7	69.5
England	569	83.1	83.1	13.1	2.5	1.3	84.2	82.1
Finland	720	80.6	80.6	17.2	1.1	1.1	78.1	82.9
France	696	72.7	72.7	18.7	4.5	4.1	73.9	71.4
Georgia	562	64.4	64.4	19.7	12.4	3.6	65.4	63.3
Germany	564	85.9	85.9	9.0	4.3	0.9	87.2	84.7
Hong Kong SAR	507	87.6	87.6	12.2	0.2	0.0	88.1	87.3
Hungary	725	74.7	74.7	21.0	1.6	2.7	69.7	79.7
Indonesia	567	70.4	70.4	14.5	14.1	1.1	73.0	68.0
Iran, Islamic Rep. of	547	62.6	62.6	19.7	13.5	4.2	61.1	64.1
Ireland	620	74.6	74.6	22.6	2.2	0.6	75.2	74.1
Italy	633	74.8	74.8	19.9	3.9	1.4	74.8	74.8
Japan	628	93.8	93.8	4.6	0.4	1.2	94.6	93.0
Kazakhstan	676	71.5	71.5	25.8	2.1	0.6	72.0	71.0
Korea, Rep. of	669	83.4	83.4	16.0	0.5	0.1	83.9	82.9
Kuwait	499	59.7	59.7	26.4	8.8	5.1	60.3	58.5
Lithuania	657	78.5	78.5	19.9	1.0	0.6	75.8	81.3
Morocco	718	59.8	59.8	17.9	16.3	6.0	53.0	66.0
Netherlands	654	85.7	85.7	11.9	1.5	1.0	86.1	85.3
New Zealand	903	71.2	71.2	21.9	5.8	1.0	70.3	72.1
Northern Ireland	416	76.0	76.0	23.6	0.5	0.0	80.8	72.2
Norway	617	78.1	78.1	18.5	2.9	0.6	76.1	80.0
Oman	1287	67.2	67.2	21.6	9.6	1.5	68.5	65.7
Poland	674	88.0	88.0	9.7	1.6	0.6	87.2	88.9
Portugal	659	75.7	75.7	19.1	2.5	2.7	77.2	74.1
Qatar	739	64.8	64.8	23.2	10.5	1.6	66.3	63.2
Russian Federation	706	68.5	68.5	26.0	4.6	0.9	64.8	72.0
Saudi Arabia	622	61.2	61.2	23.0	12.3	3.5	64.6	57.9
Serbia	583	51.2	51.2	38.8	6.2	3.8	44.8	57.1
Singapore	929	76.8	76.8	22.1	0.9	0.2	75.5	77.9
Slovak Republic	813	77.1	77.1	19.2	2.3	1.4	77.6	76.7
Slovenia	624	80.1	80.1	15.3	2.6	2.0	77.5	82.3
Spain	1112	75.0	75.0	20.9	2.0	2.1	72.6	77.2
Sweden	599	81.6	81.6	11.5	5.3	1.6	81.5	81.7
Turkey	910	71.7	71.7	25.4	2.5	0.4	71.2	72.1
United Arab Emirates	3016	69.2	69.2	24.4	5.6	0.8	70.0	68.4
United States	1419	81.2	81.2	13.3	2.8	2.7	82.4	79.8
International Avg (n=47)	36096	74.1	74.1	19.5	4.5	1.9	74.1	74.1
Buenos Aires, Argentina	437	62.6	62.6	17.1	10.8	9.4	55.2	68.3
Ontario, Canada	651	64.2	64.2	27.4	3.6	4.8	66.6	62.0
Quebec, Canada	393	78.7	78.7	15.7	0.8	4.9	81.1	76.1
Norway (4)	587	67.7	67.7	21.2	7.2	3.9	66.6	68.8
Abu Dhabi, UAE	713	66.6	66.6	24.6	7.1	1.7	67.8	65.5
Dubai, UAE	1060	74.6	74.6	22.3	2.6	0.5	72.4	76.7
Florida, US	287	76.9	76.9	16.0	3.9	3.1	77.9	75.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_08D (S051121D): Physical Science / Knowing Type: MC Key: B
Label: Objects conductors: ball

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	70.1	23.2	70.1	4.9	1.8	74.8	65.8
Bahrain	592	73.1	18.5	73.1	6.6	1.8	81.1	65.4
Belgium (Flemish)	775	72.4	24.6	72.4	1.9	1.1	72.6	72.3
Bulgaria	608	80.8	11.0	80.8	7.9	0.3	79.3	82.2
Canada	1745	67.1	24.7	67.1	3.6	4.6	69.0	65.1
Chile	678	71.1	17.7	71.1	6.8	4.4	74.3	67.8
Chinese Taipei	606	92.1	6.5	92.1	1.4	0.0	93.5	91.0
Croatia	565	86.6	9.5	86.6	3.6	0.3	85.9	87.3
Cyprus	585	73.4	17.5	73.4	5.1	4.1	75.3	71.6
Czech Republic	731	81.4	12.9	81.4	4.3	1.4	80.0	82.9
Denmark	533	69.8	20.7	69.8	4.2	5.3	71.1	68.5
England	569	80.9	14.6	80.9	3.2	1.3	84.0	78.1
Finland	720	75.0	21.7	75.0	2.2	1.1	75.7	74.3
France	696	71.2	18.7	71.2	6.0	4.1	73.3	68.8
Georgia	562	66.3	15.1	66.3	15.0	3.6	63.2	69.5
Germany	564	80.3	13.9	80.3	4.8	0.9	82.8	78.1
Hong Kong SAR	507	86.1	13.7	86.1	0.2	0.0	86.3	85.9
Hungary	725	80.4	13.3	80.4	3.6	2.7	83.2	77.5
Indonesia	567	65.6	13.6	65.6	19.8	1.1	66.3	64.8
Iran, Islamic Rep. of	547	64.0	13.8	64.0	18.0	4.2	66.0	62.2
Ireland	620	68.4	28.3	68.4	2.7	0.6	68.7	68.1
Italy	633	77.0	16.8	77.0	4.8	1.4	78.0	76.2
Japan	628	93.3	5.1	93.3	0.4	1.2	92.8	93.7
Kazakhstan	676	86.8	6.1	86.8	6.5	0.6	86.5	87.0
Korea, Rep. of	669	87.9	11.4	87.9	0.6	0.1	89.0	86.9
Kuwait	499	60.9	21.5	60.9	12.5	5.1	63.8	58.6
Lithuania	657	77.9	20.0	77.9	1.5	0.6	75.3	80.4
Morocco	718	55.6	15.6	55.6	22.7	6.0	50.6	60.3
Netherlands	654	74.6	22.8	74.6	1.6	1.0	79.0	70.5
New Zealand	903	63.4	27.5	63.4	8.1	1.0	64.6	62.3
Northern Ireland	416	72.9	27.1	72.9	0.0	0.0	74.4	71.7
Norway	617	74.4	20.2	74.4	4.7	0.6	75.4	73.6
Oman	1290	75.8	11.2	75.8	11.5	1.5	80.6	70.5
Poland	674	84.4	13.4	84.4	1.7	0.6	83.2	85.5
Portugal	659	80.1	13.8	80.1	3.4	2.7	81.5	78.7
Qatar	739	69.4	18.6	69.4	10.5	1.6	73.0	65.6
Russian Federation	706	77.2	14.9	77.2	7.0	0.9	78.3	76.2
Saudi Arabia	624	70.6	11.4	70.6	14.5	3.5	77.6	63.8
Serbia	583	63.7	25.9	63.7	6.5	3.8	62.2	65.1
Singapore	929	90.9	7.7	90.9	1.1	0.2	91.9	90.0
Slovak Republic	813	87.5	8.0	87.5	3.2	1.4	86.9	87.9
Slovenia	624	84.2	10.7	84.2	3.0	2.0	83.4	84.9
Spain	1112	76.0	18.7	76.0	3.2	2.1	74.8	77.0
Sweden	599	73.0	16.5	73.0	8.9	1.6	74.3	71.9
Turkey	910	77.9	17.7	77.9	4.0	0.4	78.1	77.7
United Arab Emirates	3017	72.7	17.9	72.7	8.7	0.8	74.7	70.8
United States	1419	70.4	23.4	70.4	3.5	2.7	72.8	67.8
International Avg (n=47)	36104	75.6	16.5	75.6	6.0	1.9	76.8	74.5
Buenos Aires, Argentina	437	66.2	11.8	66.2	12.6	9.4	66.4	66.0
Ontario, Canada	649	64.5	27.3	64.5	3.3	4.9	67.2	62.0
Quebec, Canada	395	73.5	20.3	73.5	1.4	4.8	73.0	74.0
Norway (4)	587	67.0	20.3	67.0	8.9	3.9	69.1	64.8
Abu Dhabi, UAE	713	68.8	18.4	68.8	11.2	1.7	72.9	64.8
Dubai, UAE	1060	75.7	19.0	75.7	4.8	0.5	75.9	75.5
Florida, US	287	68.5	24.5	68.5	3.9	3.1	71.2	65.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_08E (S051121E): Physical Science / Knowing Type: MC Key: A
Label: Objects conductors: key

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	74.0	74.0	20.6	3.6	1.8	76.1	71.9
Bahrain	592	81.2	81.2	13.6	3.4	1.8	84.4	78.2
Belgium (Flemish)	775	75.0	75.0	22.4	1.6	1.1	77.3	72.8
Bulgaria	608	84.9	84.9	10.1	4.8	0.3	84.9	84.9
Canada	1746	71.7	71.7	20.8	2.9	4.6	74.6	69.1
Chile	678	64.7	64.7	25.9	5.0	4.4	68.0	61.4
Chinese Taipei	606	95.2	95.2	3.3	1.4	0.0	95.4	95.1
Croatia	565	84.1	84.1	13.0	2.6	0.3	81.2	87.0
Cyprus	585	77.1	77.1	14.2	4.6	4.1	79.0	75.4
Czech Republic	731	70.3	70.3	25.1	3.2	1.4	66.0	74.6
Denmark	533	71.6	71.6	19.8	3.4	5.3	73.3	69.8
England	569	81.9	81.9	14.1	2.8	1.3	80.9	82.8
Finland	720	81.5	81.5	15.5	1.9	1.1	77.7	85.1
France	696	74.2	74.2	17.5	4.1	4.1	73.2	75.3
Georgia	562	64.2	64.2	20.0	12.2	3.6	62.3	66.1
Germany	564	89.1	89.1	6.7	3.3	0.9	89.9	88.3
Hong Kong SAR	507	93.2	93.2	6.6	0.2	0.0	93.9	92.7
Hungary	725	76.6	76.6	19.0	1.7	2.7	73.1	80.1
Indonesia	567	75.4	75.4	11.9	11.6	1.1	78.3	72.7
Iran, Islamic Rep. of	547	75.7	75.7	10.7	9.4	4.2	79.7	71.9
Ireland	620	76.3	76.3	20.6	2.5	0.6	74.4	77.9
Italy	633	77.3	77.3	17.7	3.5	1.4	78.5	76.2
Japan	628	95.3	95.3	3.1	0.4	1.2	95.5	95.0
Kazakhstan	676	90.6	90.6	6.8	2.0	0.6	89.4	91.9
Korea, Rep. of	669	90.2	90.2	9.3	0.5	0.1	91.8	88.7
Kuwait	499	66.8	66.8	19.1	9.0	5.1	69.4	64.9
Lithuania	657	76.5	76.5	22.2	0.8	0.6	72.1	80.7
Morocco	718	71.6	71.6	9.0	13.3	6.0	69.1	73.9
Netherlands	654	83.6	83.6	14.3	1.1	1.0	82.6	84.6
New Zealand	902	74.5	74.5	19.5	5.1	0.9	72.8	76.1
Northern Ireland	418	78.6	78.6	21.4	0.0	0.0	79.9	77.6
Norway	617	80.2	80.2	16.1	3.0	0.6	79.3	81.1
Oman	1289	83.8	83.8	8.5	6.3	1.4	86.2	81.2
Poland	674	83.5	83.5	14.5	1.5	0.6	81.0	86.0
Portugal	659	77.2	77.2	17.4	2.7	2.7	79.7	74.9
Qatar	739	71.7	71.7	17.4	9.4	1.6	76.5	66.5
Russian Federation	706	73.6	73.6	21.6	3.8	0.9	70.9	76.2
Saudi Arabia	623	72.8	72.8	12.5	11.2	3.5	77.9	67.7
Serbia	583	59.6	59.6	31.3	5.3	3.8	54.2	64.4
Singapore	929	90.6	90.6	8.6	0.6	0.2	89.5	91.5
Slovak Republic	813	81.3	81.3	15.2	2.1	1.4	81.6	81.0
Slovenia	624	86.0	86.0	9.2	2.7	2.0	84.5	87.3
Spain	1112	79.4	79.4	16.8	1.7	2.1	79.5	79.2
Sweden	599	82.3	82.3	11.2	4.9	1.6	84.1	80.6
Turkey	910	71.8	71.8	24.7	3.0	0.4	71.5	72.2
United Arab Emirates	3017	76.4	76.4	15.3	7.6	0.8	77.8	75.1
United States	1419	83.7	83.7	10.7	2.9	2.7	85.5	81.6
International Avg (n=47)	36104	78.7	78.7	15.4	4.1	1.9	78.8	78.5
Buenos Aires, Argentina	437	63.6	63.6	16.6	10.4	9.4	59.3	66.9
Ontario, Canada	651	69.6	69.6	23.0	2.6	4.8	73.1	66.2
Quebec, Canada	395	79.6	79.6	14.9	0.7	4.8	79.8	79.4
Norway (4)	587	66.2	66.2	22.3	7.7	3.9	70.1	62.4
Abu Dhabi, UAE	713	73.0	73.0	15.3	10.0	1.7	75.9	70.2
Dubai, UAE	1060	82.2	82.2	13.1	4.2	0.5	81.6	82.7
Florida, US	287	83.4	83.4	9.9	3.6	3.1	85.4	81.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_08Z (S051121Z): Physical Science / Knowing Type: CR 1 Point
Label: Objects conductors (DERIVED)

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	44.0	51.8	44.0	2.4	1.8	47.7	40.7
Bahrain	592	42.7	53.4	42.7	2.2	1.8	47.3	38.2
Belgium (Flemish)	775	49.9	47.7	49.9	1.4	1.1	50.8	48.9
Bulgaria	608	51.5	45.4	51.5	2.8	0.3	51.9	51.2
Canada	1738	41.4	51.9	41.4	2.1	4.6	45.1	37.8
Chile	678	37.6	54.8	37.6	3.2	4.4	41.5	33.7
Chinese Taipei	606	78.1	21.7	78.1	0.2	0.0	77.6	78.5
Croatia	565	53.7	44.0	53.7	2.0	0.3	52.3	55.1
Cyprus	585	49.7	42.3	49.7	4.0	4.1	51.4	48.0
Czech Republic	731	48.1	48.5	48.1	2.0	1.4	42.5	53.7
Denmark	533	46.2	46.0	46.2	2.6	5.3	51.7	40.6
England	569	60.4	37.3	60.4	1.1	1.3	60.2	60.6
Finland	720	49.2	49.3	49.2	0.5	1.1	49.2	49.1
France	696	46.9	46.0	46.9	3.0	4.1	49.6	43.8
Georgia	562	36.0	54.9	36.0	5.5	3.6	34.4	37.7
Germany	564	61.8	35.2	61.8	2.1	0.9	66.8	57.3
Hong Kong SAR	507	68.1	31.7	68.1	0.2	0.0	65.7	69.8
Hungary	725	48.0	48.1	48.0	1.2	2.7	45.4	50.7
Indonesia	567	42.1	53.5	42.1	3.3	1.1	43.9	40.4
Iran, Islamic Rep. of	547	43.5	49.1	43.5	3.1	4.2	45.2	42.0
Ireland	620	42.8	55.8	42.8	0.8	0.6	42.9	42.6
Italy	633	49.8	47.8	49.8	1.0	1.4	52.4	47.3
Japan	628	78.0	20.4	78.0	0.4	1.2	79.1	77.0
Kazakhstan	676	55.7	43.6	55.7	0.1	0.6	54.5	57.0
Korea, Rep. of	669	55.4	44.3	55.4	0.2	0.1	61.9	49.3
Kuwait	499	24.4	65.9	24.4	4.6	5.1	23.1	26.2
Lithuania	657	47.0	51.8	47.0	0.6	0.6	45.6	48.4
Morocco	718	30.2	56.2	30.2	7.6	6.0	21.9	37.8
Netherlands	654	53.0	45.2	53.0	0.8	1.0	60.1	46.4
New Zealand	902	38.2	59.2	38.2	1.7	0.9	39.5	36.9
Northern Ireland	413	45.9	54.1	45.9	0.0	0.0	49.9	42.9
Norway	617	50.1	47.7	50.1	1.6	0.6	50.8	49.4
Oman	1278	47.1	48.1	47.1	3.4	1.4	50.6	43.2
Poland	674	55.2	42.9	55.2	1.3	0.6	50.8	59.7
Portugal	659	54.7	41.9	54.7	0.7	2.7	60.2	49.4
Qatar	739	41.0	48.7	41.0	8.8	1.6	45.9	35.7
Russian Federation	706	39.4	58.7	39.4	0.9	0.9	38.1	40.7
Saudi Arabia	617	40.7	50.1	40.7	5.7	3.5	44.0	37.4
Serbia	583	22.8	71.2	22.8	2.1	3.8	16.0	29.0
Singapore	929	65.0	34.3	65.0	0.5	0.2	65.0	65.1
Slovak Republic	813	60.9	36.8	60.9	0.9	1.4	61.5	60.4
Slovenia	624	66.3	29.8	66.3	1.9	2.0	66.8	65.8
Spain	1112	50.7	45.9	50.7	1.2	2.1	49.8	51.5
Sweden	599	52.1	44.3	52.1	2.0	1.6	57.5	47.0
Turkey	910	40.4	58.0	40.4	1.1	0.4	41.5	39.3
United Arab Emirates	3016	42.5	54.1	42.5	2.7	0.8	43.0	42.0
United States	1419	55.1	40.6	55.1	1.5	2.7	56.8	53.3
International Avg (n=47)	36073	49.0	47.0	49.0	2.1	1.9	50.0	48.1
Buenos Aires, Argentina	437	39.0	43.1	39.0	8.5	9.4	39.2	38.8
Ontario, Canada	648	37.6	55.3	37.6	2.2	4.9	39.0	36.3
Quebec, Canada	392	53.5	41.2	53.5	0.5	4.9	58.6	48.0
Norway (4)	587	37.9	54.9	37.9	3.3	3.9	40.3	35.6
Abu Dhabi, UAE	713	38.5	56.6	38.5	3.2	1.7	39.6	37.5
Dubai, UAE	1060	51.4	46.4	51.4	1.7	0.5	49.6	53.1
Florida, US	287	52.8	41.1	52.8	2.9	3.1	54.9	50.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S03_09 (S051147): Physical Science / Knowing Type: CR 1 Point
Label: Marble rolls down the track

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	25.3	65.8	25.3	6.9	2.0	20.2	30.0
Bahrain	592	20.4	67.2	20.4	10.6	1.9	23.6	17.2
Belgium (Flemish)	775	29.3	61.2	29.3	8.4	1.1	31.1	27.6
Bulgaria	608	38.5	38.5	38.5	22.6	0.4	37.8	39.1
Canada	1749	29.1	55.8	29.1	10.0	5.1	25.3	33.0
Chile	677	18.0	54.3	18.0	22.5	5.1	13.1	23.1
Chinese Taipei	606	29.1	53.5	29.1	17.3	0.0	22.3	34.9
Croatia	565	26.0	54.9	26.0	17.9	1.2	20.6	31.4
Cyprus	585	11.4	62.7	11.4	20.6	5.3	8.9	13.7
Czech Republic	731	36.6	44.1	36.6	17.2	2.1	33.2	39.9
Denmark	533	45.0	38.3	45.0	11.0	5.8	38.4	51.7
England	569	34.9	57.0	34.9	6.3	1.7	29.4	39.8
Finland	720	33.9	53.2	33.9	11.5	1.4	27.1	40.4
France	696	9.1	64.2	9.1	21.5	5.3	5.8	12.7
Georgia	562	6.3	70.8	6.3	19.3	3.7	6.3	6.2
Germany	564	32.2	51.9	32.2	14.1	1.8	26.8	36.6
Hong Kong SAR	507	27.1	63.3	27.1	9.6	0.0	17.8	33.4
Hungary	725	28.5	53.6	28.5	15.2	2.7	24.3	32.7
Indonesia	567	16.5	60.4	16.5	21.2	1.9	11.4	21.3
Iran, Islamic Rep. of	547	7.5	73.0	7.5	13.4	6.1	5.9	9.0
Ireland	620	31.3	63.6	31.3	4.3	0.8	21.6	39.5
Italy	633	14.9	55.0	14.9	28.0	2.1	11.6	18.1
Japan	628	23.3	61.0	23.3	14.5	1.2	18.7	27.5
Kazakhstan	676	59.6	33.6	59.6	6.2	0.6	61.6	57.5
Korea, Rep. of	669	36.8	58.8	36.8	4.3	0.1	37.5	36.2
Kuwait	499	15.7	34.9	15.7	43.9	5.6	14.6	17.0
Lithuania	657	22.8	62.8	22.8	13.8	0.6	21.5	24.0
Morocco	718	12.3	49.3	12.3	31.0	7.4	9.7	14.8
Netherlands	654	39.3	53.5	39.3	5.6	1.5	38.9	39.7
New Zealand	903	27.4	60.5	27.4	10.9	1.3	20.8	33.7
Northern Ireland	432	28.7	60.8	28.7	9.3	1.2	24.6	31.8
Norway	617	37.4	53.9	37.4	7.3	1.3	33.0	41.6
Oman	1293	13.5	59.7	13.5	25.3	1.6	14.8	12.0
Poland	674	23.2	61.9	23.2	14.1	0.7	18.8	27.7
Portugal	659	14.3	68.6	14.3	13.4	3.7	13.0	15.6
Qatar	739	10.9	66.2	10.9	20.4	2.4	10.9	10.9
Russian Federation	706	52.6	37.4	52.6	8.9	1.1	50.8	54.2
Saudi Arabia	629	24.5	48.7	24.5	23.2	3.5	29.6	19.6
Serbia	583	19.8	62.1	19.8	13.9	4.2	13.0	26.0
Singapore	929	28.0	69.2	28.0	2.6	0.2	23.3	32.1
Slovak Republic	813	42.5	42.3	42.5	13.3	1.8	40.5	44.3
Slovenia	624	15.4	63.8	15.4	18.5	2.3	14.9	15.8
Spain	1112	25.3	57.9	25.3	14.4	2.4	19.8	30.4
Sweden	599	45.9	39.8	45.9	11.3	3.0	41.4	50.5
Turkey	910	6.3	83.3	6.3	9.9	0.5	5.5	7.1
United Arab Emirates	3017	23.1	53.3	23.1	22.5	1.0	22.1	24.0
United States	1419	39.1	53.2	39.1	4.6	3.2	33.9	44.8
International Avg (n=47)	36131	26.4	56.6	26.4	14.7	2.3	23.3	29.2
Buenos Aires, Argentina	436	13.4	36.9	13.4	39.1	10.5	8.3	17.4
Ontario, Canada	651	36.6	50.4	36.6	7.2	5.7	32.9	40.1
Quebec, Canada	395	18.1	66.2	18.1	10.9	4.8	14.5	22.0
Norway (4)	587	27.6	48.0	27.6	18.9	5.5	21.7	33.3
Abu Dhabi, UAE	713	19.9	51.5	19.9	26.8	1.8	20.9	18.9
Dubai, UAE	1060	29.6	57.0	29.6	12.3	1.1	24.5	34.4
Florida, US	287	36.3	54.9	36.3	4.8	3.9	36.5	36.1

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S03_10 (S051105): Earth Science / Knowing Type: MC Key: A
Label: Water on sidewalk

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	72.5	72.5	6.0	8.4	9.3	1.5	2.2	73.7	71.4
Bahrain	592	66.9	66.9	8.2	8.0	12.6	1.9	2.3	71.8	62.1
Belgium (Flemish)	775	81.3	81.3	3.5	6.1	6.8	1.1	1.2	79.9	82.6
Bulgaria	608	89.8	89.8	2.9	3.8	1.8	1.1	0.5	90.8	89.0
Canada	1746	69.4	69.4	4.8	7.8	10.1	2.0	5.8	72.1	66.9
Chile	678	39.6	39.6	17.2	10.2	24.7	2.8	5.5	41.9	37.2
Chinese Taipei	606	94.9	94.9	0.5	0.6	3.2	0.8	0.0	94.6	95.2
Croatia	565	78.6	78.6	6.5	5.0	7.2	1.6	1.2	76.6	80.5
Cyprus	585	47.0	47.0	14.7	10.0	20.4	1.9	6.0	49.0	45.1
Czech Republic	731	61.3	61.3	5.3	8.6	19.5	1.8	3.4	61.0	61.7
Denmark	533	49.6	49.6	9.7	16.6	13.7	3.6	6.8	49.5	49.7
England	569	67.7	67.7	10.6	9.4	9.1	1.1	2.0	70.0	65.7
Finland	720	85.8	85.8	2.4	4.5	4.1	0.7	2.5	87.3	84.3
France	696	71.5	71.5	2.4	6.2	12.6	1.8	5.5	70.8	72.2
Georgia	562	62.0	62.0	8.0	6.2	16.6	2.0	5.1	58.5	65.6
Germany	564	62.0	62.0	5.7	10.5	16.5	3.0	2.4	63.7	60.4
Hong Kong SAR	507	88.0	88.0	2.9	5.4	2.7	1.1	0.0	88.3	87.8
Hungary	725	62.0	62.0	3.2	3.0	24.4	3.8	3.6	61.0	63.0
Indonesia	567	54.1	54.1	10.6	10.5	20.4	2.4	2.0	56.2	52.1
Iran, Islamic Rep. of	547	46.2	46.2	15.0	8.7	17.5	6.1	6.5	43.3	48.9
Ireland	620	77.2	77.2	5.4	8.0	8.2	0.3	0.9	74.9	79.1
Italy	633	50.8	50.8	11.6	14.2	18.1	2.5	2.7	49.0	52.5
Japan	628	88.2	88.2	0.2	5.4	3.4	1.6	1.3	88.9	87.5
Kazakhstan	676	73.1	73.1	2.5	1.5	21.2	0.6	1.1	77.1	69.0
Korea, Rep. of	669	96.2	96.2	0.3	1.7	1.5	0.2	0.1	95.5	96.9
Kuwait	499	54.2	54.2	13.4	7.0	12.3	5.2	7.9	53.7	55.5
Lithuania	657	54.0	54.0	3.9	12.0	28.2	1.1	0.8	56.0	52.0
Morocco	718	51.8	51.8	13.7	9.8	13.0	3.1	8.6	50.1	53.4
Netherlands	654	60.7	60.7	8.9	16.5	10.2	1.5	2.3	62.3	59.2
New Zealand	903	71.6	71.6	7.5	7.2	9.7	2.1	1.9	74.0	69.3
Northern Ireland	419	71.7	71.7	7.1	9.3	11.9	0.0	0.0	69.3	73.6
Norway	617	62.2	62.2	4.7	12.9	17.6	1.2	1.4	62.7	61.6
Oman	1286	65.5	65.5	12.3	7.3	11.6	1.8	1.5	70.0	60.5
Poland	674	86.3	86.3	2.3	4.5	4.7	1.0	1.1	88.9	83.7
Portugal	659	74.0	74.0	7.9	3.8	9.0	1.0	4.3	72.2	75.7
Qatar	739	64.0	64.0	11.8	4.6	14.1	2.4	3.0	70.3	57.4
Russian Federation	706	82.5	82.5	3.4	5.2	5.6	2.0	1.2	82.5	82.5
Saudi Arabia	626	62.3	62.3	10.7	8.1	12.3	2.7	3.9	66.3	58.4
Serbia	583	69.0	69.0	3.0	4.5	14.0	4.6	5.0	70.6	67.4
Singapore	929	87.4	87.4	5.9	2.7	3.4	0.3	0.2	85.3	89.3
Slovak Republic	813	86.4	86.4	2.4	2.2	5.3	1.6	2.0	85.9	86.8
Slovenia	624	76.5	76.5	4.5	3.0	11.0	2.4	2.6	76.4	76.6
Spain	1112	86.6	86.6	2.0	1.2	6.1	1.3	2.9	84.3	88.7
Sweden	599	75.2	75.2	3.7	6.7	8.7	2.6	3.0	77.9	72.6
Turkey	910	69.6	69.6	8.4	6.6	13.8	0.8	0.8	68.8	70.4
United Arab Emirates	3017	67.3	67.3	12.0	5.9	11.2	2.4	1.2	69.0	65.7
United States	1419	83.6	83.6	2.9	3.2	4.2	2.7	3.4	83.9	83.2
International Avg (n=47)	36106	70.2	70.2	6.7	6.9	11.6	1.9	2.8	70.8	69.6
Buenos Aires, Argentina	437	36.5	36.5	12.2	11.3	17.1	9.3	13.6	33.9	38.4
Ontario, Canada	651	73.6	73.6	4.7	6.4	7.1	2.0	6.2	75.4	71.8
Quebec, Canada	394	61.1	61.1	3.8	11.0	16.8	0.7	6.6	62.2	59.9
Norway (4)	587	47.3	47.3	7.5	13.6	23.5	2.3	5.7	44.1	50.5
Abu Dhabi, UAE	713	58.5	58.5	14.0	8.0	14.8	2.9	1.8	63.5	53.8
Dubai, UAE	1060	76.2	76.2	9.4	4.4	7.5	1.3	1.1	75.6	76.8
Florida, US	287	81.7	81.7	4.1	3.5	3.8	2.2	4.7	79.3	84.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_l1 (S051110): Earth Science / Applying Type: MC Key: D
Label: What shellfish tell scientists

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	65.7	10.2	18.0	1.9	65.7	1.8	2.5	63.5	67.6
Bahrain	592	47.7	14.1	25.7	7.4	47.7	2.5	2.6	49.2	46.1
Belgium (Flemish)	775	43.8	13.8	31.3	6.8	43.8	2.8	1.5	45.7	42.1
Bulgaria	608	68.8	8.5	12.9	5.5	68.8	3.7	0.5	71.8	66.2
Canada	1748	57.6	9.8	20.0	4.0	57.6	2.4	6.1	58.8	56.5
Chile	678	51.0	12.6	19.3	7.8	51.0	3.6	5.7	52.2	49.8
Chinese Taipei	606	52.6	30.8	12.0	1.6	52.6	3.0	0.0	49.0	55.6
Croatia	565	80.1	5.7	10.8	1.1	80.1	1.0	1.3	83.3	76.9
Cyprus	585	48.6	9.6	25.2	7.1	48.6	3.4	6.0	51.5	46.0
Czech Republic	731	71.2	6.3	13.3	2.5	71.2	2.7	4.0	71.0	71.4
Denmark	533	62.5	5.9	16.2	5.1	62.5	2.5	7.8	60.7	64.2
England	569	66.9	10.5	16.4	3.1	66.9	1.1	2.0	67.9	66.0
Finland	720	68.2	7.1	15.4	3.1	68.2	3.7	2.5	70.5	66.0
France	696	45.4	9.0	34.2	2.9	45.4	2.6	6.0	47.5	43.1
Georgia	562	58.5	13.2	15.2	3.7	58.5	4.3	5.1	55.9	61.2
Germany	564	55.8	14.2	20.1	2.8	55.8	4.2	2.8	55.8	56.0
Hong Kong SAR	507	64.6	19.5	12.5	1.6	64.6	1.8	0.0	63.5	65.4
Hungary	725	74.7	6.1	9.2	2.6	74.7	3.7	3.8	74.2	75.2
Indonesia	567	40.0	21.2	25.6	8.4	40.0	2.3	2.4	47.2	33.2
Iran, Islamic Rep. of	547	54.1	9.9	15.7	8.1	54.1	3.7	8.5	58.2	50.3
Ireland	620	67.2	11.8	17.5	1.5	67.2	0.9	1.0	64.3	69.6
Italy	633	74.0	5.3	12.9	3.5	74.0	1.4	2.8	72.0	76.0
Japan	628	89.7	3.4	3.3	0.1	89.7	2.1	1.3	88.8	90.6
Kazakhstan	676	76.4	6.3	13.0	2.2	76.4	0.8	1.3	75.5	77.4
Korea, Rep. of	669	73.5	15.0	9.7	0.9	73.5	0.6	0.3	68.9	77.8
Kuwait	498	25.1	20.5	22.4	10.9	25.1	12.1	9.0	29.2	20.9
Lithuania	657	59.2	11.4	23.8	3.5	59.2	1.0	1.0	60.5	57.9
Morocco	718	32.9	15.2	23.3	14.3	32.9	5.6	8.6	34.7	31.3
Netherlands	654	55.2	17.2	17.2	7.1	55.2	0.8	2.4	57.0	53.6
New Zealand	903	61.9	10.8	17.5	4.4	61.9	3.3	2.1	62.1	61.8
Northern Ireland	420	72.2	10.8	13.0	3.7	72.2	0.3	0.0	68.8	74.8
Norway	617	64.9	12.7	15.1	3.0	64.9	2.9	1.4	65.3	64.5
Oman	1290	38.8	15.0	29.3	12.0	38.8	3.0	1.9	41.5	35.9
Poland	674	75.3	5.4	14.3	2.6	75.3	1.2	1.1	80.2	70.4
Portugal	659	55.1	9.5	22.2	6.0	55.1	2.1	5.1	53.6	56.5
Qatar	739	44.2	14.4	24.1	9.9	44.2	3.9	3.5	49.6	38.3
Russian Federation	706	80.9	2.7	10.7	2.6	80.9	1.5	1.5	80.1	81.7
Saudi Arabia	627	28.4	17.5	27.5	15.0	28.4	7.5	4.1	36.2	20.7
Serbia	583	49.0	10.7	24.4	3.4	49.0	5.1	7.4	48.3	49.8
Singapore	929	66.5	10.4	19.0	3.2	66.5	0.7	0.2	66.4	66.5
Slovak Republic	813	60.8	8.7	22.2	3.2	60.8	2.6	2.4	62.6	59.2
Slovenia	624	62.8	9.3	20.8	2.0	62.8	2.4	2.7	65.5	60.5
Spain	1112	68.5	9.9	10.9	5.2	68.5	2.0	3.5	63.8	72.8
Sweden	599	66.0	5.1	19.0	4.4	66.0	1.8	3.6	67.1	64.8
Turkey	910	56.3	15.9	15.1	10.5	56.3	1.1	1.0	54.8	57.9
United Arab Emirates	3017	42.7	15.1	29.6	8.0	42.7	3.1	1.5	43.9	41.7
United States	1419	62.7	10.2	19.3	2.1	62.7	1.6	4.1	65.3	59.9
International Avg (n=47)	36113	59.3	11.5	18.4	5.0	59.3	2.7	3.1	60.1	58.5
Buenos Aires, Argentina	437	41.6	7.4	18.7	3.4	41.6	14.6	14.2	40.8	42.2
Ontario, Canada	651	59.0	9.3	19.8	3.2	59.0	1.9	6.7	59.7	58.4
Quebec, Canada	395	53.3	7.7	25.1	4.6	53.3	2.6	6.7	54.6	52.0
Norway (4)	587	57.5	13.0	16.3	4.6	57.5	2.7	5.9	61.3	53.9
Abu Dhabi, UAE	713	37.4	16.3	30.8	9.1	37.4	4.3	2.2	37.9	37.0
Dubai, UAE	1060	54.4	12.1	25.2	4.4	54.4	2.3	1.5	55.7	53.2
Florida, US	287	61.7	9.6	19.4	2.4	61.7	1.7	5.1	62.4	61.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S03_12 (S0511111): Earth Science / Applying Type: MC Key: B
Label: Shadow of tree at different times

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	841	69.8	2.8	69.8	16.3	7.5	1.1	2.6	66.3	73.0
Bahrain	592	52.1	11.2	52.1	16.2	15.8	0.7	4.0	55.4	48.8
Belgium (Flemish)	775	61.8	5.4	61.8	18.4	10.8	1.6	2.1	58.2	65.2
Bulgaria	608	67.3	8.3	67.3	12.0	9.1	2.3	1.1	65.2	69.1
Canada	1746	57.5	6.1	57.5	19.8	8.0	1.4	7.2	54.0	60.9
Chile	678	58.4	8.8	58.4	18.6	5.5	1.7	6.9	56.1	60.7
Chinese Taipei	606	82.8	4.1	82.8	7.7	4.2	1.0	0.2	77.5	87.2
Croatia	565	74.1	4.0	74.1	11.3	8.2	0.4	2.0	73.0	75.3
Cyprus	585	57.3	8.0	57.3	17.0	9.4	0.8	7.5	55.4	59.1
Czech Republic	731	61.3	7.4	61.3	15.9	8.7	1.5	5.1	56.8	65.7
Denmark	533	67.3	5.4	67.3	14.1	4.2	1.0	8.0	61.0	73.6
England	569	68.3	4.7	68.3	17.1	6.8	0.8	2.3	68.2	68.4
Finland	720	76.6	3.7	76.6	9.3	3.6	2.9	3.8	74.5	78.7
France	696	59.3	7.1	59.3	14.8	9.8	1.8	7.2	51.3	68.2
Georgia	562	55.3	9.2	55.3	16.4	11.5	1.5	6.1	48.1	62.5
Germany	564	58.7	8.2	58.7	19.0	6.7	3.3	4.1	51.5	64.8
Hong Kong SAR	507	79.9	4.8	79.9	9.0	5.0	1.3	0.0	73.9	84.0
Hungary	725	65.7	6.6	65.7	13.7	6.4	2.3	5.3	60.5	71.0
Indonesia	567	52.8	11.8	52.8	16.2	15.0	1.6	2.6	45.8	59.4
Iran, Islamic Rep. of	547	45.4	14.7	45.4	14.4	12.4	3.5	9.6	40.0	50.5
Ireland	620	64.8	6.3	64.8	18.2	8.4	1.0	1.3	58.8	69.9
Italy	633	70.0	6.6	70.0	11.3	8.3	0.6	3.2	63.1	76.3
Japan	628	82.3	4.3	82.3	6.6	4.6	0.5	1.6	79.2	85.2
Kazakhstan	676	80.9	4.2	80.9	8.1	5.2	0.2	1.4	78.8	83.2
Korea, Rep. of	669	84.9	5.1	84.9	6.0	3.0	0.4	0.5	83.1	86.7
Kuwait	498	37.2	17.4	37.2	13.5	13.5	7.2	11.3	36.8	38.1
Lithuania	657	64.1	5.5	64.1	17.3	11.6	0.2	1.3	61.2	66.9
Morocco	718	41.2	15.4	41.2	12.3	16.7	2.4	12.0	35.7	46.3
Netherlands	654	60.9	6.1	60.9	19.9	9.8	0.6	2.7	54.7	66.7
New Zealand	903	62.8	6.5	62.8	19.3	6.6	1.8	3.0	55.6	69.7
Northern Ireland	420	65.1	4.9	65.1	18.0	11.4	0.6	0.0	55.5	72.4
Norway	617	74.7	5.7	74.7	12.1	4.9	0.5	2.1	69.9	79.3
Oman	1288	53.5	13.2	53.5	15.3	13.4	1.8	2.8	50.5	56.9
Poland	674	73.1	3.9	73.1	11.3	9.9	0.6	1.2	69.9	76.4
Portugal	659	66.4	4.0	66.4	14.7	7.5	1.2	6.3	59.2	73.3
Qatar	739	43.7	12.6	43.7	21.7	15.3	2.2	4.6	40.9	46.7
Russian Federation	706	64.7	5.7	64.7	19.5	7.4	1.2	1.6	62.2	67.0
Saudi Arabia	624	37.5	12.6	37.5	24.6	17.1	2.7	5.6	38.8	36.2
Serbia	583	64.3	4.7	64.3	11.8	9.7	1.8	7.7	61.4	66.9
Singapore	929	79.1	4.2	79.1	10.9	5.1	0.5	0.2	76.5	81.5
Slovak Republic	813	56.5	8.5	56.5	23.6	6.8	1.2	3.5	53.6	59.0
Slovenia	624	61.2	8.9	61.2	16.3	9.3	0.7	3.5	58.5	63.5
Spain	1112	54.8	10.2	54.8	21.3	8.1	1.2	4.4	45.5	63.6
Sweden	599	71.3	7.8	71.3	6.9	8.0	1.4	4.6	68.5	74.2
Turkey	910	54.1	10.3	54.1	15.9	17.4	0.7	1.6	45.8	62.3
United Arab Emirates	3017	55.8	12.1	55.8	13.7	14.8	1.6	2.0	52.3	59.0
United States	1419	61.7	5.6	61.7	18.5	8.4	1.1	4.7	55.9	68.0
International Avg (n=47)	36106	62.9	7.5	62.9	15.0	9.2	1.5	3.9	58.8	66.8
Buenos Aires, Argentina	437	48.9	6.6	48.9	12.6	7.4	7.2	17.2	46.4	50.8
Ontario, Canada	651	57.6	6.0	57.6	19.7	7.2	2.2	7.4	50.3	64.4
Quebec, Canada	395	54.8	6.0	54.8	20.0	10.9	0.9	7.3	54.2	55.4
Norway (4)	587	58.1	9.0	58.1	14.8	9.0	2.1	6.9	51.2	64.9
Abu Dhabi, UAE	713	50.5	14.3	50.5	13.3	16.4	2.0	3.6	49.1	51.8
Dubai, UAE	1060	63.6	9.8	63.6	12.6	11.0	1.5	1.5	59.3	67.7
Florida, US	287	55.7	5.2	55.7	21.6	10.7	1.1	5.7	50.8	60.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S04_01 (S061135): Life Science / Knowing Type: MC Key: C
Label: Milk important for balanced diet

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	84.9	4.4	6.3	84.9	3.5	0.9	0.0	87.1	82.9
Bahrain	596	67.9	6.2	15.1	67.9	9.5	0.7	0.6	70.0	65.7
Belgium (Flemish)	771	72.8	6.6	9.5	72.8	9.1	2.0	0.0	72.2	73.3
Bulgaria	601	77.6	5.1	11.1	77.6	4.4	1.6	0.1	77.9	77.4
Canada	1717	86.4	4.9	3.9	86.4	4.2	0.4	0.2	86.6	86.3
Chile	673	78.8	7.1	9.8	78.8	2.3	0.7	1.4	80.2	77.4
Chinese Taipei	606	81.9	8.6	5.9	81.9	1.9	1.7	0.0	84.8	79.4
Croatia	565	72.6	7.0	11.3	72.6	7.7	1.3	0.0	71.1	74.2
Cyprus	584	68.9	8.9	9.9	68.9	10.3	1.8	0.2	73.6	64.4
Czech Republic	730	78.7	12.1	3.6	78.7	3.7	1.8	0.0	79.7	77.7
Denmark	525	85.5	4.5	3.9	85.5	2.7	2.4	1.2	84.0	87.0
England	581	91.8	2.1	3.0	91.8	1.6	1.5	0.0	94.0	89.6
Finland	715	93.3	1.4	2.5	93.3	1.7	1.2	0.0	94.2	92.3
France	692	83.6	4.2	6.7	83.6	2.9	2.5	0.1	82.6	84.7
Georgia	564	61.6	3.5	28.1	61.6	4.2	2.3	0.3	66.3	57.3
Germany	558	65.4	10.4	9.1	65.4	11.3	3.8	0.0	67.5	63.4
Hong Kong SAR	505	74.2	6.7	12.4	74.2	6.6	0.2	0.0	74.8	73.7
Hungary	721	67.4	8.1	11.2	67.4	7.7	5.6	0.0	71.4	63.8
Indonesia	576	52.2	16.7	13.8	52.2	14.6	1.4	1.3	57.1	47.2
Iran, Islamic Rep. of	543	60.5	5.4	18.9	60.5	7.5	6.3	1.4	65.2	56.4
Ireland	621	92.0	1.5	4.7	92.0	1.1	0.6	0.0	91.4	92.4
Italy	631	88.8	2.0	2.6	88.8	4.4	2.1	0.3	87.7	89.7
Japan	625	91.2	1.1	3.1	91.2	4.1	0.4	0.0	90.7	91.8
Kazakhstan	679	66.0	9.8	19.9	66.0	3.8	0.5	0.0	64.3	67.5
Korea, Rep. of	670	93.4	1.3	4.2	93.4	0.5	0.7	0.0	95.1	91.8
Kuwait	506	45.5	8.9	18.7	45.5	9.5	15.3	2.1	49.4	41.5
Lithuania	648	81.1	6.0	9.2	81.1	1.8	1.9	0.0	83.0	79.3
Morocco	721	59.1	6.7	18.5	59.1	11.6	3.8	0.2	57.6	60.4
Netherlands	654	77.2	9.9	5.2	77.2	5.8	1.5	0.3	78.3	76.1
New Zealand	911	84.4	6.3	2.7	84.4	3.3	3.3	0.1	87.7	81.0
Northern Ireland	437	90.6	4.3	3.8	90.6	1.0	0.3	0.0	93.4	88.5
Norway	629	65.8	13.4	13.4	65.8	6.6	0.8	0.0	65.3	66.2
Oman	1300	67.4	5.0	11.3	67.4	13.9	2.4	0.1	70.1	64.4
Poland	678	86.5	5.5	5.3	86.5	1.9	0.7	0.0	87.8	85.0
Portugal	671	87.8	3.5	4.2	87.8	1.7	2.8	0.0	90.2	85.7
Qatar	745	59.6	7.2	17.7	59.6	12.8	2.3	0.4	61.1	58.1
Russian Federation	712	73.3	8.6	12.1	73.3	2.8	3.3	0.0	73.8	72.8
Saudi Arabia	637	53.1	10.5	23.0	53.1	10.3	2.4	0.6	60.9	45.7
Serbia	576	74.2	6.0	10.1	74.2	6.7	2.0	1.1	76.0	72.6
Singapore	930	89.7	3.7	4.4	89.7	2.0	0.2	0.0	92.2	87.6
Slovak Republic	824	82.5	6.1	7.3	82.5	2.4	1.6	0.1	84.3	80.7
Slovenia	632	67.8	14.8	9.0	67.8	7.1	1.3	0.0	67.2	68.4
Spain	1100	86.0	4.5	4.2	86.0	3.0	2.1	0.1	87.2	84.9
Sweden	595	87.5	2.0	4.4	87.5	3.8	2.1	0.1	91.8	83.6
Turkey	922	83.0	3.0	10.4	83.0	3.1	0.3	0.2	85.6	80.5
United Arab Emirates	3026	67.5	5.2	14.7	67.5	9.9	2.5	0.1	67.4	67.7
United States	1438	82.0	6.3	7.3	82.0	2.9	1.2	0.4	83.4	80.4
International Avg (n=47)	36199	76.4	6.3	9.5	76.4	5.4	2.1	0.3	77.9	74.9
Buenos Aires, Argentina	434	66.2	5.1	12.0	66.2	2.3	9.2	5.1	68.3	64.5
Ontario, Canada	637	89.0	3.6	2.8	89.0	4.1	0.3	0.2	89.7	88.2
Quebec, Canada	386	82.3	6.9	4.0	82.3	6.4	0.3	0.2	81.9	82.8
Norway (4)	590	49.4	19.0	20.0	49.4	10.0	1.4	0.3	43.0	54.5
Abu Dhabi, UAE	710	63.0	6.4	16.7	63.0	10.9	2.7	0.2	61.9	64.2
Dubai, UAE	1070	78.6	4.1	9.7	78.6	6.1	1.4	0.1	80.4	76.7
Florida, US	286	83.2	2.8	9.1	83.2	2.7	1.8	0.4	86.8	79.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S04_02 (S061069): Life Science / Knowing Type: CR 1 Point
Label: Plants make their own food

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	60.5	34.6	4.1	60.5	0.9	0.0	61.1	59.9
Bahrain	596	70.0	18.3	6.7	70.0	4.3	0.6	72.3	67.5
Belgium (Flemish)	771	46.2	39.2	8.3	46.2	6.3	0.0	48.9	43.8
Bulgaria	601	55.0	23.8	7.2	55.0	13.6	0.4	58.7	51.5
Canada	1719	69.5	24.5	3.5	69.5	2.3	0.2	66.2	72.9
Chile	673	24.8	60.3	8.2	24.8	5.3	1.4	27.0	22.8
Chinese Taipei	606	49.2	29.7	13.5	49.2	7.6	0.0	52.1	46.6
Croatia	565	54.1	36.2	7.3	54.1	2.4	0.0	54.8	53.4
Cyprus	584	65.5	16.0	6.2	65.5	12.2	0.2	68.4	62.6
Czech Republic	730	49.7	32.9	7.1	49.7	10.4	0.0	50.5	48.8
Denmark	525	59.0	29.0	4.9	59.0	5.8	1.3	64.4	53.0
England	581	68.5	24.6	4.2	68.5	2.7	0.0	69.2	67.8
Finland	715	67.9	24.2	3.2	67.9	4.7	0.0	73.7	62.3
France	692	41.2	42.4	6.6	41.2	9.6	0.1	40.6	41.9
Georgia	564	33.0	33.2	15.1	33.0	18.3	0.3	34.4	31.8
Germany	558	56.8	26.8	4.0	56.8	12.4	0.0	58.7	54.9
Hong Kong SAR	505	57.5	20.5	16.0	57.5	6.0	0.0	58.2	57.0
Hungary	721	57.5	31.5	6.4	57.5	4.6	0.0	59.0	56.1
Indonesia	576	25.5	16.6	45.7	25.5	10.9	1.3	27.8	23.0
Iran, Islamic Rep. of	543	37.1	29.5	12.7	37.1	19.0	1.7	34.3	39.4
Ireland	621	66.7	25.8	5.4	66.7	2.1	0.0	71.5	62.7
Italy	631	59.4	26.5	7.2	59.4	6.6	0.3	57.7	60.9
Japan	625	70.8	12.8	10.7	70.8	5.6	0.0	71.2	70.5
Kazakhstan	679	72.5	12.6	9.4	72.5	5.5	0.0	73.9	71.2
Korea, Rep. of	670	81.7	14.5	2.5	81.7	1.4	0.0	79.2	84.1
Kuwait	506	56.4	8.3	11.1	56.4	21.6	2.5	64.2	48.4
Lithuania	648	60.8	24.2	7.2	60.8	7.9	0.0	63.2	58.4
Morocco	721	32.1	22.3	28.3	32.1	16.6	0.7	31.4	32.8
Netherlands	654	49.7	39.2	7.2	49.7	3.3	0.5	50.0	49.4
New Zealand	911	62.8	25.8	7.9	62.8	3.3	0.1	67.1	58.4
Northern Ireland	440	50.0	38.3	7.8	50.0	3.6	0.2	49.8	50.2
Norway	629	70.3	22.6	4.3	70.3	2.6	0.2	71.2	69.5
Oman	1302	60.2	14.3	18.5	60.2	7.0	0.1	65.6	54.3
Poland	678	59.2	31.6	3.9	59.2	5.4	0.0	62.1	55.8
Portugal	671	32.7	23.1	30.7	32.7	13.5	0.1	29.9	35.1
Qatar	745	58.0	18.7	14.6	58.0	8.1	0.5	62.6	53.1
Russian Federation	712	60.9	25.7	3.9	60.9	9.5	0.0	60.4	61.4
Saudi Arabia	639	53.7	14.4	14.6	53.7	16.6	0.6	63.9	43.9
Serbia	576	40.3	27.4	17.9	40.3	13.1	1.3	38.3	42.1
Singapore	930	72.8	20.8	5.9	72.8	0.5	0.0	74.7	71.1
Slovak Republic	824	53.1	28.3	7.9	53.1	10.6	0.1	52.8	53.3
Slovenia	632	46.5	40.8	5.8	46.5	6.8	0.0	47.1	45.9
Spain	1100	71.5	17.2	6.3	71.5	4.5	0.4	72.9	70.3
Sweden	595	57.8	26.7	6.7	57.8	8.6	0.1	58.7	56.9
Turkey	922	59.8	23.4	12.0	59.8	4.7	0.2	62.1	57.5
United Arab Emirates	3026	59.9	20.4	12.3	59.9	7.1	0.3	62.7	57.2
United States	1438	71.0	23.4	4.0	71.0	0.9	0.6	68.8	73.4
International Avg (n=47)	36208	56.1	26.0	9.9	56.1	7.6	0.3	57.7	54.6
Buenos Aires, Argentina	434	45.2	22.3	7.7	45.2	19.6	5.1	49.2	41.9
Ontario, Canada	638	74.8	19.9	3.4	74.8	1.6	0.2	72.0	77.6
Quebec, Canada	385	67.8	27.0	2.3	67.8	2.7	0.2	63.1	73.6
Norway (4)	590	58.8	29.2	5.1	58.8	6.6	0.3	57.7	59.6
Abu Dhabi, UAE	710	50.8	23.9	17.3	50.8	7.7	0.3	52.2	49.5
Dubai, UAE	1070	71.0	17.5	8.1	71.0	3.1	0.2	74.5	67.6
Florida, US	286	78.3	15.8	3.6	78.3	1.9	0.4	77.9	78.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S04_03 (S061134): Life Science / Applying Type: MC Key: D
Label: Lions panting on hot days

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	65.0	15.9	6.2	11.5	65.0	1.4	0.0	70.1	60.4
Bahrain	596	32.1	15.1	18.9	31.0	32.1	2.3	0.6	33.8	30.2
Belgium (Flemish)	771	67.4	7.7	10.0	12.7	67.4	2.3	0.0	66.4	68.3
Bulgaria	601	56.1	10.2	8.9	22.5	56.1	2.0	0.4	62.3	50.1
Canada	1718	61.9	11.6	11.6	13.3	61.9	1.3	0.3	67.3	56.5
Chile	673	25.7	16.1	21.7	31.6	25.7	3.4	1.4	26.7	24.8
Chinese Taipei	606	59.5	24.7	5.4	9.1	59.5	1.4	0.0	60.7	58.4
Croatia	565	59.8	10.1	7.7	21.7	59.8	0.6	0.0	57.9	61.8
Cyprus	584	35.8	13.1	23.3	23.0	35.8	4.4	0.3	36.1	35.5
Czech Republic	730	62.8	8.3	7.6	18.8	62.8	2.5	0.0	66.2	59.3
Denmark	525	57.4	12.6	12.9	11.1	57.4	4.7	1.3	61.6	52.8
England	581	63.2	9.3	11.8	13.5	63.2	2.3	0.0	66.1	60.1
Finland	715	78.1	4.4	6.3	8.6	78.1	2.5	0.0	80.4	75.9
France	692	48.3	9.4	27.0	10.5	48.3	4.6	0.1	48.4	48.2
Georgia	564	41.2	10.7	19.2	25.4	41.2	3.1	0.3	41.9	40.7
Germany	558	60.5	15.0	9.0	10.9	60.5	4.6	0.0	64.3	56.8
Hong Kong SAR	505	76.6	9.0	3.0	10.9	76.6	0.4	0.0	79.8	74.0
Hungary	721	65.4	7.0	4.2	19.4	65.4	3.9	0.0	70.0	61.3
Indonesia	576	16.4	16.5	23.3	40.5	16.4	1.9	1.4	16.7	16.0
Iran, Islamic Rep. of	543	37.3	11.3	16.7	25.7	37.3	7.2	1.9	40.9	34.3
Ireland	621	68.9	10.3	7.0	13.2	68.9	0.7	0.0	69.5	68.4
Italy	631	27.5	12.9	28.6	26.4	27.5	4.4	0.3	27.4	27.5
Japan	625	60.9	19.2	6.1	12.7	60.9	1.0	0.0	62.0	59.9
Kazakhstan	679	56.8	20.8	7.2	13.5	56.8	1.6	0.0	55.5	58.0
Korea, Rep. of	670	57.4	27.4	0.8	13.6	57.4	0.7	0.0	56.3	58.5
Kuwait	506	18.0	19.2	20.7	19.7	18.0	19.3	3.1	18.7	17.3
Lithuania	648	59.0	7.8	10.9	20.8	59.0	1.4	0.1	59.0	59.0
Morocco	721	20.5	14.2	23.5	36.5	20.5	4.6	0.7	18.8	22.0
Netherlands	654	74.3	7.1	6.7	8.8	74.3	2.6	0.5	77.0	71.7
New Zealand	911	57.4	12.3	12.1	15.3	57.4	2.8	0.1	58.1	56.8
Northern Ireland	432	69.3	11.4	8.3	11.0	69.3	0.0	0.0	78.3	62.4
Norway	629	72.4	7.6	7.7	11.2	72.4	0.9	0.2	72.7	72.0
Oman	1299	35.6	14.9	21.0	24.2	35.6	4.3	0.1	34.6	36.6
Poland	678	68.0	10.4	2.6	18.0	68.0	1.0	0.0	69.3	66.5
Portugal	671	48.7	7.0	12.0	29.0	48.7	3.1	0.3	53.0	44.8
Qatar	745	31.2	15.7	21.8	25.7	31.2	4.9	0.7	31.2	31.1
Russian Federation	712	71.2	9.3	2.0	15.3	71.2	2.1	0.0	74.0	68.4
Saudi Arabia	638	21.0	21.9	20.7	29.6	21.0	5.8	1.0	24.9	17.3
Serbia	575	64.2	10.5	6.8	14.4	64.2	2.8	1.3	61.5	66.6
Singapore	930	67.6	10.5	6.9	14.6	67.6	0.5	0.0	71.9	63.9
Slovak Republic	824	64.1	8.4	7.7	17.5	64.1	2.3	0.1	67.3	61.0
Slovenia	632	58.1	11.9	13.0	13.6	58.1	3.2	0.1	59.4	56.8
Spain	1100	43.2	8.9	20.0	24.3	43.2	3.2	0.4	42.2	44.1
Sweden	595	66.1	4.9	11.4	14.2	66.1	3.5	0.1	68.3	63.7
Turkey	922	36.5	14.3	17.3	30.6	36.5	1.2	0.2	34.7	38.3
United Arab Emirates	3026	37.1	12.6	22.1	24.3	37.1	3.6	0.3	37.4	36.9
United States	1438	67.8	9.7	6.8	14.1	67.8	1.0	0.6	69.5	65.9
International Avg (n=47)	36194	53.1	12.3	12.5	18.8	53.1	3.0	0.4	54.7	51.5
Buenos Aires, Argentina	434	26.4	9.6	20.0	19.6	26.4	19.2	5.2	28.9	24.3
Ontario, Canada	638	65.2	8.9	7.7	16.7	65.2	1.2	0.2	69.6	61.2
Quebec, Canada	386	50.2	16.1	22.9	9.1	50.2	1.5	0.2	56.6	42.2
Norway (4)	590	59.6	10.3	11.5	16.1	59.6	2.1	0.3	63.6	56.5
Abu Dhabi, UAE	710	31.5	14.2	24.2	26.8	31.5	2.9	0.3	33.1	30.0
Dubai, UAE	1070	49.2	12.5	17.0	19.2	49.2	1.9	0.2	48.4	50.0
Florida, US	286	61.2	12.1	6.6	17.9	61.2	1.8	0.4	62.9	59.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S04_04 (S061140): Life Science / Applying Type: MC Key: B
Label: Grasshopper and butterfly cycles

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	48.5	15.7	48.5	22.5	11.4	1.8	0.0	53.9	43.7
Bahrain	596	42.7	18.0	42.7	18.0	16.9	3.5	0.9	41.1	44.4
Belgium (Flemish)	771	48.7	27.2	48.7	9.7	12.7	1.7	0.0	52.0	45.6
Bulgaria	601	56.6	13.7	56.6	14.1	12.3	3.0	0.4	55.6	57.5
Canada	1703	48.4	18.8	48.4	17.5	13.9	1.1	0.3	51.4	45.1
Chile	673	39.4	27.1	39.4	17.8	11.1	3.0	1.6	37.9	40.7
Chinese Taipei	606	75.4	6.8	75.4	9.0	6.4	2.3	0.0	74.8	76.0
Croatia	565	55.6	18.1	55.6	14.6	10.1	1.7	0.0	57.6	53.5
Cyprus	584	43.9	13.5	43.9	18.2	20.7	3.4	0.3	46.3	41.7
Czech Republic	730	63.6	16.6	63.6	7.5	8.5	3.9	0.0	65.2	61.8
Denmark	525	65.2	7.8	65.2	6.4	15.1	3.4	2.1	67.8	62.3
England	581	45.8	18.3	45.8	23.8	10.0	2.1	0.0	48.9	42.6
Finland	715	73.5	5.0	73.5	7.1	12.3	1.9	0.1	73.7	73.3
France	692	42.5	23.1	42.5	18.1	11.9	4.3	0.1	47.2	37.3
Georgia	564	61.5	8.8	61.5	16.5	9.8	3.1	0.3	62.5	60.6
Germany	558	57.9	16.9	57.9	9.8	9.1	6.2	0.2	58.7	57.1
Hong Kong SAR	505	67.1	15.4	67.1	9.0	6.9	1.6	0.0	69.8	65.0
Hungary	721	58.9	10.1	58.9	13.3	13.3	4.3	0.0	61.0	57.1
Indonesia	575	44.5	22.3	44.5	18.9	11.8	1.1	1.4	45.2	43.8
Iran, Islamic Rep. of	543	38.1	20.0	38.1	18.3	14.9	6.9	1.9	46.8	30.5
Ireland	621	47.1	20.8	47.1	20.0	10.9	1.1	0.0	46.5	47.7
Italy	631	52.1	22.3	52.1	12.3	10.6	2.3	0.4	51.6	52.6
Japan	625	75.2	8.3	75.2	11.6	4.3	0.4	0.2	73.4	77.0
Kazakhstan	679	62.3	21.4	62.3	7.1	9.0	0.2	0.0	61.0	63.4
Korea, Rep. of	670	80.9	4.7	80.9	8.5	5.4	0.3	0.1	79.2	82.5
Kuwait	505	30.9	16.0	30.9	15.9	12.6	20.8	3.8	31.3	30.5
Lithuania	648	47.9	14.6	47.9	17.6	17.8	2.0	0.1	52.2	43.8
Morocco	722	39.0	18.1	39.0	22.9	15.2	4.1	0.7	37.0	40.7
Netherlands	654	53.9	25.4	53.9	9.3	9.2	1.7	0.5	53.9	53.8
New Zealand	911	48.6	18.7	48.6	18.8	11.3	2.5	0.1	54.0	43.2
Northern Ireland	431	42.2	20.4	42.2	27.5	9.2	0.8	0.0	37.2	46.0
Norway	629	69.0	8.7	69.0	9.2	12.0	0.9	0.2	66.8	71.2
Oman	1299	45.0	16.8	45.0	21.1	14.0	3.0	0.2	45.6	44.3
Poland	678	62.8	16.2	62.8	11.5	6.5	2.9	0.0	64.9	60.4
Portugal	671	38.5	24.7	38.5	21.5	12.3	2.7	0.3	36.6	40.2
Qatar	745	46.8	17.7	46.8	16.8	13.9	3.8	1.1	47.6	45.9
Russian Federation	713	58.1	25.1	58.1	7.4	6.6	2.8	0.0	64.1	51.9
Saudi Arabia	636	42.8	19.3	42.8	18.4	14.9	3.6	1.0	46.7	39.1
Serbia	576	55.2	16.3	55.2	8.9	14.1	4.2	1.3	56.2	54.3
Singapore	930	90.6	2.4	90.6	4.1	2.9	0.1	0.0	92.5	89.0
Slovak Republic	824	70.5	13.1	70.5	10.7	3.8	1.9	0.1	70.2	70.8
Slovenia	632	63.4	20.8	63.4	6.7	7.4	1.5	0.1	66.7	60.1
Spain	1100	42.0	24.0	42.0	15.8	14.8	2.9	0.4	42.7	41.3
Sweden	595	60.9	10.2	60.9	7.6	17.1	4.1	0.1	61.3	60.5
Turkey	922	37.3	21.8	37.3	23.7	15.5	1.3	0.4	38.3	36.3
United Arab Emirates	3026	53.1	16.2	53.1	16.6	11.5	2.3	0.3	52.4	53.8
United States	1438	60.1	15.4	60.1	14.8	8.0	1.2	0.6	59.3	60.9
International Avg (n=47)	36177	54.3	16.7	54.3	14.4	11.3	2.9	0.5	55.5	53.2
Buenos Aires, Argentina	434	29.1	17.9	29.1	18.8	8.9	19.8	5.4	30.1	28.2
Ontario, Canada	636	50.9	15.5	50.9	17.2	14.7	1.5	0.2	55.5	46.7
Quebec, Canada	378	44.7	26.1	44.7	17.3	11.0	0.7	0.2	46.7	42.2
Norway (4)	590	53.9	14.9	53.9	13.3	15.2	2.4	0.3	55.6	52.6
Abu Dhabi, UAE	710	52.8	15.7	52.8	14.9	14.2	2.1	0.3	52.3	53.2
Dubai, UAE	1070	61.6	13.8	61.6	13.7	9.1	1.6	0.2	63.0	60.1
Florida, US	286	66.4	11.3	66.4	14.5	6.6	0.8	0.4	68.6	64.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S04_05 (S061019): Life Science / Reasoning Type: CR 1 Point
Label: Hawks and mice in a field

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	31.7	67.4	31.7	0.8	0.1	34.0	29.7
Bahrain	594	25.0	71.6	25.0	2.4	1.0	31.3	18.2
Belgium (Flemish)	771	13.6	83.0	13.6	3.4	0.0	14.9	12.4
Bulgaria	601	31.3	64.8	31.3	3.1	0.8	32.8	29.8
Canada	1719	27.9	70.2	27.9	1.5	0.4	27.7	28.2
Chile	673	25.2	69.7	25.2	3.3	1.7	29.6	21.0
Chinese Taipei	606	13.8	85.4	13.8	0.8	0.0	12.2	15.3
Croatia	565	39.7	59.5	39.7	0.8	0.0	43.7	35.5
Cyprus	584	11.9	83.4	11.9	4.3	0.3	13.3	10.6
Czech Republic	730	34.4	63.6	34.4	2.0	0.0	36.7	31.9
Denmark	525	29.9	65.4	29.9	2.1	2.6	30.8	28.8
England	581	27.8	70.8	27.8	1.4	0.0	30.3	25.2
Finland	715	31.8	66.9	31.8	1.2	0.1	32.5	31.2
France	692	12.4	86.2	12.4	1.3	0.1	12.6	12.2
Georgia	564	16.2	81.6	16.2	1.8	0.4	17.4	15.2
Germany	558	29.1	66.2	29.1	4.5	0.2	29.4	28.8
Hong Kong SAR	505	11.8	88.0	11.8	0.2	0.0	9.9	13.3
Hungary	721	42.3	56.2	42.3	1.5	0.0	47.1	37.9
Indonesia	575	21.4	74.3	21.4	2.9	1.4	24.6	18.1
Iran, Islamic Rep. of	543	11.0	83.3	11.0	3.7	2.0	11.7	10.4
Ireland	621	30.2	68.8	30.2	1.0	0.0	30.0	30.3
Italy	630	31.8	66.7	31.8	1.0	0.4	34.7	29.1
Japan	625	53.0	45.9	53.0	0.9	0.2	56.2	49.9
Kazakhstan	679	47.1	52.5	47.1	0.4	0.0	48.6	45.7
Korea, Rep. of	670	31.8	67.9	31.8	0.2	0.1	34.2	29.4
Kuwait	506	5.0	85.6	5.0	5.6	3.8	7.0	3.0
Lithuania	648	39.3	59.9	39.3	0.7	0.1	42.4	36.3
Morocco	722	13.3	82.7	13.3	3.3	0.8	16.1	10.9
Netherlands	654	16.5	78.8	16.5	4.2	0.5	15.7	17.4
New Zealand	911	30.0	68.2	30.0	1.4	0.4	31.5	28.6
Northern Ireland	440	22.0	76.4	22.0	1.1	0.6	21.9	22.1
Norway	629	35.3	63.8	35.3	0.6	0.2	38.8	32.0
Oman	1302	24.8	72.3	24.8	2.5	0.3	30.0	19.4
Poland	678	30.0	68.6	30.0	1.3	0.0	34.8	24.6
Portugal	671	24.4	74.3	24.4	1.0	0.3	27.6	21.6
Qatar	745	16.5	79.0	16.5	3.0	1.4	15.8	17.3
Russian Federation	713	42.8	56.7	42.8	0.5	0.0	46.4	39.2
Saudi Arabia	639	9.1	87.1	9.1	2.8	1.0	14.1	4.3
Serbia	576	33.1	61.1	33.1	4.2	1.5	33.1	33.2
Singapore	930	38.1	61.7	38.1	0.2	0.0	42.6	34.3
Slovak Republic	824	28.2	69.8	28.2	1.8	0.2	30.0	26.5
Slovenia	632	25.4	72.0	25.4	2.4	0.1	30.6	20.4
Spain	1100	31.4	66.0	31.4	2.1	0.4	33.2	29.6
Sweden	595	38.9	59.9	38.9	1.1	0.1	45.5	32.2
Turkey	922	22.9	76.3	22.9	0.4	0.4	24.6	21.3
United Arab Emirates	3026	18.1	79.8	18.1	1.8	0.3	20.1	16.1
United States	1438	45.9	51.7	45.9	1.7	0.7	45.7	46.1
International Avg (n=47)	36206	27.1	70.4	27.1	1.9	0.5	29.2	25.0
Buenos Aires, Argentina	433	11.4	72.0	11.4	10.5	6.1	16.1	7.6
Ontario, Canada	638	30.7	67.7	30.7	1.2	0.5	33.1	28.5
Quebec, Canada	385	26.7	71.2	26.7	1.9	0.2	24.7	29.1
Norway (4)	590	23.7	73.7	23.7	2.0	0.7	21.0	25.8
Abu Dhabi, UAE	710	14.6	83.2	14.6	1.7	0.5	15.6	13.6
Dubai, UAE	1070	26.5	72.4	26.5	0.8	0.2	28.4	24.6
Florida, US	286	46.1	51.7	46.1	1.4	0.8	42.3	49.9

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S04_06 (S061022): Life Science / Knowing Type: MC Key: A
Label: Laura has the flu

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	70.1	70.1	12.8	7.8	6.4	2.9	0.1	75.0	65.6
Bahrain	594	46.0	46.0	11.8	14.7	23.8	2.6	1.1	52.8	38.6
Belgium (Flemish)	771	63.3	63.3	15.6	9.0	9.1	3.0	0.0	64.9	61.9
Bulgaria	601	58.2	58.2	10.5	12.0	17.3	1.0	0.9	66.2	50.6
Canada	1696	81.7	81.7	4.9	6.0	5.8	0.9	0.7	83.7	79.8
Chile	673	49.1	49.1	9.9	25.3	11.7	2.3	1.7	48.4	49.8
Chinese Taipei	606	82.8	82.8	5.2	7.5	2.2	2.4	0.0	85.5	80.4
Croatia	565	37.4	37.4	9.0	29.3	20.0	4.2	0.0	40.2	34.5
Cyprus	584	47.6	47.6	25.7	10.9	13.3	1.8	0.7	50.5	44.9
Czech Republic	730	51.7	51.7	16.9	11.2	17.4	2.8	0.0	53.4	49.9
Denmark	525	71.8	71.8	9.9	11.8	2.5	1.2	2.8	70.6	73.1
England	581	73.6	73.6	10.3	9.6	5.6	0.9	0.0	72.6	74.6
Finland	715	81.5	81.5	11.1	4.6	0.8	1.9	0.1	83.4	79.7
France	692	74.1	74.1	13.1	5.6	4.6	2.3	0.2	75.7	72.3
Georgia	564	30.5	30.5	18.3	38.7	9.7	2.2	0.6	32.2	29.0
Germany	558	71.3	71.3	10.7	8.5	4.8	4.5	0.3	74.9	67.7
Hong Kong SAR	505	80.3	80.3	8.4	2.7	8.1	0.5	0.0	78.8	81.5
Hungary	721	66.2	66.2	6.0	9.0	12.7	5.5	0.7	68.6	64.0
Indonesia	575	27.1	27.1	20.2	24.3	24.7	1.8	1.8	29.1	25.1
Iran, Islamic Rep. of	543	25.7	25.7	27.8	18.0	23.5	2.9	2.1	25.0	26.2
Ireland	621	76.6	76.6	9.4	9.6	3.4	1.0	0.0	78.8	74.8
Italy	631	46.2	46.2	11.3	15.7	22.8	3.5	0.4	47.2	45.3
Japan	625	67.3	67.3	5.8	10.9	15.1	0.7	0.2	66.8	67.8
Kazakhstan	679	40.7	40.7	22.6	20.2	16.2	0.3	0.0	39.2	42.1
Korea, Rep. of	670	78.8	78.8	8.5	8.7	3.7	0.0	0.4	80.1	77.5
Kuwait	506	38.2	38.2	16.2	11.6	18.4	11.4	4.2	43.1	33.2
Lithuania	648	67.1	67.1	3.5	20.3	3.9	4.9	0.3	70.8	63.6
Morocco	722	37.6	37.6	21.8	18.1	17.4	4.4	0.8	37.9	37.3
Netherlands	654	55.8	55.8	11.2	15.4	12.7	4.3	0.5	58.1	53.6
New Zealand	911	75.7	75.7	11.3	6.3	4.1	2.3	0.4	79.5	71.8
Northern Ireland	434	69.5	69.5	12.3	11.6	6.4	0.2	0.0	64.5	73.3
Norway	629	87.9	87.9	4.8	3.2	3.2	0.7	0.2	89.0	86.8
Oman	1301	33.1	33.1	38.3	10.7	15.0	2.6	0.3	34.4	31.7
Poland	678	47.1	47.1	22.4	16.5	12.1	1.9	0.0	52.1	41.5
Portugal	671	60.2	60.2	14.7	8.4	11.3	5.1	0.3	65.6	55.3
Qatar	745	49.0	49.0	13.1	12.3	22.1	2.0	1.4	49.5	48.4
Russian Federation	713	46.3	46.3	11.2	24.6	11.9	5.9	0.0	46.0	46.7
Saudi Arabia	636	47.9	47.9	13.1	11.9	23.0	3.0	1.0	51.7	44.3
Serbia	576	46.7	46.7	5.7	19.1	21.9	3.8	2.8	44.0	49.0
Singapore	930	65.5	65.5	11.5	9.0	13.5	0.5	0.0	69.6	62.1
Slovak Republic	824	46.1	46.1	12.3	21.9	18.0	1.5	0.3	49.1	43.2
Slovenia	632	54.2	54.2	6.2	26.8	10.2	2.1	0.6	55.6	52.9
Spain	1100	45.0	45.0	30.1	12.2	8.5	3.4	0.8	48.1	42.0
Sweden	595	78.2	78.2	8.0	8.5	3.7	1.6	0.1	82.4	73.6
Turkey	922	51.4	51.4	11.7	6.2	29.6	0.7	0.4	52.9	49.9
United Arab Emirates	3026	55.2	55.2	12.1	10.9	18.6	2.7	0.4	56.4	54.1
United States	1438	85.7	85.7	3.0	4.5	4.0	2.1	0.7	88.9	82.3
International Avg (n=47)	36174	58.4	58.4	13.0	13.2	12.2	2.6	0.6	60.3	56.5
Buenos Aires, Argentina	434	57.9	57.9	14.0	7.0	5.3	9.7	6.1	61.7	54.9
Ontario, Canada	634	81.0	81.0	3.8	7.1	6.4	1.0	0.6	86.0	76.5
Quebec, Canada	370	86.4	86.4	5.5	4.1	2.8	0.8	0.4	86.9	85.8
Norway (4)	590	74.4	74.4	8.5	3.8	9.3	3.3	0.7	75.4	73.7
Abu Dhabi, UAE	710	51.6	51.6	14.6	13.4	16.7	3.1	0.6	55.2	48.1
Dubai, UAE	1070	66.2	66.2	7.9	7.2	17.5	1.0	0.2	66.7	65.7
Florida, US	286	84.0	84.0	3.3	6.0	4.2	1.7	0.8	84.8	83.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S04_07 (S061036): Physical Science / Reasoning Type: CR 1 Point
Label: Melting butter at end of spoon

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	27.4	71.2	27.4	1.1	0.4	28.6	26.3
Bahrain	596	27.7	70.6	27.7	0.5	1.3	33.3	21.7
Belgium (Flemish)	771	19.4	79.7	19.4	0.9	0.0	21.7	17.2
Bulgaria	601	25.8	72.5	25.8	0.7	0.9	32.0	19.9
Canada	1719	26.1	71.0	26.1	2.1	0.8	27.0	25.2
Chile	673	20.1	73.5	20.1	4.3	2.0	20.6	19.7
Chinese Taipei	606	43.1	56.2	43.1	0.6	0.2	42.6	43.5
Croatia	565	31.0	68.5	31.0	0.5	0.0	32.4	29.5
Cyprus	584	17.8	75.9	17.8	5.4	0.9	15.6	19.9
Czech Republic	730	27.4	70.4	27.4	2.2	0.0	26.6	28.2
Denmark	525	29.7	66.5	29.7	0.9	2.8	33.7	25.3
England	581	17.8	81.2	17.8	1.0	0.0	18.4	17.2
Finland	715	40.5	58.8	40.5	0.6	0.1	45.5	35.5
France	692	13.4	83.9	13.4	2.4	0.2	15.1	11.4
Georgia	564	15.9	79.7	15.9	3.8	0.6	17.7	14.2
Germany	558	25.8	72.4	25.8	1.5	0.3	26.3	25.3
Hong Kong SAR	505	46.4	53.4	46.4	0.2	0.0	48.2	45.0
Hungary	721	25.8	72.4	25.8	1.1	0.7	29.1	22.9
Indonesia	576	19.4	77.4	19.4	1.4	1.8	19.8	19.0
Iran, Islamic Rep. of	543	15.3	80.3	15.3	2.0	2.4	10.7	19.3
Ireland	621	21.2	78.5	21.2	0.4	0.0	24.1	18.8
Italy	631	18.6	77.3	18.6	3.6	0.6	16.9	20.1
Japan	625	60.8	38.6	60.8	0.5	0.2	62.4	59.2
Kazakhstan	679	58.9	40.9	58.9	0.2	0.0	60.8	57.2
Korea, Rep. of	670	38.5	60.9	38.5	0.2	0.4	37.6	39.4
Kuwait	506	11.1	80.4	11.1	4.1	4.3	14.7	7.4
Lithuania	648	38.3	60.7	38.3	0.7	0.3	42.3	34.3
Morocco	722	27.7	68.9	27.7	2.7	0.8	26.7	28.5
Netherlands	654	21.9	76.8	21.9	0.8	0.5	23.2	20.6
New Zealand	911	20.5	77.9	20.5	1.0	0.6	22.4	18.6
Northern Ireland	440	19.6	79.4	19.6	0.0	0.9	23.7	16.5
Norway	629	30.1	69.2	30.1	0.5	0.2	28.9	31.3
Oman	1302	18.3	79.1	18.3	2.1	0.5	21.4	15.0
Poland	678	35.0	64.0	35.0	1.1	0.0	39.6	29.7
Portugal	671	14.1	83.6	14.1	2.0	0.3	14.9	13.5
Qatar	745	20.0	75.9	20.0	2.4	1.6	22.7	17.2
Russian Federation	713	36.5	62.3	36.5	1.0	0.2	36.5	36.6
Saudi Arabia	639	13.6	82.4	13.6	3.0	1.0	20.2	7.3
Serbia	576	32.6	62.6	32.6	2.0	2.8	29.1	35.7
Singapore	930	81.7	17.9	81.7	0.3	0.0	84.3	79.5
Slovak Republic	824	22.4	76.3	22.4	1.0	0.3	21.1	23.8
Slovenia	632	27.3	71.0	27.3	1.2	0.6	26.0	28.6
Spain	1100	28.5	69.1	28.5	1.6	0.8	28.5	28.5
Sweden	595	34.6	63.7	34.6	1.4	0.2	39.4	29.5
Turkey	922	28.2	70.8	28.2	0.4	0.6	31.5	25.0
United Arab Emirates	3025	16.8	80.8	16.8	1.9	0.5	15.5	18.1
United States	1438	27.1	70.9	27.1	1.1	0.9	30.4	23.7
International Avg (n=47)	36209	28.1	69.7	28.1	1.5	0.7	29.6	26.6
Buenos Aires, Argentina	434	15.5	66.7	15.5	11.5	6.3	15.3	15.6
Ontario, Canada	638	29.4	67.4	29.4	2.4	0.8	30.6	28.3
Quebec, Canada	385	22.0	75.0	22.0	2.6	0.4	24.5	18.8
Norway (4)	590	15.5	81.8	15.5	1.5	1.1	14.0	16.8
Abu Dhabi, UAE	709	15.1	82.4	15.1	1.7	0.8	12.3	17.8
Dubai, UAE	1070	27.5	71.3	27.5	0.9	0.2	25.0	30.1
Florida, US	286	31.5	66.9	31.5	0.8	0.8	32.1	31.0

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S04_08 (S061160): Physical Science / Applying Type: CR 1 Point
Label: State of matter of items

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	78.6	4.6	14.0	78.6	2.3	0.5	81.1	76.3
Bahrain	595	81.4	2.5	13.8	81.4	1.1	1.3	86.1	76.3
Belgium (Flemish)	771	34.7	17.1	45.4	34.7	2.8	0.0	34.3	35.2
Bulgaria	601	82.3	5.0	6.6	82.3	5.2	0.9	84.4	80.3
Canada	1719	83.3	4.5	9.6	83.3	1.5	1.1	84.9	81.9
Chile	673	64.9	5.9	20.8	64.9	6.2	2.2	66.0	63.9
Chinese Taipei	606	82.4	0.0	16.7	82.4	0.8	0.2	83.4	81.4
Croatia	565	86.7	6.4	6.2	86.7	0.7	0.0	87.3	86.1
Cyprus	584	81.4	7.0	6.3	81.4	4.2	1.0	81.7	81.1
Czech Republic	730	74.2	6.4	16.2	74.2	3.2	0.0	73.8	74.8
Denmark	525	61.1	2.7	26.4	61.1	6.9	3.0	66.9	54.6
England	581	89.6	4.5	4.8	89.6	1.1	0.0	90.2	89.0
Finland	715	77.7	8.6	12.8	77.7	0.6	0.3	77.1	78.4
France	691	75.1	12.5	6.9	75.1	5.2	0.3	74.7	75.5
Georgia	564	48.7	11.4	27.4	48.7	10.9	1.6	52.9	45.0
Germany	558	75.1	8.8	13.1	75.1	2.7	0.3	72.0	78.1
Hong Kong SAR	505	86.4	7.2	5.9	86.4	0.5	0.0	89.2	84.1
Hungary	721	82.4	6.8	7.7	82.4	2.2	0.9	84.1	80.8
Indonesia	576	49.6	6.2	36.7	49.6	5.1	2.3	50.3	49.0
Iran, Islamic Rep. of	543	54.9	4.3	32.7	54.9	5.7	2.4	64.9	46.3
Ireland	621	85.4	2.3	11.9	85.4	0.5	0.0	86.7	84.3
Italy	631	86.3	4.8	5.7	86.3	2.6	0.6	85.3	87.3
Japan	625	72.7	6.2	20.5	72.7	0.4	0.2	71.7	73.7
Kazakhstan	679	81.6	1.7	15.8	81.6	1.0	0.0	84.5	78.8
Korea, Rep. of	670	90.3	4.1	5.3	90.3	0.0	0.4	89.3	91.3
Kuwait	506	48.3	3.0	33.6	48.3	10.3	4.8	55.1	41.5
Lithuania	648	68.6	4.0	23.0	68.6	4.1	0.4	68.8	68.5
Morocco	722	47.7	5.8	38.5	47.7	7.1	1.0	47.9	47.5
Netherlands	654	31.5	13.4	51.0	31.5	3.6	0.5	31.6	31.3
New Zealand	911	71.5	5.2	19.9	71.5	2.7	0.6	75.4	67.6
Northern Ireland	440	86.2	5.1	6.0	86.2	1.8	0.9	85.8	86.5
Norway	629	73.5	9.5	14.4	73.5	2.3	0.3	74.7	72.3
Oman	1303	61.8	6.0	28.2	61.8	3.3	0.6	67.9	55.4
Poland	678	78.8	6.6	13.8	78.8	0.8	0.0	81.3	75.9
Portugal	671	83.2	8.6	7.0	83.2	1.0	0.3	77.4	88.4
Qatar	745	70.2	4.7	19.4	70.2	3.7	2.0	75.5	64.7
Russian Federation	713	79.5	3.5	14.0	79.5	2.8	0.2	79.4	79.5
Saudi Arabia	639	55.9	6.4	31.6	55.9	4.8	1.3	72.0	40.4
Serbia	575	72.4	7.3	14.2	72.4	3.0	3.1	73.7	71.2
Singapore	930	93.5	2.6	3.5	93.5	0.3	0.1	94.2	92.9
Slovak Republic	824	76.9	5.8	14.8	76.9	2.1	0.4	79.0	75.0
Slovenia	632	80.9	3.2	13.5	80.9	1.8	0.6	83.7	78.2
Spain	1100	81.0	6.3	9.8	81.0	1.7	1.1	78.6	83.3
Sweden	595	76.6	6.1	13.6	76.6	3.4	0.2	79.7	73.5
Turkey	922	72.1	5.7	20.0	72.1	1.6	0.6	75.1	69.0
United Arab Emirates	3025	71.9	4.0	21.3	71.9	2.2	0.6	76.5	67.4
United States	1438	85.8	3.5	8.6	85.8	1.2	0.9	88.4	83.0
International Avg (n=47)	36207	73.1	5.9	17.2	73.1	3.0	0.8	75.0	71.2
Buenos Aires, Argentina	434	57.4	5.3	17.2	57.4	12.8	7.3	54.3	59.9
Ontario, Canada	638	85.0	4.0	7.5	85.0	2.2	1.4	88.0	82.3
Quebec, Canada	385	86.3	4.5	8.4	86.3	0.4	0.4	86.3	86.3
Norway (4)	590	47.4	8.5	38.0	47.4	4.8	1.2	48.4	46.7
Abu Dhabi, UAE	709	62.8	3.4	29.5	62.8	3.2	1.1	69.1	56.9
Dubai, UAE	1070	85.1	3.2	10.6	85.1	0.9	0.3	88.4	81.7
Florida, US	286	88.6	3.9	5.4	88.6	1.3	0.8	88.1	89.1

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S04_09 (S061159): Physical Science / Applying Type: CR 1 Point
Label: Which wagon requires more force

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	76.0	22.2	76.0	0.8	1.1	78.3	73.9
Bahrain	595	60.9	36.5	60.9	1.3	1.3	66.1	55.4
Belgium (Flemish)	771	82.3	16.9	82.3	0.7	0.1	87.7	77.1
Bulgaria	601	61.8	36.5	61.8	0.8	0.9	67.3	56.4
Canada	1719	74.6	22.8	74.6	1.0	1.6	76.2	73.2
Chile	673	69.5	25.1	69.5	2.7	2.7	74.2	65.0
Chinese Taipei	606	85.5	14.2	85.5	0.2	0.2	87.9	83.3
Croatia	565	84.6	15.1	84.6	0.2	0.0	83.7	85.6
Cyprus	584	77.5	17.2	77.5	3.9	1.5	80.9	74.2
Czech Republic	730	73.0	26.6	73.0	0.4	0.0	77.7	68.0
Denmark	525	66.7	28.1	66.7	1.3	4.0	73.4	59.3
England	581	80.8	18.5	80.8	0.5	0.2	83.3	78.4
Finland	715	82.3	16.7	82.3	0.7	0.3	87.5	77.2
France	691	74.6	23.4	74.6	0.9	1.1	78.1	70.7
Georgia	564	58.3	37.5	58.3	2.0	2.2	61.4	55.6
Germany	558	82.3	15.5	82.3	1.5	0.7	88.1	76.6
Hong Kong SAR	505	82.3	17.5	82.3	0.2	0.0	85.8	79.4
Hungary	721	75.6	22.3	75.6	0.2	1.8	79.7	71.9
Indonesia	576	44.0	52.2	44.0	1.4	2.4	50.6	37.2
Iran, Islamic Rep. of	543	61.9	33.9	61.9	0.8	3.4	71.2	54.0
Ireland	621	79.0	20.8	79.0	0.2	0.0	79.4	78.6
Italy	630	83.6	15.3	83.6	0.2	0.9	82.1	84.9
Japan	625	91.9	8.0	91.9	0.0	0.2	91.0	92.8
Kazakhstan	679	77.0	22.5	77.0	0.4	0.0	79.3	75.0
Korea, Rep. of	670	88.4	11.2	88.4	0.1	0.4	89.4	87.3
Kuwait	506	21.7	68.2	21.7	4.9	5.2	26.4	16.8
Lithuania	648	76.8	22.4	76.8	0.2	0.6	81.3	72.5
Morocco	722	31.8	62.0	31.8	3.9	2.2	29.9	33.5
Netherlands	654	71.6	25.8	71.6	1.6	1.0	75.3	68.0
New Zealand	911	67.0	29.9	67.0	2.1	1.0	69.8	64.3
Northern Ireland	440	70.1	28.3	70.1	0.4	1.2	71.2	69.3
Norway	629	81.4	17.3	81.4	0.8	0.6	81.0	81.8
Oman	1302	51.3	45.5	51.3	2.4	0.8	57.0	45.2
Poland	678	78.3	21.5	78.3	0.1	0.0	82.7	73.3
Portugal	671	79.4	19.3	79.4	0.5	0.7	83.5	75.7
Qatar	745	45.5	48.8	45.5	3.2	2.5	47.0	44.0
Russian Federation	713	79.0	19.5	79.0	1.0	0.5	80.1	77.9
Saudi Arabia	639	30.0	66.8	30.0	1.3	1.9	47.0	13.7
Serbia	575	75.2	20.6	75.2	0.5	3.7	81.4	70.0
Singapore	930	84.4	15.4	84.4	0.1	0.1	86.1	82.9
Slovak Republic	824	74.5	24.9	74.5	0.3	0.4	78.7	70.4
Slovenia	632	81.0	18.1	81.0	0.2	0.6	83.9	78.2
Spain	1100	81.8	16.8	81.8	0.4	1.1	83.4	80.3
Sweden	595	82.2	16.0	82.2	1.3	0.6	86.0	78.4
Turkey	922	66.5	32.5	66.5	0.2	0.8	70.5	62.5
United Arab Emirates	3024	51.1	46.9	51.1	1.3	0.7	55.1	47.2
United States	1438	79.7	18.0	79.7	1.0	1.4	81.7	77.5
International Avg (n=47)	36204	71.0	26.8	71.0	1.1	1.2	74.5	67.5
Buenos Aires, Argentina	434	55.4	31.4	55.4	5.0	8.2	63.1	49.2
Ontario, Canada	638	74.4	22.2	74.4	1.2	2.2	79.6	69.5
Quebec, Canada	385	84.5	14.8	84.5	0.3	0.5	83.4	85.8
Norway (4)	590	68.5	28.4	68.5	1.6	1.5	73.6	64.4
Abu Dhabi, UAE	709	41.3	56.2	41.3	1.2	1.2	45.2	37.6
Dubai, UAE	1069	67.2	31.6	67.2	0.9	0.3	71.2	63.1
Florida, US	286	77.8	20.1	77.8	1.3	0.8	77.8	77.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S04_10 (S061091): Physical Science / Knowing Type: CR 2 Points
Label: Energy in a closed circuit

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	16.1	27.0	45.9	43.1	16.1	9.5	1.5	13.8	18.1
Bahrain	595	21.9	19.1	49.4	41.0	21.9	8.3	1.3	23.2	20.5
Belgium (Flemish)	771	12.3	12.8	60.8	25.2	12.3	13.9	0.1	12.4	12.3
Bulgaria	601	36.0	13.8	19.3	49.8	36.0	29.7	1.2	41.2	31.0
Canada	1719	19.1	26.1	40.1	45.2	19.1	12.8	1.9	15.8	22.8
Chile	673	4.2	18.6	50.4	22.8	4.2	22.9	3.9	3.9	4.5
Chinese Taipei	606	22.6	23.4	33.4	46.0	22.6	20.3	0.3	25.1	20.3
Croatia	565	9.9	29.4	34.1	39.3	9.9	26.6	0.0	12.6	7.1
Cyprus	584	8.0	13.8	44.7	21.8	8.0	29.9	3.5	7.1	9.0
Czech Republic	730	10.3	28.2	30.4	38.5	10.3	31.0	0.1	9.7	10.9
Denmark	524	14.2	20.4	39.7	34.6	14.2	21.6	4.1	11.1	17.6
England	581	13.2	27.1	40.3	40.3	13.2	18.9	0.5	8.7	17.8
Finland	715	16.9	21.3	37.5	38.2	16.9	23.8	0.4	17.9	15.9
France	692	10.8	20.6	35.0	31.4	10.8	31.9	1.7	9.5	12.4
Georgia	564	12.9	18.7	38.3	31.7	12.9	27.1	2.9	13.9	12.1
Germany	558	9.2	22.0	37.1	31.3	9.2	30.3	1.4	10.9	7.5
Hong Kong SAR	505	26.7	27.9	33.5	54.6	26.7	11.8	0.0	21.8	30.7
Hungary	721	6.9	24.6	44.1	31.6	6.9	22.4	2.0	6.5	7.3
Indonesia	576	30.5	16.7	39.9	47.2	30.5	10.3	2.6	37.6	23.3
Iran, Islamic Rep. of	543	15.6	7.8	53.6	23.5	15.6	19.4	3.6	12.1	18.7
Ireland	621	13.8	31.5	41.4	45.3	13.8	13.3	0.0	12.6	14.8
Italy	630	21.1	30.9	22.6	52.0	21.1	24.5	1.0	22.7	19.6
Japan	625	15.0	49.6	21.3	64.6	15.0	14.0	0.2	11.6	18.3
Kazakhstan	679	20.4	28.5	43.9	48.9	20.4	7.2	0.0	20.7	20.1
Korea, Rep. of	670	22.0	31.2	37.0	53.3	22.0	9.4	0.4	15.7	28.2
Kuwait	506	9.2	8.5	46.9	17.8	9.2	28.6	6.8	11.9	6.4
Lithuania	648	23.1	27.8	32.0	50.9	23.1	16.6	0.6	23.6	22.6
Morocco	722	6.1	16.6	52.6	22.7	6.1	21.0	3.7	7.8	4.7
Netherlands	654	9.7	21.9	54.8	31.6	9.7	12.4	1.2	9.9	9.6
New Zealand	911	14.2	25.7	47.8	40.0	14.2	11.0	1.3	14.5	13.9
Northern Ireland	440	13.4	32.6	36.6	46.0	13.4	16.2	1.2	14.2	12.8
Norway	629	12.3	31.0	33.3	43.4	12.3	22.4	1.0	10.2	14.4
Oman	1302	12.2	8.7	69.5	20.9	12.2	8.7	0.9	14.4	9.8
Poland	678	10.1	20.7	36.0	30.8	10.1	33.2	0.0	10.9	9.2
Portugal	671	7.0	15.9	52.4	22.9	7.0	23.9	0.8	7.7	6.4
Qatar	745	10.6	20.4	50.4	31.0	10.6	15.8	2.8	10.7	10.6
Russian Federation	713	17.5	26.5	34.7	44.0	17.5	20.5	0.8	16.5	18.5
Saudi Arabia	639	16.1	24.8	33.9	40.9	16.1	23.2	2.0	20.9	11.6
Serbia	575	9.2	13.2	41.2	22.5	9.2	32.3	4.0	9.6	8.9
Singapore	930	46.5	20.1	29.8	66.6	46.5	3.5	0.1	45.0	47.7
Slovak Republic	824	17.8	18.5	37.4	36.3	17.8	25.9	0.4	18.1	17.5
Slovenia	632	6.8	26.3	47.7	33.1	6.8	18.6	0.6	6.7	6.9
Spain	1100	18.6	20.3	39.9	38.9	18.6	19.8	1.3	17.6	19.4
Sweden	595	8.5	29.1	34.9	37.6	8.5	26.9	0.6	7.6	9.5
Turkey	922	30.8	16.9	43.1	47.8	30.8	8.3	0.9	30.7	31.0
United Arab Emirates	3024	20.9	18.1	46.5	39.1	20.9	13.6	0.8	22.4	19.5
United States	1438	21.7	23.1	47.9	44.8	21.7	5.7	1.6	20.4	23.0
International Avg (n=47)	36204	16.0	22.5	40.9	38.5	16.0	19.1	1.4	15.9	16.1
Buenos Aires, Argentina	434	4.7	7.8	24.4	12.6	4.7	52.8	10.3	4.2	5.2
Ontario, Canada	638	23.3	27.5	36.3	50.8	23.3	10.2	2.6	20.2	26.3
Quebec, Canada	385	16.1	26.1	40.5	42.2	16.1	16.6	0.8	11.4	21.9
Norway (4)	590	7.7	24.2	36.7	31.9	7.7	29.7	1.7	10.3	5.6
Abu Dhabi, UAE	709	17.3	17.5	52.7	34.7	17.3	11.3	1.3	16.9	17.6
Dubai, UAE	1069	29.7	20.4	39.9	50.0	29.7	9.6	0.4	31.6	27.6
Florida, US	286	41.2	19.3	35.5	60.5	41.2	3.2	0.8	41.0	41.4

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S04_l1 (S061118): Earth Science / Knowing Type: MC Key: B
Label: Sun, Earth, Moon in space

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	45.6	26.2	45.6	9.2	14.5	2.6	2.0	45.3	45.8
Bahrain	595	48.1	20.3	48.1	7.8	17.7	4.5	1.6	49.3	46.9
Belgium (Flemish)	771	32.5	25.0	32.5	12.6	25.2	4.5	0.2	31.2	33.8
Bulgaria	601	62.8	12.9	62.8	5.2	11.9	5.4	1.9	59.5	66.0
Canada	1710	44.5	24.4	44.5	10.3	15.0	2.7	3.0	40.9	48.3
Chile	673	40.0	24.4	40.0	9.9	16.8	3.7	5.3	37.3	42.5
Chinese Taipei	606	48.0	23.9	48.0	9.9	16.8	0.8	0.5	41.6	53.6
Croatia	565	42.0	21.1	42.0	11.2	19.2	6.3	0.1	35.6	48.6
Cyprus	584	45.1	19.2	45.1	10.9	14.7	5.1	5.1	42.0	48.0
Czech Republic	730	59.4	15.0	59.4	8.2	13.4	3.5	0.5	58.2	60.8
Denmark	525	45.5	20.8	45.5	6.1	11.8	10.5	5.4	43.0	48.3
England	581	57.9	20.8	57.9	7.4	9.9	3.1	0.8	58.7	57.0
Finland	715	56.2	18.7	56.2	7.2	10.1	6.4	1.5	53.5	58.8
France	692	41.3	22.9	41.3	9.1	12.0	11.0	3.6	37.2	46.0
Georgia	564	32.4	21.7	32.4	10.3	19.4	11.2	5.0	29.6	34.9
Germany	558	45.8	24.4	45.8	6.7	14.2	7.0	1.8	41.5	50.1
Hong Kong SAR	505	53.2	20.6	53.2	9.3	15.4	1.3	0.2	41.0	63.1
Hungary	721	48.5	17.9	48.5	9.2	15.0	6.3	3.2	44.0	52.6
Indonesia	576	39.6	29.0	39.6	11.8	15.5	1.6	2.6	36.4	42.8
Iran, Islamic Rep. of	543	41.0	18.3	41.0	11.9	13.8	10.4	4.6	36.9	44.6
Ireland	621	47.7	25.1	47.7	11.6	13.7	1.9	0.0	45.0	50.0
Italy	631	43.9	19.8	43.9	12.2	14.7	8.0	1.5	41.4	46.3
Japan	625	43.1	29.5	43.1	6.4	19.2	1.1	0.6	34.8	51.3
Kazakhstan	679	68.2	10.8	68.2	10.3	9.5	1.1	0.1	66.4	69.9
Korea, Rep. of	670	63.7	14.6	63.7	3.7	17.2	0.5	0.4	54.3	72.8
Kuwait	506	23.9	23.9	23.9	9.7	12.8	20.8	8.9	25.0	22.8
Lithuania	648	60.9	13.7	60.9	7.4	13.7	3.5	0.9	58.3	63.4
Morocco	722	37.0	20.9	37.0	13.1	16.5	7.3	5.2	34.0	39.6
Netherlands	654	46.2	22.7	46.2	9.6	16.4	2.9	2.1	41.5	50.7
New Zealand	911	41.9	26.1	41.9	11.1	14.2	4.7	2.0	37.4	46.5
Northern Ireland	415	41.9	25.2	41.9	14.6	16.6	1.7	0.0	38.7	44.4
Norway	629	66.7	13.2	66.7	4.3	10.8	4.1	1.0	62.6	70.6
Oman	1301	47.0	20.1	47.0	11.1	16.8	3.4	1.6	49.2	44.6
Poland	678	57.2	13.8	57.2	8.6	17.3	2.6	0.5	54.9	59.9
Portugal	671	68.0	13.2	68.0	5.7	8.2	3.3	1.6	66.8	69.1
Qatar	745	40.2	24.2	40.2	9.6	16.7	6.2	3.1	41.3	39.0
Russian Federation	713	80.7	6.7	80.7	3.6	6.4	1.6	1.0	77.7	83.8
Saudi Arabia	635	28.3	26.3	28.3	16.3	19.9	6.9	2.2	30.6	26.1
Serbia	576	45.6	15.7	45.6	12.2	12.4	8.7	5.4	40.4	50.1
Singapore	930	44.0	26.5	44.0	13.8	15.0	0.6	0.1	39.5	47.8
Slovak Republic	824	52.1	18.4	52.1	8.6	15.3	4.8	0.8	50.4	53.8
Slovenia	632	55.6	15.4	55.6	8.9	15.9	3.1	1.0	50.8	60.4
Spain	1100	64.0	12.4	64.0	7.1	9.5	4.9	2.1	61.9	66.0
Sweden	595	62.9	15.9	62.9	7.9	5.4	6.8	1.0	60.1	66.1
Turkey	922	53.2	21.0	53.2	10.7	13.0	1.0	1.1	49.6	56.7
United Arab Emirates	3024	55.8	18.6	55.8	7.3	13.3	3.9	1.1	56.4	55.3
United States	1438	59.2	16.6	59.2	7.3	12.5	2.2	2.2	54.5	64.1
International Avg (n=47)	36168	49.5	20.0	49.5	9.3	14.4	4.8	2.0	46.5	52.4
Buenos Aires, Argentina	434	27.8	16.4	27.8	5.1	7.7	29.9	13.1	19.6	34.5
Ontario, Canada	635	43.0	26.1	43.0	10.1	14.0	2.5	4.3	40.9	45.2
Quebec, Canada	385	53.3	20.5	53.3	8.5	13.4	3.2	1.2	45.1	63.5
Norway (4)	590	52.7	15.9	52.7	5.6	14.7	8.4	2.8	52.5	52.9
Abu Dhabi, UAE	709	55.1	17.7	55.1	8.8	12.5	4.3	1.7	57.8	52.4
Dubai, UAE	1069	66.4	15.7	66.4	4.7	10.2	2.3	0.6	66.5	66.4
Florida, US	286	68.7	9.8	68.7	7.3	11.3	2.1	0.8	63.1	74.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S04_12 (S061097): Earth Science / Reasoning Type: MC Key: B
Label: Natural desert rock formation

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	858	63.2	10.8	63.2	10.4	12.1	1.4	2.2	64.0	62.4
Bahrain	596	38.2	16.4	38.2	25.6	15.4	1.3	3.1	34.9	41.8
Belgium (Flemish)	771	52.3	19.0	52.3	14.6	12.3	1.6	0.2	52.2	52.4
Bulgaria	601	63.1	13.8	63.1	10.4	9.9	0.9	2.0	65.0	61.3
Canada	1714	57.3	11.0	57.3	14.4	13.2	0.8	3.4	56.9	57.8
Chile	673	52.4	16.2	52.4	14.1	10.2	1.0	6.1	49.3	55.3
Chinese Taipei	606	66.1	11.0	66.1	14.5	6.3	1.4	0.6	64.5	67.6
Croatia	565	55.8	18.5	55.8	11.2	13.3	1.1	0.1	56.9	54.8
Cyprus	584	50.0	16.4	50.0	15.3	11.7	1.0	5.5	47.8	52.1
Czech Republic	730	56.4	18.0	56.4	11.6	12.6	0.8	0.6	53.8	59.1
Denmark	525	67.8	11.8	67.8	6.7	6.9	1.1	5.8	65.9	70.0
England	581	58.6	13.4	58.6	12.2	13.0	2.0	0.8	60.8	56.3
Finland	715	72.0	8.1	72.0	7.5	10.0	0.8	1.5	69.0	75.0
France	692	40.1	17.0	40.1	18.1	18.2	1.9	4.8	39.7	40.6
Georgia	564	50.9	12.7	50.9	13.3	15.6	2.1	5.4	52.6	49.4
Germany	558	55.8	14.2	55.8	13.6	13.1	1.2	2.1	55.5	56.0
Hong Kong SAR	505	58.8	12.9	58.8	12.1	14.8	0.3	1.1	54.1	62.5
Hungary	721	56.2	14.8	56.2	14.2	9.1	2.1	3.6	57.6	55.0
Indonesia	576	38.0	30.1	38.0	17.4	11.0	0.6	2.9	38.3	37.6
Iran, Islamic Rep. of	543	47.0	20.1	47.0	16.2	8.3	3.0	5.4	54.5	40.6
Ireland	621	57.4	15.7	57.4	14.5	11.9	0.5	0.0	53.4	60.7
Italy	631	64.9	6.3	64.9	9.3	16.1	1.7	1.7	63.4	66.4
Japan	625	63.8	15.2	63.8	11.9	7.9	0.5	0.7	66.1	61.5
Kazakhstan	679	68.3	10.0	68.3	14.0	6.7	0.7	0.3	66.8	69.7
Korea, Rep. of	670	76.7	6.6	76.7	8.3	7.5	0.6	0.4	75.7	77.6
Kuwait	500	29.5	22.9	29.5	18.0	12.9	7.5	9.1	27.9	31.2
Lithuania	648	56.7	13.7	56.7	13.0	14.6	0.9	1.3	60.5	53.1
Morocco	722	33.8	21.5	33.8	22.5	11.5	4.6	6.1	30.3	36.8
Netherlands	654	58.1	12.7	58.1	12.2	13.4	1.1	2.5	55.0	61.0
New Zealand	911	54.9	13.7	54.9	14.1	13.3	2.0	2.0	53.1	56.7
Northern Ireland	430	59.2	14.9	59.2	12.8	13.1	0.0	0.0	64.1	55.4
Norway	629	67.4	10.7	67.4	8.1	11.2	0.9	1.7	61.3	73.3
Oman	1299	51.7	17.1	51.7	13.9	14.1	1.2	2.1	54.5	48.6
Poland	678	66.0	12.6	66.0	9.7	10.4	0.9	0.5	66.0	65.9
Portugal	671	52.3	12.7	52.3	18.1	13.8	0.9	2.1	53.3	51.3
Qatar	745	35.0	20.3	35.0	24.0	15.5	1.9	3.3	33.5	36.6
Russian Federation	713	66.2	11.5	66.2	12.8	8.1	0.4	1.0	66.0	66.5
Saudi Arabia	631	43.6	22.0	43.6	14.2	14.7	3.0	2.6	44.6	42.6
Serbia	576	45.5	17.7	45.5	14.9	13.7	2.3	5.9	46.7	44.4
Singapore	930	47.8	25.1	47.8	17.2	9.7	0.2	0.1	41.5	53.0
Slovak Republic	824	58.4	13.8	58.4	11.5	13.7	1.1	1.5	55.5	61.1
Slovenia	632	57.1	12.8	57.1	13.8	14.7	0.6	1.1	54.7	59.5
Spain	1100	44.6	13.5	44.6	19.2	19.6	0.9	2.3	46.1	43.1
Sweden	595	67.2	9.7	67.2	7.3	11.0	3.6	1.2	71.7	62.4
Turkey	922	59.7	10.1	59.7	14.7	13.8	0.5	1.3	59.2	60.3
United Arab Emirates	3024	41.3	20.6	41.3	20.8	14.3	1.5	1.5	42.3	40.3
United States	1438	61.8	8.9	61.8	12.6	12.9	1.4	2.4	59.5	64.3
International Avg (n=47)	36176	55.1	14.9	55.1	14.0	12.3	1.4	2.4	54.6	55.5
Buenos Aires, Argentina	434	35.8	15.7	35.8	10.7	15.7	8.8	13.3	33.2	38.0
Ontario, Canada	637	61.0	9.6	61.0	11.0	12.8	1.0	4.6	63.1	59.3
Quebec, Canada	385	52.6	13.0	52.6	18.0	14.7	0.4	1.2	53.0	52.1
Norway (4)	590	50.3	18.9	50.3	12.1	12.9	2.3	3.4	49.2	51.2
Abu Dhabi, UAE	709	38.8	23.1	38.8	21.4	13.6	1.1	2.0	35.7	41.8
Dubai, UAE	1069	50.2	16.2	50.2	16.6	15.0	1.2	0.8	52.1	48.1
Florida, US	286	67.2	8.3	67.2	13.8	9.5	0.0	1.2	65.5	68.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S05_01 (S041009): Life Science / Knowing Type: MC Key: D
Label: Organ digestion takes place

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	68.2	12.4	7.2	10.3	68.2	1.7	0.2	68.0	68.4
Bahrain	586	62.1	8.9	12.0	14.6	62.1	1.0	1.3	66.4	57.4
Belgium (Flemish)	761	61.5	13.8	4.4	18.9	61.5	1.2	0.1	60.5	62.5
Bulgaria	599	94.0	2.0	1.8	1.3	94.0	0.4	0.5	93.7	94.2
Canada	1723	72.7	8.9	6.8	9.9	72.7	1.2	0.4	72.0	73.5
Chile	678	66.0	7.8	6.7	15.9	66.0	2.5	1.0	67.5	64.4
Chinese Taipei	612	97.0	0.9	1.1	1.0	97.0	0.0	0.0	97.9	96.2
Croatia	569	89.2	1.5	0.2	8.9	89.2	0.1	0.0	89.9	88.6
Cyprus	582	84.3	4.9	4.3	5.2	84.3	0.7	0.5	84.4	84.3
Czech Republic	740	94.9	1.7	1.4	1.4	94.9	0.6	0.1	96.0	93.6
Denmark	528	79.4	5.1	2.2	12.1	79.4	1.0	0.3	79.9	78.8
England	578	77.4	9.1	5.1	7.9	77.4	0.4	0.2	76.2	78.8
Finland	716	92.6	1.3	0.6	3.3	92.6	1.7	0.6	93.5	91.7
France	698	86.1	5.9	2.8	3.1	86.1	1.1	1.1	88.1	83.9
Georgia	552	93.5	1.6	0.9	1.3	93.5	1.2	1.5	94.2	92.8
Germany	556	94.7	2.5	1.0	1.1	94.7	0.7	0.0	96.4	93.2
Hong Kong SAR	507	96.2	2.2	1.0	0.7	96.2	0.0	0.0	96.4	95.9
Hungary	716	95.4	1.3	0.2	2.0	95.4	1.0	0.0	95.3	95.6
Indonesia	564	34.0	23.2	32.0	10.1	34.0	0.7	0.0	31.5	36.7
Iran, Islamic Rep. of	539	24.3	33.2	19.2	17.7	24.3	4.8	0.9	24.7	23.8
Ireland	620	75.5	8.4	5.2	10.1	75.5	0.7	0.0	74.6	76.4
Italy	620	93.8	2.1	0.4	1.4	93.8	2.2	0.1	94.4	93.3
Japan	629	81.8	9.5	3.3	4.9	81.8	0.5	0.0	79.2	84.4
Kazakhstan	672	97.3	0.8	0.4	1.4	97.3	0.2	0.1	98.1	96.4
Korea, Rep. of	674	87.1	7.3	1.3	4.1	87.1	0.2	0.0	84.7	89.3
Kuwait	506	60.2	11.7	13.1	9.7	60.2	3.7	1.5	64.6	56.0
Lithuania	638	93.0	2.5	1.6	2.3	93.0	0.5	0.0	91.9	94.1
Morocco	729	53.2	10.6	20.6	12.4	53.2	2.4	0.8	53.2	53.2
Netherlands	646	70.0	8.9	2.6	17.2	70.0	1.1	0.2	69.4	70.5
New Zealand	894	60.7	14.5	9.0	13.3	60.7	1.9	0.5	62.8	58.7
Northern Ireland	442	71.0	11.8	4.8	12.3	71.0	0.1	0.0	72.5	69.6
Norway	620	62.5	8.0	5.6	23.1	62.5	0.9	0.0	60.4	64.7
Oman	1313	72.0	8.3	9.0	8.8	72.0	1.6	0.4	76.1	67.8
Poland	672	96.1	1.0	1.1	1.9	96.1	0.0	0.0	96.7	95.3
Portugal	670	96.6	0.8	0.6	1.2	96.6	0.3	0.4	95.9	97.3
Qatar	752	68.8	9.0	13.0	6.2	68.8	2.6	0.5	70.5	67.0
Russian Federation	713	98.9	0.3	0.1	0.7	98.9	0.0	0.0	98.7	99.1
Saudi Arabia	607	58.8	12.9	13.2	13.0	58.8	1.5	0.6	63.7	54.4
Serbia	570	85.4	5.3	4.6	3.1	85.4	1.1	0.4	87.3	83.8
Singapore	932	95.1	2.5	0.7	1.4	95.1	0.2	0.1	95.0	95.1
Slovak Republic	836	93.0	2.4	1.6	2.7	93.0	0.3	0.0	93.0	93.0
Slovenia	639	96.6	0.6	0.5	1.6	96.6	0.4	0.2	96.5	96.7
Spain	1098	90.9	2.0	2.7	3.5	90.9	0.3	0.6	91.1	90.6
Sweden	595	72.0	2.3	1.0	21.2	72.0	3.3	0.1	75.2	68.9
Turkey	923	67.6	10.8	6.2	15.0	67.6	0.2	0.1	65.5	69.7
United Arab Emirates	3023	61.5	12.1	12.7	10.2	61.5	3.3	0.2	62.8	60.4
United States	1433	71.5	10.1	6.7	10.1	71.5	0.9	0.6	69.1	74.1
International Avg (n=47)	36137	78.6	6.9	5.4	7.7	78.6	1.1	0.3	79.0	78.2
Buenos Aires, Argentina	442	73.0	6.2	2.4	9.4	73.0	7.5	1.4	75.8	70.3
Ontario, Canada	643	70.7	8.8	7.7	11.0	70.7	1.1	0.7	73.7	67.8
Quebec, Canada	388	85.9	5.3	3.4	5.2	85.9	0.3	0.0	82.7	89.0
Norway (4)	589	57.3	12.5	7.6	21.2	57.3	0.6	0.6	56.5	58.0
Abu Dhabi, UAE	710	50.5	15.2	16.1	12.1	50.5	6.0	0.1	49.5	51.4
Dubai, UAE	1074	72.3	8.9	10.0	7.3	72.3	1.5	0.1	74.5	70.0
Florida, US	292	79.6	11.3	2.0	6.6	79.6	0.6	0.0	78.7	80.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S05_02 (S041223): Life Science / Knowing Type: MC Key: C
Label: Function of part X of a plant

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	56.6	13.6	9.8	56.6	16.3	3.5	0.2	53.4	59.4
Bahrain	586	51.3	22.0	12.4	51.3	11.5	1.3	1.5	56.3	45.7
Belgium (Flemish)	761	57.1	16.6	7.4	57.1	17.6	1.2	0.1	55.2	58.8
Bulgaria	599	64.5	16.9	11.1	64.5	6.1	0.9	0.5	68.6	60.7
Canada	1721	56.1	15.8	11.0	56.1	15.7	0.9	0.6	60.6	51.7
Chile	678	47.7	26.4	10.4	47.7	12.9	1.2	1.4	48.1	47.3
Chinese Taipei	612	62.8	17.5	9.1	62.8	10.5	0.2	0.0	65.1	60.6
Croatia	569	56.6	19.2	8.2	56.6	13.8	2.2	0.0	58.1	55.2
Cyprus	582	41.3	20.8	12.2	41.3	23.1	2.0	0.7	38.8	43.7
Czech Republic	740	72.2	13.1	6.7	72.2	5.8	1.9	0.3	71.1	73.4
Denmark	528	60.6	9.6	8.2	60.6	18.8	2.4	0.5	61.1	60.1
England	578	57.3	11.5	11.0	57.3	19.3	0.8	0.2	58.0	56.5
Finland	716	64.7	17.1	6.6	64.7	9.4	1.5	0.7	70.4	59.4
France	698	44.7	20.5	6.5	44.7	24.9	2.3	1.1	43.5	46.0
Georgia	552	64.1	9.2	6.3	64.1	15.9	2.3	2.2	67.4	60.6
Germany	556	61.1	13.7	4.5	61.1	16.2	4.5	0.0	57.2	64.6
Hong Kong SAR	507	54.1	22.2	11.5	54.1	12.2	0.0	0.0	57.0	51.5
Hungary	716	73.9	11.5	5.9	73.9	5.5	3.1	0.2	73.7	74.0
Indonesia	564	50.6	20.4	8.5	50.6	20.5	0.0	0.0	55.9	45.2
Iran, Islamic Rep. of	539	34.0	31.6	14.9	34.0	13.7	4.9	0.9	34.2	33.8
Ireland	620	48.0	15.2	8.0	48.0	28.0	0.7	0.0	50.1	46.2
Italy	620	54.0	20.0	10.3	54.0	14.3	1.3	0.1	55.2	52.9
Japan	629	66.6	19.7	7.1	66.6	5.9	0.7	0.0	62.6	70.6
Kazakhstan	672	73.4	9.9	7.5	73.4	8.7	0.4	0.1	74.0	72.8
Korea, Rep. of	674	73.8	18.7	3.8	73.8	3.2	0.5	0.0	74.4	73.3
Kuwait	506	30.9	23.9	15.6	30.9	22.5	5.1	1.9	31.5	30.4
Lithuania	638	63.8	19.0	8.7	63.8	7.9	0.6	0.0	67.5	60.3
Morocco	724	39.5	21.3	12.7	39.5	21.9	3.9	0.8	30.8	46.6
Netherlands	646	59.7	17.0	7.5	59.7	14.6	1.0	0.2	58.1	61.1
New Zealand	894	52.6	11.4	6.9	52.6	26.8	1.7	0.6	54.0	51.2
Northern Ireland	441	47.8	15.9	6.8	47.8	28.7	0.8	0.0	48.6	47.0
Norway	620	77.3	7.4	6.0	77.3	8.7	0.6	0.0	78.4	76.0
Oman	1312	55.0	22.1	9.1	55.0	11.8	1.6	0.4	55.8	54.2
Poland	672	63.8	20.1	9.0	63.8	7.0	0.1	0.0	64.5	62.9
Portugal	670	49.4	30.5	7.1	49.4	10.5	2.0	0.5	48.7	50.2
Qatar	752	50.1	21.0	12.1	50.1	13.5	2.6	0.8	49.3	50.9
Russian Federation	713	80.7	6.1	7.3	80.7	4.4	1.5	0.0	79.0	82.4
Saudi Arabia	607	35.9	25.1	14.2	35.9	21.2	2.6	0.9	40.9	31.5
Serbia	570	64.7	18.4	7.4	64.7	7.1	2.0	0.4	64.0	65.3
Singapore	932	81.8	12.1	2.8	81.8	2.9	0.3	0.1	81.6	82.0
Slovak Republic	836	56.0	22.1	9.8	56.0	10.8	1.3	0.0	50.5	61.3
Slovenia	639	75.1	12.6	4.2	75.1	7.2	0.5	0.4	74.5	75.6
Spain	1098	52.9	28.9	8.2	52.9	8.1	1.2	0.6	52.7	53.1
Sweden	595	62.7	12.5	8.5	62.7	12.9	3.3	0.1	67.8	57.9
Turkey	923	49.7	24.8	13.3	49.7	11.9	0.3	0.1	51.9	47.5
United Arab Emirates	3021	51.9	22.7	9.6	51.9	12.8	2.7	0.4	54.4	49.5
United States	1433	60.5	16.0	10.3	60.5	12.0	0.5	0.7	60.6	60.5
International Avg (n=47)	36126	57.6	17.9	8.8	57.6	13.5	1.6	0.4	58.2	57.1
Buenos Aires, Argentina	442	32.2	23.7	9.7	32.2	20.1	12.8	1.6	33.1	31.4
Ontario, Canada	643	62.1	14.8	10.2	62.1	11.2	0.8	1.0	67.0	57.2
Quebec, Canada	386	47.6	15.6	10.5	47.6	25.4	0.9	0.0	51.4	43.8
Norway (4)	589	70.5	5.4	6.7	70.5	15.9	0.8	0.6	74.4	67.0
Abu Dhabi, UAE	709	47.2	24.6	10.0	47.2	13.1	4.6	0.5	51.2	43.4
Dubai, UAE	1073	64.4	15.9	9.1	64.4	9.2	1.4	0.1	67.2	61.6
Florida, US	292	60.8	18.3	11.4	60.8	8.5	0.9	0.0	62.7	58.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S05_03 (S041026): Life Science / Knowing Type: MC Key: D
Label: Body covering protects a reptile

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	79.5	1.3	10.6	6.8	79.5	1.6	0.3	79.8	79.1
Bahrain	586	40.3	7.1	36.8	12.5	40.3	1.8	1.5	39.2	41.5
Belgium (Flemish)	761	59.4	8.2	21.8	9.2	59.4	1.2	0.1	59.1	59.7
Bulgaria	599	59.9	1.6	33.0	4.3	59.9	0.7	0.5	53.8	65.5
Canada	1720	78.8	2.3	12.2	5.4	78.8	0.7	0.6	77.6	80.1
Chile	678	59.6	5.4	17.3	14.4	59.6	2.0	1.4	56.4	63.0
Chinese Taipei	612	31.7	4.5	33.5	29.6	31.7	0.6	0.0	24.4	38.4
Croatia	569	36.5	7.5	35.1	18.5	36.5	2.4	0.1	29.9	42.6
Cyprus	582	20.6	11.7	44.2	21.9	20.6	0.7	0.8	20.5	20.7
Czech Republic	740	52.1	0.8	42.6	3.8	52.1	0.5	0.3	47.8	56.6
Denmark	528	65.5	5.8	14.6	12.4	65.5	1.3	0.5	64.9	66.1
England	578	74.1	2.0	12.6	10.7	74.1	0.4	0.2	74.1	74.1
Finland	716	47.0	4.6	34.3	10.9	47.0	2.5	0.7	42.4	51.2
France	698	63.4	7.4	15.7	9.8	63.4	2.4	1.3	61.5	65.5
Georgia	552	34.6	2.7	37.9	20.5	34.6	1.9	2.3	34.3	34.9
Germany	556	64.6	1.3	15.7	15.7	64.6	2.6	0.0	59.4	69.3
Hong Kong SAR	507	47.2	8.5	22.3	21.6	47.2	0.4	0.0	43.7	50.4
Hungary	716	64.0	4.4	23.9	4.6	64.0	2.7	0.4	59.5	68.4
Indonesia	564	18.3	12.4	41.3	27.6	18.3	0.3	0.0	17.0	19.7
Iran, Islamic Rep. of	539	29.5	5.9	46.4	13.7	29.5	3.5	1.0	26.9	32.2
Ireland	620	76.2	2.5	12.7	7.7	76.2	0.9	0.0	76.8	75.7
Italy	620	54.6	7.5	27.3	8.3	54.6	2.2	0.1	50.0	58.9
Japan	629	20.7	25.0	37.5	16.0	20.7	0.8	0.0	16.0	25.3
Kazakhstan	672	55.0	0.4	34.8	9.4	55.0	0.4	0.1	54.0	55.9
Korea, Rep. of	674	51.0	12.0	25.0	11.3	51.0	0.7	0.0	52.5	49.7
Kuwait	508	25.8	19.8	35.5	12.4	25.8	4.7	1.9	28.2	23.4
Lithuania	638	45.6	3.3	42.8	7.1	45.6	1.2	0.0	43.5	47.5
Morocco	726	32.7	14.3	36.8	13.2	32.7	2.1	1.0	34.0	31.7
Netherlands	646	73.5	3.6	18.4	3.3	73.5	1.0	0.2	72.2	74.7
New Zealand	894	68.6	3.1	17.1	8.7	68.6	1.9	0.6	67.2	70.0
Northern Ireland	445	73.2	3.1	15.2	8.2	73.2	0.2	0.0	71.0	75.3
Norway	620	59.0	14.1	16.4	9.5	59.0	0.9	0.0	58.5	59.5
Oman	1310	39.2	10.3	37.1	11.5	39.2	1.5	0.5	40.4	37.9
Poland	672	52.6	4.7	35.6	6.9	52.6	0.2	0.0	50.0	55.8
Portugal	670	65.9	0.9	23.2	8.2	65.9	1.1	0.7	58.9	72.8
Qatar	752	49.5	9.1	31.2	8.1	49.5	0.9	1.1	48.5	50.6
Russian Federation	713	62.8	1.2	27.7	6.2	62.8	2.1	0.0	57.7	67.9
Saudi Arabia	607	35.6	12.2	34.8	14.6	35.6	1.9	0.9	37.9	33.5
Serbia	570	41.5	5.9	45.0	6.0	41.5	1.0	0.6	35.1	46.7
Singapore	932	78.0	3.3	14.0	4.4	78.0	0.3	0.1	77.4	78.5
Slovak Republic	836	54.8	4.8	37.2	2.1	54.8	1.0	0.1	49.4	60.0
Slovenia	639	56.2	11.9	30.2	0.5	56.2	0.9	0.4	51.7	60.8
Spain	1098	79.6	3.3	11.7	4.4	79.6	0.4	0.6	77.0	82.1
Sweden	595	28.2	5.6	49.3	15.1	28.2	1.7	0.2	27.8	28.8
Turkey	923	11.6	17.2	54.0	16.6	11.6	0.5	0.1	10.0	13.2
United Arab Emirates	3023	47.5	9.6	28.3	12.3	47.5	1.9	0.4	45.9	48.9
United States	1433	78.8	1.6	12.8	5.6	78.8	0.6	0.7	77.4	80.2
International Avg (n=47)	36133	52.0	6.7	28.6	10.9	52.0	1.4	0.5	49.8	54.1
Buenos Aires, Argentina	442	56.8	5.8	15.7	13.2	56.8	6.7	1.8	55.3	58.1
Ontario, Canada	644	77.8	1.5	14.8	4.2	77.8	0.7	1.0	78.5	77.3
Quebec, Canada	386	83.6	2.4	6.1	7.4	83.6	0.5	0.0	81.4	85.6
Norway (4)	589	56.9	13.1	15.9	11.9	56.9	1.6	0.6	53.0	60.4
Abu Dhabi, UAE	710	39.6	12.4	30.6	14.9	39.6	2.0	0.6	38.9	40.3
Dubai, UAE	1074	62.2	4.5	20.7	10.9	62.2	1.6	0.1	59.9	64.5
Florida, US	292	79.6	1.3	15.0	2.9	79.6	0.9	0.3	77.4	82.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S05_04 (S041177): Life Science / Applying Type: CR 2 Points
Label: Living things make their own food

COUNTRY	N	20 %	10 %	11 %	70 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	17.9	18.4	11.1	7.8	43.4	47.4	17.9	1.1	0.3	21.9	14.3
Bahrain	586	22.1	19.7	9.9	6.1	39.6	51.7	22.1	1.1	1.5	24.6	19.3
Belgium (Flemish)	761	9.6	20.1	11.0	4.5	53.0	40.8	9.6	1.7	0.1	10.1	9.2
Bulgaria	599	29.2	32.0	9.3	11.6	15.8	70.5	29.2	1.5	0.5	32.7	26.1
Canada	1726	25.6	22.2	11.0	5.5	33.5	58.8	25.6	1.5	0.8	28.6	22.8
Chile	678	17.8	19.8	9.9	13.9	34.4	47.5	17.8	2.7	1.4	18.3	17.3
Chinese Taipei	612	15.9	19.2	10.0	5.9	48.7	45.1	15.9	0.3	0.0	14.6	17.2
Croatia	569	15.5	22.7	11.3	5.1	43.3	49.5	15.5	1.8	0.3	11.8	18.9
Cyprus	582	7.9	15.8	12.2	12.2	48.8	35.9	7.9	2.3	0.8	10.7	5.2
Czech Republic	740	18.0	19.5	11.0	4.3	44.0	48.5	18.0	2.6	0.5	18.2	17.7
Denmark	528	8.7	24.6	15.6	7.7	40.4	48.9	8.7	2.6	0.5	7.5	10.1
England	578	15.1	24.4	15.9	6.1	36.9	55.3	15.1	1.5	0.2	16.4	13.7
Finland	716	16.7	16.2	10.4	6.0	48.1	43.3	16.7	1.8	0.7	20.8	13.0
France	698	9.4	17.3	12.6	7.9	48.2	39.4	9.4	3.0	1.5	9.5	9.4
Georgia	552	5.3	7.5	6.8	12.2	59.4	19.5	5.3	6.5	2.5	5.4	5.1
Germany	556	9.1	15.7	15.7	7.3	46.0	40.4	9.1	6.1	0.2	8.7	9.4
Hong Kong SAR	507	22.7	22.5	17.5	2.2	35.2	62.7	22.7	0.0	0.0	24.4	21.2
Hungary	716	12.5	12.6	10.0	5.0	57.6	35.1	12.5	1.9	0.4	15.1	9.9
Indonesia	564	6.7	16.6	15.5	30.5	29.3	38.7	6.7	1.4	0.0	7.9	5.4
Iran, Islamic Rep. of	539	1.4	7.8	9.0	41.0	35.4	18.2	1.4	3.5	2.0	0.7	2.1
Ireland	620	15.8	16.8	11.8	4.8	49.7	44.4	15.8	1.1	0.0	18.1	13.8
Italy	620	27.9	18.2	16.1	7.8	27.7	62.2	27.9	2.2	0.1	25.9	29.8
Japan	629	11.2	23.9	12.5	3.2	49.0	47.6	11.2	0.3	0.0	10.6	11.8
Kazakhstan	672	35.7	25.6	6.0	5.6	26.4	67.3	35.7	0.6	0.1	35.3	36.0
Korea, Rep. of	674	5.5	20.8	20.7	21.0	31.7	46.9	5.5	0.4	0.0	4.8	6.1
Kuwait	508	6.1	10.7	7.9	18.0	50.7	24.8	6.1	4.4	2.1	9.0	3.4
Lithuania	638	10.5	25.0	16.8	19.9	27.0	52.2	10.5	0.9	0.0	9.3	11.6
Morocco	730	1.3	3.0	0.1	0.2	52.9	4.3	1.3	41.5	1.1	1.6	1.0
Netherlands	646	11.1	26.5	12.6	2.0	46.6	50.2	11.1	1.0	0.2	9.9	12.2
New Zealand	894	16.9	16.5	10.5	6.7	47.6	43.9	16.9	1.1	0.6	15.4	18.4
Northern Ireland	447	13.1	15.0	17.9	9.7	42.2	46.1	13.1	2.1	0.0	12.6	13.5
Norway	620	11.5	26.3	15.0	8.3	37.8	52.8	11.5	1.1	0.0	10.9	12.2
Oman	1314	28.0	17.0	5.8	10.5	36.4	50.9	28.0	1.8	0.5	31.2	24.7
Poland	672	31.1	24.8	12.9	9.9	20.6	68.7	31.1	0.7	0.1	32.8	29.0
Portugal	670	6.1	19.2	18.3	8.0	44.9	43.6	6.1	2.9	0.7	6.3	5.9
Qatar	752	12.0	18.0	13.5	18.7	34.7	43.5	12.0	2.0	1.1	12.2	11.8
Russian Federation	713	5.8	37.6	20.6	5.4	30.1	64.0	5.8	0.5	0.0	6.5	5.1
Saudi Arabia	608	11.4	17.5	12.5	6.6	48.0	41.5	11.4	3.0	0.9	11.5	11.4
Serbia	570	21.8	26.2	8.4	2.3	38.2	56.5	21.8	2.0	1.0	21.5	22.2
Singapore	932	48.1	25.1	12.7	3.6	10.0	86.0	48.1	0.3	0.1	49.2	47.2
Slovak Republic	836	14.4	17.8	10.9	10.3	42.6	43.1	14.4	3.7	0.2	16.0	12.8
Slovenia	639	20.2	19.5	11.4	8.6	38.2	51.1	20.2	1.6	0.5	24.0	16.4
Spain	1098	20.4	25.1	15.7	12.3	23.6	61.2	20.4	2.3	0.6	18.3	22.3
Sweden	595	7.5	22.7	11.3	7.0	48.7	41.5	7.5	2.6	0.2	10.8	4.3
Turkey	923	19.4	24.7	12.3	8.8	33.7	56.3	19.4	1.1	0.1	20.9	17.9
United Arab Emirates	3023	18.1	19.6	10.5	14.4	34.2	48.2	18.1	2.8	0.4	19.1	17.0
United States	1433	39.3	22.0	9.0	3.2	25.3	70.3	39.3	0.4	0.8	39.0	39.6
International Avg (n=47)	36150	16.1	20.0	12.1	9.4	39.1	48.2	16.1	2.8	0.5	16.8	15.4
Buenos Aires, Argentina	442	10.4	18.6	12.3	10.0	31.1	41.3	10.4	15.5	2.1	9.8	11.0
Ontario, Canada	645	32.4	21.4	10.1	3.9	30.0	63.9	32.4	1.1	1.2	34.9	29.9
Quebec, Canada	388	15.3	23.9	11.5	4.3	43.0	50.7	15.3	1.9	0.2	19.7	11.0
Norway (4)	589	9.0	16.5	14.2	13.7	43.4	39.6	9.0	2.3	1.0	9.7	8.4
Abu Dhabi, UAE	710	15.0	18.1	8.9	14.3	39.9	41.9	15.0	3.4	0.6	12.5	17.3
Dubai, UAE	1074	24.8	25.1	13.2	9.1	27.0	63.1	24.8	0.8	0.1	27.3	22.3
Florida, US	292	45.2	22.6	9.0	2.4	19.3	76.8	45.2	1.2	0.3	42.4	48.2

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S05_05 (S041183): Life Science / Applying Type: CR 2 Points
Label: Maintaining good physical health

COUNTRY	N	20 %	29 %	10 %	19 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	16.9	0.8	43.8	1.8	30.0	63.4	17.7	6.3	0.3	19.7	15.9
Bahrain	586	17.4	1.2	31.6	6.1	25.4	56.3	18.6	16.8	1.5	20.2	16.8
Belgium (Flemish)	761	14.6	3.8	60.9	11.1	3.6	90.4	18.4	5.9	0.1	21.4	15.7
Bulgaria	599	13.1	1.4	61.2	5.3	5.3	81.0	14.4	13.0	0.7	17.7	11.5
Canada	1726	16.9	2.9	55.8	7.2	10.2	82.8	19.8	6.1	0.9	21.4	18.3
Chile	678	18.3	1.1	62.3	2.8	6.6	84.5	19.4	7.1	1.8	19.9	18.9
Chinese Taipei	612	13.0	6.7	49.4	12.9	12.2	81.9	19.7	5.9	0.0	17.7	21.5
Croatia	569	22.3	3.3	58.2	3.8	10.3	87.6	25.6	1.9	0.3	28.9	22.6
Cyprus	582	14.0	2.1	54.7	4.0	9.3	74.8	16.1	14.7	1.2	16.3	16.0
Czech Republic	740	14.5	0.1	41.2	2.1	22.5	57.8	14.6	19.0	0.8	16.6	12.5
Denmark	528	11.9	0.7	60.8	6.5	12.5	79.9	12.6	6.6	1.0	14.9	10.2
England	578	14.5	5.8	46.0	2.6	24.8	68.9	20.3	6.2	0.2	21.7	18.8
Finland	716	10.3	7.5	50.9	11.0	10.1	79.8	17.9	9.2	0.9	21.1	14.9
France	698	14.6	3.9	55.0	8.3	3.9	81.8	18.5	12.6	1.7	20.2	16.6
Georgia	552	7.8	0.6	45.5	5.2	20.3	59.1	8.4	17.6	2.9	6.9	9.8
Germany	556	16.3	10.5	36.8	15.9	11.9	79.5	26.8	8.0	0.6	28.2	25.6
Hong Kong SAR	507	19.0	9.7	47.0	14.5	5.4	90.1	28.6	4.5	0.0	32.6	25.0
Hungary	716	25.6	7.0	41.2	6.3	11.3	80.1	32.6	8.1	0.6	33.0	32.2
Indonesia	564	17.9	0.6	32.5	6.5	33.5	57.5	18.5	8.9	0.0	20.2	16.9
Iran, Islamic Rep. of	539	7.3	5.3	33.1	14.3	15.1	60.0	12.7	23.0	2.0	18.0	7.3
Ireland	620	14.4	4.0	57.9	7.5	9.9	83.7	18.4	6.4	0.0	15.6	20.9
Italy	620	12.0	1.3	45.7	2.3	27.9	61.3	13.3	10.7	0.1	15.3	11.4
Japan	629	40.2	19.3	25.3	7.2	3.8	92.0	59.5	4.2	0.0	62.9	56.2
Kazakhstan	672	4.7	3.4	79.1	3.7	3.7	91.0	8.1	5.3	0.1	11.4	5.0
Korea, Rep. of	674	40.6	9.8	38.3	7.5	3.0	96.3	50.4	0.8	0.0	51.1	49.8
Kuwait	508	9.4	1.5	12.4	1.3	25.2	24.6	10.9	48.0	2.2	13.2	8.7
Lithuania	638	17.0	1.8	66.5	4.6	5.2	89.8	18.7	5.0	0.0	19.6	17.9
Morocco	730	6.8	2.3	15.2	2.1	39.5	26.4	9.1	32.3	1.8	9.6	8.7
Netherlands	646	14.7	1.8	65.9	4.8	9.8	87.2	16.5	2.7	0.2	18.4	14.8
New Zealand	894	9.8	5.0	47.7	6.0	24.4	68.6	14.8	6.4	0.6	17.1	12.5
Northern Ireland	447	15.7	4.7	47.6	4.9	19.7	72.8	20.3	7.5	0.0	21.0	19.7
Norway	620	10.4	3.7	62.1	12.3	8.0	88.6	14.1	3.4	0.0	17.2	11.0
Oman	1314	9.1	2.1	28.0	6.4	35.5	45.6	11.2	18.2	0.6	13.9	8.5
Poland	672	17.4	12.9	45.7	15.5	3.3	91.5	30.3	5.2	0.1	36.8	22.7
Portugal	670	17.3	2.2	63.9	7.4	4.4	90.7	19.4	4.1	0.8	20.6	18.3
Qatar	752	14.5	1.1	30.7	4.0	30.5	50.3	15.6	17.9	1.3	17.7	13.5
Russian Federation	713	13.7	0.0	77.6	1.9	3.3	93.3	13.7	3.4	0.0	11.9	15.5
Saudi Arabia	608	2.4	0.3	32.7	0.7	25.0	36.2	2.8	38.0	0.9	5.5	0.4
Serbia	570	14.2	1.3	66.9	3.2	4.5	85.6	15.5	8.9	1.1	18.4	13.1
Singapore	932	26.5	2.6	58.9	2.4	7.7	90.3	29.1	1.9	0.1	31.4	27.0
Slovak Republic	836	16.9	4.6	42.5	8.8	15.6	72.8	21.5	11.2	0.3	21.0	21.9
Slovenia	639	17.4	3.5	54.1	3.8	9.9	78.8	21.0	10.8	0.5	23.7	18.2
Spain	1098	12.0	2.2	65.9	8.0	6.7	88.1	14.2	4.6	0.6	15.2	13.2
Sweden	595	9.5	3.1	47.8	9.4	21.3	69.8	12.6	8.5	0.5	14.9	10.5
Turkey	923	9.6	4.1	54.1	15.2	10.5	82.9	13.6	6.4	0.2	17.0	10.4
United Arab Emirates	3023	12.5	1.0	40.0	3.4	21.8	56.9	13.6	20.7	0.6	15.2	12.0
United States	1433	24.6	5.0	41.5	4.1	18.8	75.3	29.7	5.1	0.8	30.9	28.3
International Avg (n=47)	36150	15.3	3.8	48.5	6.5	14.5	74.2	19.1	10.6	0.7	20.9	17.4
Buenos Aires, Argentina	441	2.6	0.2	54.3	2.7	9.0	59.8	2.8	28.9	2.3	3.0	2.5
Ontario, Canada	645	17.9	3.0	53.7	8.4	10.0	83.0	20.9	5.8	1.2	23.8	18.1
Quebec, Canada	388	19.3	2.8	60.6	5.5	6.4	88.2	22.1	4.8	0.6	22.5	21.7
Norway (4)	589	5.3	1.3	56.5	7.4	19.1	70.6	6.7	9.0	1.4	7.5	6.0
Abu Dhabi, UAE	710	9.1	0.9	34.5	3.3	27.5	47.8	10.0	23.8	0.9	9.0	11.0
Dubai, UAE	1074	19.0	1.5	49.5	3.8	14.6	73.8	20.5	11.5	0.1	23.8	17.3
Florida, US	292	25.1	4.7	47.1	5.0	12.8	81.9	29.8	4.8	0.5	32.9	26.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S05_06 (S041008): Life Science / Knowing Type: MC Key: A
Label: Which animal is a mammal

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	52.5	52.5	9.9	21.8	14.2	1.3	0.3	55.0	50.3
Bahrain	586	30.4	30.4	24.2	27.3	14.7	1.6	1.7	28.6	32.4
Belgium (Flemish)	761	39.6	39.6	10.9	30.7	14.2	4.6	0.1	42.4	37.0
Bulgaria	599	71.5	71.5	3.7	16.7	6.3	1.0	0.8	73.0	70.1
Canada	1718	56.9	56.9	7.3	24.9	9.3	0.6	1.0	56.1	58.0
Chile	678	38.0	38.0	12.9	28.2	17.2	1.8	1.9	39.6	36.4
Chinese Taipei	612	68.9	68.9	3.6	17.3	9.2	1.0	0.0	69.2	68.7
Croatia	569	37.5	37.5	11.3	29.4	19.2	2.1	0.5	33.6	41.1
Cyprus	582	35.3	35.3	19.0	25.3	17.2	1.5	1.6	35.9	34.8
Czech Republic	740	80.0	80.0	2.8	8.5	5.7	2.0	1.0	84.4	75.3
Denmark	528	48.6	48.6	9.3	24.3	12.0	4.3	1.4	52.2	44.9
England	578	44.1	44.1	7.4	31.5	16.0	0.8	0.2	45.2	43.0
Finland	716	55.4	55.4	11.6	15.4	13.0	3.6	1.0	60.1	51.0
France	698	36.6	36.6	9.6	34.5	12.4	5.1	1.7	36.8	36.4
Georgia	552	32.1	32.1	3.3	52.5	7.3	1.6	3.2	28.5	35.8
Germany	556	42.7	42.7	14.0	23.1	13.6	5.8	0.8	44.6	41.0
Hong Kong SAR	507	57.4	57.4	9.3	23.1	9.1	1.2	0.0	59.6	55.4
Hungary	716	74.8	74.8	3.3	5.6	9.1	6.4	0.9	74.9	74.6
Indonesia	564	57.6	57.6	11.8	15.7	14.2	0.7	0.0	52.4	62.9
Iran, Islamic Rep. of	539	24.5	24.5	21.2	29.0	18.5	4.5	2.4	23.7	25.4
Ireland	620	40.8	40.8	10.2	36.6	11.8	0.3	0.2	40.6	41.1
Italy	620	59.3	59.3	7.4	20.9	8.2	3.7	0.4	58.9	59.8
Japan	629	44.1	44.1	15.0	21.7	11.5	7.6	0.1	42.2	45.9
Kazakhstan	672	70.0	70.0	5.2	12.0	12.6	0.1	0.1	69.1	70.8
Korea, Rep. of	674	48.3	48.3	8.2	23.7	19.0	0.7	0.0	43.2	53.0
Kuwait	508	30.0	30.0	20.9	21.6	17.3	6.8	3.3	32.2	28.0
Lithuania	638	51.1	51.1	10.7	18.8	16.5	2.8	0.0	54.2	48.3
Morocco	723	22.6	22.6	24.7	25.3	21.7	3.8	1.9	20.4	24.5
Netherlands	646	36.2	36.2	17.0	26.3	17.0	3.2	0.2	37.8	34.7
New Zealand	894	40.1	40.1	7.7	30.6	17.3	3.6	0.7	36.6	43.7
Northern Ireland	443	42.0	42.0	8.5	33.7	15.2	0.5	0.0	41.2	42.8
Norway	620	35.7	35.7	28.5	18.9	12.3	4.5	0.1	34.8	36.6
Oman	1312	38.2	38.2	18.4	26.0	15.0	1.6	0.8	36.4	39.9
Poland	672	67.7	67.7	4.5	12.5	13.0	2.2	0.1	68.8	66.3
Portugal	670	47.4	47.4	5.1	35.2	9.3	2.0	0.9	48.5	46.4
Qatar	752	34.4	34.4	19.0	24.8	16.9	3.5	1.5	31.8	37.0
Russian Federation	713	53.8	53.8	16.4	10.3	16.7	2.7	0.1	54.7	52.9
Saudi Arabia	602	25.7	25.7	24.8	25.2	19.8	3.3	1.3	27.1	24.5
Serbia	570	53.8	53.8	6.7	24.3	10.9	3.0	1.3	48.2	58.4
Singapore	932	76.4	76.4	3.6	16.1	3.6	0.2	0.1	75.9	76.8
Slovak Republic	836	66.6	66.6	6.3	15.4	9.9	1.3	0.4	66.4	66.8
Slovenia	639	53.4	53.4	5.9	22.9	15.0	2.4	0.5	52.4	54.3
Spain	1098	61.7	61.7	7.6	21.3	6.7	2.1	0.6	61.7	61.7
Sweden	595	37.6	37.6	18.0	16.3	19.4	7.9	0.9	40.0	35.5
Turkey	923	39.0	39.0	14.5	32.6	12.5	1.3	0.2	39.2	38.8
United Arab Emirates	3023	41.4	41.4	18.4	24.4	12.5	2.6	0.6	42.4	40.5
United States	1433	61.5	61.5	7.6	18.8	9.0	1.9	1.1	62.0	61.0
International Avg (n=47)	36123	48.2	48.2	11.6	23.4	13.3	2.7	0.8	48.1	48.2
Buenos Aires, Argentina	442	36.9	36.9	7.7	29.2	13.6	8.8	3.7	35.3	38.3
Ontario, Canada	642	60.0	60.0	7.0	22.6	8.4	0.9	1.2	56.8	63.5
Quebec, Canada	386	54.4	54.4	6.7	30.0	8.1	0.1	0.7	55.0	53.8
Norway (4)	589	34.4	34.4	31.1	14.9	13.7	4.4	1.5	36.1	32.8
Abu Dhabi, UAE	710	40.6	40.6	16.0	24.3	15.1	3.0	1.0	40.2	41.0
Dubai, UAE	1074	47.6	47.6	15.2	26.2	8.9	2.0	0.1	49.7	45.6
Florida, US	292	65.5	65.5	6.0	19.4	6.2	2.0	0.8	65.9	65.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S05_08 (S041195): Physical Science / Applying Type: CR 1 Point
Label: Bulb lights in which circuit

COUNTRY	N	10 %	70 %	71 %	72 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	10.0	22.2	46.1	16.8	2.4	10.0	1.9	0.5	10.6	9.4
Bahrain	586	17.8	24.8	23.0	20.3	10.5	17.8	2.0	1.7	19.9	15.4
Belgium (Flemish)	761	20.0	21.5	44.6	10.9	1.3	20.0	1.7	0.1	18.2	21.8
Bulgaria	599	19.8	23.2	36.2	11.0	1.2	19.8	7.1	1.5	19.2	20.4
Canada	1726	15.1	20.0	44.1	16.2	1.2	15.1	2.2	1.2	14.6	15.7
Chile	678	7.5	24.6	41.5	17.0	3.5	7.5	2.6	3.3	6.2	8.8
Chinese Taipei	612	28.9	32.8	21.7	16.0	0.0	28.9	0.7	0.0	30.7	27.2
Croatia	569	22.4	15.4	27.4	26.1	3.8	22.4	4.2	0.7	20.1	24.5
Cyprus	582	16.9	22.8	36.4	14.8	2.4	16.9	4.1	2.6	14.8	19.0
Czech Republic	740	17.0	26.2	32.1	6.0	13.7	17.0	3.4	1.7	16.4	17.5
Denmark	528	20.6	9.6	16.6	7.3	40.2	20.6	3.0	2.8	17.2	24.2
England	578	19.8	17.4	44.3	14.9	1.4	19.8	1.4	0.8	17.4	22.5
Finland	716	24.3	27.9	34.0	9.5	1.2	24.3	1.9	1.3	24.0	24.6
France	698	18.8	16.3	39.5	19.2	0.5	18.8	3.4	2.3	21.6	15.8
Georgia	552	9.7	31.6	22.3	18.8	6.1	9.7	7.9	3.7	10.0	9.4
Germany	556	29.8	26.8	32.8	5.9	0.5	29.8	2.5	1.7	26.6	32.7
Hong Kong SAR	507	15.4	31.0	44.1	6.3	2.7	15.4	0.5	0.0	18.1	12.8
Hungary	716	9.9	34.3	31.5	19.9	1.4	9.9	2.1	1.0	8.4	11.3
Indonesia	564	7.3	18.9	23.3	25.7	23.0	7.3	1.8	0.0	5.7	8.9
Iran, Islamic Rep. of	539	14.6	23.0	19.2	34.8	2.1	14.6	3.4	3.0	12.3	16.9
Ireland	620	15.1	22.2	45.8	14.7	1.8	15.1	0.1	0.3	14.2	15.9
Italy	619	10.0	24.7	39.9	18.5	1.1	10.0	5.1	0.7	6.9	12.9
Japan	629	56.5	23.6	10.6	4.1	4.1	56.5	0.9	0.1	59.8	53.2
Kazakhstan	672	42.1	9.9	15.5	9.0	21.1	42.1	2.5	0.1	41.7	42.4
Korea, Rep. of	674	30.3	20.0	41.7	6.9	0.5	30.3	0.5	0.0	24.4	35.7
Kuwait	508	4.4	27.2	21.5	25.1	13.7	4.4	4.7	3.5	5.6	3.2
Lithuania	638	21.6	32.2	33.1	9.6	0.6	21.6	2.9	0.0	21.9	21.4
Morocco	730	10.8	34.1	22.8	22.3	5.6	10.8	1.4	3.0	14.6	7.7
Netherlands	646	15.7	21.2	40.3	13.3	6.4	15.7	2.6	0.5	17.6	14.1
New Zealand	894	15.7	22.9	35.5	18.7	2.1	15.7	3.7	1.4	14.9	16.5
Northern Ireland	447	9.7	22.1	52.4	14.3	0.5	9.7	1.0	0.0	12.3	7.3
Norway	620	29.3	20.9	36.1	10.7	0.6	29.3	2.0	0.4	30.5	28.1
Oman	1313	19.5	30.5	20.0	22.1	5.8	19.5	1.3	0.9	22.0	16.9
Poland	672	11.7	29.2	38.9	15.6	2.9	11.7	1.5	0.2	10.6	13.1
Portugal	670	11.1	26.6	39.1	17.4	1.6	11.1	2.7	1.5	10.2	11.9
Qatar	752	12.7	27.0	24.7	15.0	17.2	12.7	1.1	2.3	10.6	14.9
Russian Federation	713	30.0	30.1	30.8	4.7	1.6	30.0	2.5	0.3	30.1	30.0
Saudi Arabia	608	9.2	4.7	14.4	12.0	56.2	9.2	2.1	1.4	14.1	4.8
Serbia	570	18.9	23.4	27.7	14.8	9.2	18.9	4.1	1.8	17.2	20.3
Singapore	932	25.9	29.1	27.2	16.5	0.7	25.9	0.3	0.1	25.1	26.7
Slovak Republic	836	16.9	31.2	32.4	12.6	3.6	16.9	2.8	0.5	16.9	16.9
Slovenia	639	34.8	17.7	27.3	10.4	8.0	34.8	0.9	0.9	31.2	38.5
Spain	1098	13.5	18.6	40.6	21.2	2.5	13.5	2.5	1.0	11.2	15.8
Sweden	595	39.5	19.1	23.2	10.4	2.3	39.5	4.1	1.4	39.7	39.3
Turkey	923	21.7	20.6	34.7	17.7	3.1	21.7	1.9	0.3	22.2	21.2
United Arab Emirates	3023	13.0	34.3	29.7	17.4	2.4	13.0	2.2	1.0	14.0	12.0
United States	1433	20.4	25.6	34.0	15.0	1.2	20.4	2.2	1.6	21.5	19.3
International Avg (n=47)	36148	19.3	23.8	31.9	15.0	6.3	19.3	2.5	1.2	19.0	19.5
Buenos Aires, Argentina	442	10.6	16.3	23.5	19.6	6.5	10.6	16.8	6.8	7.3	13.7
Ontario, Canada	645	14.1	19.5	44.6	16.4	1.2	14.1	2.6	1.5	13.9	14.4
Quebec, Canada	388	16.9	20.3	49.5	10.4	0.7	16.9	1.4	0.9	16.6	17.2
Norway (4)	589	14.0	23.3	38.7	17.1	1.4	14.0	2.9	2.7	17.5	10.8
Abu Dhabi, UAE	710	8.6	35.4	32.6	17.2	3.2	8.6	1.4	1.6	8.6	8.5
Dubai, UAE	1074	23.2	27.0	31.0	14.7	1.9	23.2	2.0	0.1	22.7	23.8
Florida, US	292	15.3	23.7	44.3	13.5	0.3	15.3	2.1	0.8	14.9	15.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S05_09A (S041134A): Physical Science / Reasoning Type: CR 1 Point
Label: 1 or 2 dissolves the candy fastest

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	22.9	73.8	22.9	2.8	0.5	21.3	24.4
Bahrain	586	28.2	65.3	28.2	4.4	2.1	30.7	25.4
Belgium (Flemish)	761	55.3	43.0	55.3	1.3	0.4	58.7	52.1
Bulgaria	599	36.5	57.4	36.5	4.0	2.1	41.6	31.9
Canada	1726	32.1	62.2	32.1	4.4	1.3	35.5	28.8
Chile	678	13.1	77.9	13.1	5.7	3.3	15.5	10.6
Chinese Taipei	612	52.6	46.8	52.6	0.6	0.0	59.8	46.1
Croatia	569	42.1	54.9	42.1	2.0	1.0	47.7	37.0
Cyprus	582	48.3	40.7	48.3	7.5	3.5	48.6	48.0
Czech Republic	740	23.1	71.0	23.1	3.8	2.1	23.1	23.1
Denmark	528	40.6	52.7	40.6	3.5	3.2	44.4	36.7
England	578	25.4	72.5	25.4	1.1	1.0	27.5	23.1
Finland	716	22.4	73.9	22.4	2.4	1.3	23.2	21.7
France	698	7.6	83.1	7.6	6.5	2.7	4.8	10.7
Georgia	552	12.2	77.1	12.2	6.5	4.2	14.8	9.5
Germany	556	24.1	70.7	24.1	3.4	1.8	26.8	21.7
Hong Kong SAR	507	23.5	75.7	23.5	0.8	0.0	25.3	21.8
Hungary	716	23.1	73.5	23.1	1.8	1.6	24.2	22.1
Indonesia	564	14.5	80.0	14.5	5.2	0.4	16.8	12.0
Iran, Islamic Rep. of	539	10.8	77.0	10.8	7.8	4.3	10.4	11.4
Ireland	620	18.4	80.4	18.4	0.9	0.3	18.1	18.7
Italy	620	15.3	80.0	15.3	3.9	0.7	15.4	15.3
Japan	629	45.6	52.7	45.6	1.5	0.1	48.2	43.1
Kazakhstan	672	54.9	42.9	54.9	2.1	0.1	59.1	50.9
Korea, Rep. of	674	44.2	55.5	44.2	0.3	0.0	44.4	44.1
Kuwait	507	8.0	80.5	8.0	8.0	3.5	7.6	8.3
Lithuania	638	65.4	31.9	65.4	2.4	0.4	69.9	61.1
Morocco	729	17.5	72.9	17.5	6.2	3.3	21.3	14.4
Netherlands	646	14.8	83.1	14.8	1.1	1.0	17.2	12.6
New Zealand	894	23.4	70.8	23.4	4.4	1.4	29.1	17.6
Northern Ireland	447	18.0	81.1	18.0	0.8	0.1	21.1	15.2
Norway	620	24.8	73.2	24.8	1.4	0.6	26.7	22.7
Oman	1313	17.6	78.9	17.6	2.6	0.9	19.7	15.5
Poland	672	36.8	61.7	36.8	1.3	0.2	40.4	32.4
Portugal	670	11.2	84.0	11.2	2.8	2.0	9.6	12.9
Qatar	752	21.3	72.6	21.3	3.8	2.3	23.4	19.1
Russian Federation	713	48.4	49.3	48.4	1.9	0.5	48.4	48.3
Saudi Arabia	608	8.9	81.5	8.9	8.0	1.6	12.7	5.4
Serbia	570	15.5	78.4	15.5	3.8	2.3	14.2	16.6
Singapore	932	31.6	67.9	31.6	0.4	0.1	32.2	31.0
Slovak Republic	836	15.0	81.3	15.0	2.6	1.1	13.3	16.7
Slovenia	639	21.4	74.5	21.4	3.0	1.1	18.0	24.9
Spain	1098	53.8	42.0	53.8	2.8	1.4	56.6	51.0
Sweden	595	24.4	70.0	24.4	4.0	1.6	24.3	24.5
Turkey	923	36.9	60.2	36.9	2.6	0.3	40.7	33.2
United Arab Emirates	3023	15.8	79.6	15.8	3.5	1.1	16.6	15.1
United States	1433	29.5	66.8	29.5	1.8	1.9	30.0	29.1
International Avg (n=47)	36147	27.6	67.7	27.6	3.3	1.4	29.3	25.9
Buenos Aires, Argentina	442	8.6	62.3	8.6	22.0	7.1	9.2	8.1
Ontario, Canada	645	31.8	62.1	31.8	4.4	1.7	37.8	25.8
Quebec, Canada	388	37.6	56.6	37.6	5.0	0.9	36.7	38.3
Norway (4)	589	15.0	78.9	15.0	2.3	3.7	16.2	14.0
Abu Dhabi, UAE	710	12.1	83.1	12.1	3.1	1.6	10.5	13.6
Dubai, UAE	1074	27.6	69.3	27.6	3.0	0.1	31.0	24.2
Florida, US	292	31.3	66.4	31.3	1.0	1.2	31.2	31.5

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S05_09B (S041134B): Physical Science / Reasoning Type: CR 1 Point
Label: 1 or 3 dissolves the candy fastest

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	44.4	13.9	38.2	44.4	2.6	0.9	45.5	43.5
Bahrain	586	43.5	17.6	32.5	43.5	3.3	3.1	48.8	37.5
Belgium (Flemish)	761	49.3	20.5	27.6	49.3	2.0	0.6	58.0	41.3
Bulgaria	599	40.5	10.4	42.1	40.5	4.6	2.3	46.4	35.2
Canada	1726	47.7	11.5	33.5	47.7	4.2	3.1	51.1	44.3
Chile	677	28.9	14.4	46.7	28.9	5.3	4.7	32.2	25.4
Chinese Taipei	612	64.6	5.0	29.8	64.6	0.4	0.2	68.0	61.4
Croatia	569	72.4	7.6	17.1	72.4	1.9	1.0	75.9	69.1
Cyprus	582	49.8	11.4	26.2	49.8	6.3	6.3	50.7	49.0
Czech Republic	740	51.4	7.3	34.2	51.4	4.2	2.9	53.3	49.4
Denmark	528	52.2	2.2	37.6	52.2	2.8	5.2	56.3	47.9
England	578	37.3	8.6	51.3	37.3	1.9	1.0	37.5	37.1
Finland	716	47.8	13.1	35.2	47.8	1.9	1.9	53.5	42.5
France	698	46.7	18.5	22.7	46.7	8.2	3.8	47.6	45.8
Georgia	552	16.3	18.8	52.5	16.3	7.9	4.5	19.1	13.5
Germany	556	50.0	11.1	32.6	50.0	3.5	2.8	56.1	44.4
Hong Kong SAR	507	64.7	1.7	32.7	64.7	0.8	0.2	72.2	57.9
Hungary	716	56.2	8.8	30.7	56.2	1.3	3.0	59.7	52.8
Indonesia	564	30.5	12.8	49.3	30.5	6.9	0.5	34.5	26.4
Iran, Islamic Rep. of	537	30.4	18.9	37.4	30.4	5.6	7.7	36.1	24.6
Ireland	620	44.3	7.3	45.4	44.3	1.8	1.2	47.6	41.5
Italy	620	62.6	9.4	22.5	62.6	4.2	1.4	62.6	62.6
Japan	629	83.8	3.7	10.4	83.8	1.5	0.7	87.5	80.1
Kazakhstan	672	59.3	7.0	29.8	59.3	3.5	0.4	64.2	54.7
Korea, Rep. of	674	89.9	2.7	7.1	89.9	0.2	0.1	91.9	88.2
Kuwait	508	10.9	24.9	52.7	10.9	6.3	5.2	12.8	9.0
Lithuania	638	78.4	4.3	13.7	78.4	3.1	0.5	83.6	73.6
Morocco	730	20.4	13.8	55.8	20.4	5.0	5.0	22.3	18.7
Netherlands	646	30.9	13.9	51.6	30.9	2.4	1.3	36.2	26.0
New Zealand	894	41.6	4.1	47.3	41.6	5.5	1.4	42.2	41.0
Northern Ireland	447	45.1	10.3	43.0	45.1	1.5	0.1	46.7	43.5
Norway	620	39.0	16.0	41.4	39.0	1.9	1.6	38.9	39.1
Oman	1314	36.5	25.0	34.2	36.5	3.2	1.2	40.6	32.3
Poland	671	67.2	3.1	27.5	67.2	1.6	0.5	71.1	62.7
Portugal	670	42.9	9.2	39.9	42.9	4.0	4.0	44.7	41.1
Qatar	752	32.5	14.9	45.8	32.5	3.2	3.6	35.4	29.5
Russian Federation	713	66.0	10.1	20.8	66.0	2.4	0.7	70.2	61.8
Saudi Arabia	608	19.7	13.5	58.5	19.7	4.9	3.4	31.6	9.1
Serbia	569	40.4	7.1	43.5	40.4	5.7	3.4	44.5	37.2
Singapore	932	42.0	13.9	43.6	42.0	0.4	0.2	42.9	41.2
Slovak Republic	836	49.0	10.6	35.7	49.0	3.2	1.6	50.0	48.0
Slovenia	639	75.2	4.2	15.6	75.2	2.5	2.6	77.8	72.5
Spain	1098	49.6	13.1	31.0	49.6	3.6	2.7	52.8	46.5
Sweden	594	53.5	10.5	29.6	53.5	3.8	2.6	55.9	51.2
Turkey	923	51.5	16.0	28.3	51.5	3.1	1.1	58.5	44.6
United Arab Emirates	3023	28.9	20.2	45.8	28.9	3.5	1.7	31.5	26.2
United States	1433	43.6	10.6	40.9	43.6	1.9	2.9	43.5	43.8
International Avg (n=47)	36144	47.4	11.3	35.6	47.4	3.4	2.3	50.9	44.1
Buenos Aires, Argentina	442	23.3	12.1	33.8	23.3	22.8	8.1	25.0	21.7
Ontario, Canada	645	44.1	10.1	37.4	44.1	4.0	4.4	48.0	40.4
Quebec, Canada	388	60.9	13.2	19.0	60.9	5.1	1.8	65.5	56.4
Norway (4)	589	28.3	19.3	44.0	28.3	3.7	4.7	34.2	23.0
Abu Dhabi, UAE	710	23.8	21.3	50.4	23.8	2.0	2.5	25.9	21.9
Dubai, UAE	1074	41.9	16.5	37.8	41.9	3.6	0.3	44.1	39.7
Florida, US	292	42.3	14.1	41.1	42.3	0.7	1.8	44.3	40.1

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S05_09C (S041134C): Physical Science / Reasoning Type: MC Key: D
Label: Method gives the less sweet drink

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	50.0	12.2	10.8	22.2	50.0	3.7	1.1	52.6	47.6
Bahrain	586	35.1	15.8	18.4	24.2	35.1	3.2	3.2	40.1	29.6
Belgium (Flemish)	761	49.2	8.8	12.8	26.2	49.2	2.1	1.0	51.8	46.8
Bulgaria	599	49.2	11.8	12.3	20.3	49.2	4.1	2.4	50.2	48.3
Canada	1719	49.3	13.3	8.9	21.3	49.3	3.5	3.8	53.6	45.2
Chile	678	38.5	15.0	13.8	23.4	38.5	4.3	4.9	37.5	39.6
Chinese Taipei	612	68.2	9.3	7.2	14.9	68.2	0.2	0.2	70.3	66.2
Croatia	569	52.1	10.3	13.2	19.8	52.1	3.4	1.2	58.6	46.1
Cyprus	582	40.9	13.8	14.5	20.1	40.9	3.9	6.8	40.1	41.7
Czech Republic	740	50.3	12.1	10.3	19.3	50.3	4.1	3.8	49.5	51.1
Denmark	528	47.8	9.8	13.2	19.5	47.8	3.0	6.7	43.0	52.8
England	578	58.6	9.9	9.9	17.8	58.6	2.2	1.6	63.5	53.2
Finland	716	60.1	10.3	9.9	14.0	60.1	3.5	2.2	65.1	55.4
France	698	44.2	11.6	10.5	22.4	44.2	7.1	4.2	46.3	41.9
Georgia	552	31.4	18.5	16.8	21.4	31.4	7.4	4.5	32.2	30.7
Germany	556	54.4	11.2	7.4	19.4	54.4	4.1	3.5	53.7	55.1
Hong Kong SAR	507	62.2	7.4	11.1	17.7	62.2	1.5	0.2	63.5	60.9
Hungary	716	55.3	8.7	12.9	17.0	55.3	2.6	3.5	59.0	51.8
Indonesia	564	29.4	22.6	21.2	21.7	29.4	4.6	0.5	31.1	27.7
Iran, Islamic Rep. of	537	32.3	19.3	15.0	18.9	32.3	6.5	8.0	37.8	26.7
Ireland	620	53.9	13.2	10.8	18.8	53.9	0.7	2.6	56.7	51.5
Italy	620	51.5	11.2	10.5	20.1	51.5	4.8	1.8	53.3	49.9
Japan	629	74.6	3.8	4.2	14.8	74.6	1.5	1.1	76.5	72.6
Kazakhstan	672	45.1	11.4	16.4	23.6	45.1	3.2	0.4	45.2	44.9
Korea, Rep. of	674	73.9	4.9	6.2	14.5	73.9	0.4	0.1	75.2	72.7
Kuwait	508	26.0	15.7	20.3	21.8	26.0	10.7	5.5	25.9	26.1
Lithuania	638	57.7	8.6	11.1	19.5	57.7	2.1	1.0	57.2	58.1
Morocco	725	25.2	11.8	22.2	30.2	25.2	5.4	5.2	29.1	22.0
Netherlands	646	56.9	10.7	9.3	19.3	56.9	2.2	1.6	60.4	53.7
New Zealand	894	49.9	13.3	9.6	20.1	49.9	5.3	1.7	52.4	47.4
Northern Ireland	434	55.8	9.8	10.9	22.8	55.8	0.6	0.0	59.8	52.2
Norway	620	61.0	8.7	8.3	19.1	61.0	0.8	2.1	67.6	54.2
Oman	1311	34.3	18.8	19.9	22.6	34.3	3.0	1.4	36.6	32.0
Poland	672	64.9	7.5	11.3	14.3	64.9	1.5	0.5	68.6	60.5
Portugal	670	50.8	11.6	8.9	18.6	50.8	4.2	6.0	52.9	48.6
Qatar	752	37.8	15.7	16.6	22.2	37.8	3.6	4.0	39.6	35.9
Russian Federation	713	53.4	8.9	11.6	21.9	53.4	3.2	0.9	59.7	47.1
Saudi Arabia	608	25.3	16.0	22.6	24.7	25.3	7.5	3.9	30.4	20.8
Serbia	570	55.5	12.0	8.6	15.9	55.5	4.1	3.8	60.2	51.7
Singapore	932	64.1	11.1	8.1	15.9	64.1	0.6	0.2	68.5	60.0
Slovak Republic	836	52.4	15.4	11.7	15.6	52.4	2.8	2.1	50.1	54.7
Slovenia	639	59.1	11.1	7.8	16.1	59.1	2.8	3.1	62.3	55.7
Spain	1098	46.7	9.6	11.7	25.1	46.7	3.6	3.3	48.1	45.4
Sweden	594	53.9	13.7	8.2	17.3	53.9	3.7	3.1	57.5	50.6
Turkey	923	43.0	19.3	16.1	18.9	43.0	1.5	1.2	43.0	43.0
United Arab Emirates	3022	41.7	14.2	14.4	24.0	41.7	3.7	1.9	45.9	37.6
United States	1433	45.4	13.4	10.7	24.2	45.4	2.4	3.8	45.2	45.6
International Avg (n=47)	36118	49.3	12.2	12.3	20.1	49.3	3.4	2.7	51.6	47.1
Buenos Aires, Argentina	442	30.8	9.3	11.9	16.2	30.8	22.6	9.2	33.9	27.9
Ontario, Canada	643	49.7	12.6	8.4	21.3	49.7	2.8	5.2	56.1	43.5
Quebec, Canada	386	51.4	12.7	8.1	21.1	51.4	4.4	2.3	53.5	49.4
Norway (4)	589	45.3	11.8	8.0	25.1	45.3	4.0	5.8	47.8	43.1
Abu Dhabi, UAE	710	37.8	15.5	14.6	26.9	37.8	2.5	2.8	41.9	34.0
Dubai, UAE	1073	50.5	14.7	11.5	19.8	50.5	3.1	0.4	55.8	45.3
Florida, US	292	43.7	13.8	12.2	26.7	43.7	1.5	2.1	45.1	42.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S05_10 (S041191): Physical Science / Knowing Type: MC Key: B
Label: Materials and heat conduction

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	47.3	25.9	47.3	13.2	10.5	1.5	1.7	50.9	44.1
Bahrain	586	57.6	17.5	57.6	11.4	8.7	1.3	3.6	55.7	59.7
Belgium (Flemish)	761	41.3	35.6	41.3	12.6	8.3	1.0	1.2	39.4	43.1
Bulgaria	599	69.4	17.8	69.4	5.7	3.7	0.8	2.4	67.4	71.3
Canada	1722	42.5	33.8	42.5	10.3	7.4	1.6	4.4	44.6	40.5
Chile	677	32.2	26.4	32.2	16.0	18.3	1.6	5.7	29.7	34.7
Chinese Taipei	612	73.3	12.6	73.3	6.9	6.0	0.9	0.2	69.4	76.9
Croatia	569	38.4	35.1	38.4	14.2	10.5	0.6	1.2	36.1	40.5
Cyprus	582	38.3	23.6	38.3	18.8	10.3	1.0	8.0	36.1	40.3
Czech Republic	740	41.6	36.7	41.6	6.4	9.0	2.0	4.3	42.4	40.9
Denmark	528	42.4	32.0	42.4	10.1	6.2	1.3	8.1	39.7	45.1
England	578	53.7	17.7	53.7	13.7	11.6	1.3	2.0	52.9	54.5
Finland	716	61.3	27.9	61.3	5.5	1.8	0.8	2.8	59.8	62.7
France	698	39.5	35.3	39.5	10.8	7.2	2.4	4.8	38.9	40.0
Georgia	552	56.1	11.3	56.1	13.5	13.7	0.7	4.6	57.5	54.6
Germany	556	48.9	22.9	48.9	8.2	13.2	2.9	4.0	43.7	53.6
Hong Kong SAR	507	87.0	5.6	87.0	3.8	3.2	0.2	0.2	88.8	85.4
Hungary	716	51.0	23.0	51.0	12.0	8.6	1.9	3.6	46.3	55.6
Indonesia	564	45.1	21.5	45.1	20.5	11.0	1.1	0.9	46.2	43.9
Iran, Islamic Rep. of	538	26.3	17.3	26.3	22.4	23.5	1.1	9.4	28.0	24.6
Ireland	620	44.2	28.0	44.2	15.5	8.8	0.7	2.8	52.0	37.3
Italy	620	44.8	34.0	44.8	7.6	8.7	2.3	2.5	46.4	43.3
Japan	629	79.9	12.4	79.9	2.6	3.6	0.2	1.3	82.2	77.7
Kazakhstan	672	56.7	16.6	56.7	16.2	8.7	1.1	0.8	56.4	56.9
Korea, Rep. of	674	70.0	9.9	70.0	13.2	6.6	0.3	0.1	65.9	73.7
Kuwait	508	40.5	17.6	40.5	20.8	9.7	5.4	6.1	38.6	42.3
Lithuania	638	43.6	28.3	43.6	14.3	11.7	1.1	1.0	40.1	46.9
Morocco	726	54.6	11.0	54.6	14.8	11.2	3.1	5.3	49.9	58.4
Netherlands	646	34.1	31.5	34.1	15.1	14.4	2.8	2.1	32.0	35.9
New Zealand	894	39.9	31.6	39.9	14.1	11.5	1.0	1.9	38.0	41.9
Northern Ireland	439	37.8	28.7	37.8	21.4	12.2	0.0	0.0	39.9	35.8
Norway	620	52.2	25.9	52.2	11.4	6.6	1.4	2.4	53.1	51.2
Oman	1311	70.5	8.9	70.5	10.0	7.1	1.9	1.6	73.6	67.4
Poland	671	44.9	38.6	44.9	10.1	5.1	0.7	0.5	42.5	47.7
Portugal	670	30.4	16.6	30.4	30.4	12.8	1.4	8.4	26.5	34.2
Qatar	752	52.5	19.5	52.5	12.1	10.1	1.3	4.5	50.0	55.1
Russian Federation	713	53.7	19.1	53.7	15.7	9.1	1.5	0.9	52.2	55.1
Saudi Arabia	607	45.5	17.2	45.5	19.0	11.4	2.6	4.3	50.1	41.4
Serbia	570	67.5	16.4	67.5	7.0	3.6	1.5	4.1	67.3	67.6
Singapore	932	94.2	1.6	94.2	1.8	1.6	0.6	0.2	95.4	93.2
Slovak Republic	836	41.2	35.8	41.2	13.2	6.0	1.4	2.4	36.4	45.8
Slovenia	639	54.1	18.6	54.1	12.0	10.3	1.2	3.8	51.7	56.6
Spain	1098	48.0	19.4	48.0	13.2	13.1	1.3	4.9	45.0	50.9
Sweden	595	58.1	22.7	58.1	7.1	5.1	3.2	3.7	58.6	58.0
Turkey	923	44.1	17.0	44.1	17.4	19.8	0.5	1.2	40.6	47.4
United Arab Emirates	3022	50.2	20.6	50.2	14.9	10.9	1.5	2.0	49.1	51.3
United States	1433	51.6	28.2	51.6	6.9	6.9	1.9	4.4	49.6	53.8
International Avg (n=47)	36126	51.0	22.5	51.0	12.6	9.3	1.5	3.1	50.1	51.9
Buenos Aires, Argentina	442	51.1	14.5	51.1	9.8	9.9	4.8	9.9	45.2	56.5
Ontario, Canada	644	43.7	30.3	43.7	9.6	8.7	1.6	6.0	44.7	42.6
Quebec, Canada	387	39.7	42.0	39.7	9.0	6.2	0.8	2.3	45.5	34.0
Norway (4)	589	44.4	24.6	44.4	11.0	10.8	2.5	6.7	45.1	43.7
Abu Dhabi, UAE	709	44.5	25.9	44.5	14.5	10.1	2.1	2.8	42.1	46.8
Dubai, UAE	1074	59.4	18.2	59.4	13.6	7.6	0.6	0.6	60.1	58.7
Florida, US	292	55.7	24.6	55.7	6.9	6.7	3.3	2.8	50.8	61.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S05_11 (S041107): Earth Science / Knowing Type: CR 2 Points
Label: Two planets orbit the sun

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	60.4	23.3	9.8	83.7	60.4	4.5	2.0	64.7	56.7
Bahrain	586	60.4	10.2	19.8	70.6	60.4	5.4	4.2	60.1	60.7
Belgium (Flemish)	761	49.0	32.8	12.5	81.9	49.0	3.9	1.8	48.5	49.5
Bulgaria	599	80.8	3.3	4.4	84.2	80.8	8.4	3.0	81.5	80.2
Canada	1726	58.3	22.1	10.7	80.4	58.3	4.2	4.6	55.7	61.0
Chile	677	68.8	11.4	5.4	80.3	68.8	7.7	6.6	67.3	70.5
Chinese Taipei	612	47.7	24.9	18.3	72.6	47.7	8.2	0.8	44.9	50.3
Croatia	569	57.7	19.4	11.3	77.0	57.7	10.2	1.4	54.6	60.5
Cyprus	582	40.0	23.2	16.5	63.3	40.0	12.0	8.3	38.9	41.2
Czech Republic	740	66.2	11.7	6.7	77.9	66.2	10.3	5.1	68.1	64.1
Denmark	528	50.4	20.3	16.0	70.7	50.4	4.7	8.6	47.6	53.3
England	578	66.4	20.9	7.7	87.3	66.4	2.8	2.2	64.8	68.1
Finland	716	51.3	24.4	15.2	75.7	51.3	5.8	3.2	56.4	46.5
France	698	47.8	21.4	13.6	69.2	47.8	11.9	5.3	47.4	48.3
Georgia	552	64.5	7.8	11.6	72.3	64.5	11.2	4.9	65.3	63.8
Germany	556	49.6	24.1	13.2	73.7	49.6	8.6	4.5	47.9	51.2
Hong Kong SAR	507	60.7	20.4	14.1	81.1	60.7	4.7	0.2	58.6	62.5
Hungary	716	61.3	17.9	11.6	79.3	61.3	5.3	3.9	59.9	62.7
Indonesia	564	27.9	13.2	52.1	41.0	27.9	5.5	1.4	24.9	30.9
Iran, Islamic Rep. of	538	60.8	7.2	12.0	67.9	60.8	10.4	9.6	63.8	57.7
Ireland	620	66.3	22.6	5.4	88.9	66.3	2.8	2.9	66.9	65.7
Italy	620	55.8	16.1	11.7	71.9	55.8	12.9	3.5	53.1	58.3
Japan	629	36.9	30.9	25.2	67.8	36.9	5.7	1.3	29.1	44.7
Kazakhstan	672	60.2	15.8	18.3	75.9	60.2	5.0	0.8	58.9	61.4
Korea, Rep. of	674	66.5	21.2	10.8	87.7	66.5	1.4	0.1	54.7	77.2
Kuwait	508	24.9	16.9	36.4	41.8	24.9	15.4	6.4	27.3	22.7
Lithuania	638	56.7	20.1	11.5	76.8	56.7	10.0	1.7	55.3	58.0
Morocco	728	9.5	10.8	57.6	20.2	9.5	16.2	6.0	11.7	7.6
Netherlands	646	47.7	34.1	13.1	81.8	47.7	2.3	2.8	47.9	47.5
New Zealand	894	58.0	23.9	12.9	81.9	58.0	3.3	1.9	54.8	61.2
Northern Ireland	447	58.0	25.7	10.1	83.6	58.0	6.2	0.1	60.9	55.3
Norway	620	69.9	17.3	7.1	87.1	69.9	2.8	3.0	69.7	70.1
Oman	1313	49.5	12.7	29.3	62.1	49.5	7.0	1.6	53.1	45.8
Poland	671	77.2	3.3	13.5	80.5	77.2	5.4	0.5	79.8	74.2
Portugal	670	79.1	2.8	4.1	81.9	79.1	4.9	9.1	78.4	79.9
Qatar	752	43.0	16.2	26.5	59.2	43.0	9.4	4.9	42.7	43.3
Russian Federation	713	76.6	8.5	6.4	85.1	76.6	7.5	1.0	76.7	76.5
Saudi Arabia	608	38.3	12.5	33.4	50.8	38.3	10.4	5.4	42.4	34.6
Serbia	570	41.2	14.5	17.2	55.7	41.2	23.0	4.2	39.4	42.7
Singapore	932	43.7	33.1	20.3	76.8	43.7	2.5	0.3	43.0	44.3
Slovak Republic	836	73.9	7.0	7.8	81.0	73.9	8.6	2.6	73.1	74.7
Slovenia	639	54.6	18.0	16.7	72.6	54.6	6.8	3.9	53.5	55.7
Spain	1098	71.5	8.3	9.0	79.8	71.5	6.2	5.1	69.7	73.2
Sweden	595	62.1	20.4	7.8	82.4	62.1	5.6	4.2	60.6	63.7
Turkey	923	27.6	20.6	43.5	48.2	27.6	7.0	1.2	28.0	27.2
United Arab Emirates	3023	57.8	10.3	22.6	68.2	57.8	6.9	2.4	57.2	58.6
United States	1433	68.1	16.8	8.3	84.9	68.1	1.9	5.0	66.1	70.2
International Avg (n=47)	36144	55.4	17.5	16.4	72.9	55.4	7.3	3.5	54.8	56.0
Buenos Aires, Argentina	442	42.5	11.2	6.5	53.7	42.5	28.8	11.0	40.3	44.5
Ontario, Canada	645	54.4	24.7	9.6	79.2	54.4	5.0	6.3	51.9	57.2
Quebec, Canada	388	74.2	12.7	8.1	86.9	74.2	2.3	2.7	71.4	76.8
Norway (4)	589	64.1	16.3	5.6	80.4	64.1	6.4	7.6	64.0	64.2
Abu Dhabi, UAE	710	43.8	9.6	34.6	53.4	43.8	8.3	3.7	42.0	45.4
Dubai, UAE	1074	71.9	12.0	12.5	83.9	71.9	2.9	0.7	70.6	73.1
Florida, US	292	65.7	18.7	10.2	84.4	65.7	1.0	4.4	66.6	64.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S05_12 (S041113): Earth Science / Reasoning Type: CR 1 Point
Label: Why shadows changed

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	867	46.0	49.6	46.0	1.6	2.7	49.1	43.3
Bahrain	586	39.1	51.8	39.1	3.3	5.7	44.4	33.2
Belgium (Flemish)	761	54.0	40.7	54.0	3.3	2.0	49.7	57.9
Bulgaria	599	37.5	47.1	37.5	9.7	5.7	40.8	34.4
Canada	1726	38.1	53.0	38.1	3.3	5.6	40.0	36.3
Chile	676	31.1	55.4	31.1	4.8	8.7	27.7	34.6
Chinese Taipei	612	45.6	51.0	45.6	1.4	2.0	46.2	45.1
Croatia	569	42.7	54.0	42.7	1.3	2.0	40.2	45.0
Cyprus	582	41.7	41.6	41.7	5.9	10.8	42.4	41.2
Czech Republic	740	30.6	56.1	30.6	5.8	7.5	28.7	32.5
Denmark	528	44.1	44.1	44.1	2.6	9.1	37.4	51.2
England	578	25.0	71.3	25.0	1.3	2.5	26.4	23.4
Finland	716	57.5	35.9	57.5	2.1	4.6	59.2	55.9
France	698	50.2	35.2	50.2	6.3	8.3	50.5	49.8
Georgia	552	30.5	49.4	30.5	12.5	7.6	29.1	31.9
Germany	556	40.1	48.1	40.1	5.6	6.2	35.7	44.1
Hong Kong SAR	507	59.3	36.9	59.3	2.1	1.7	61.0	57.8
Hungary	716	38.6	52.2	38.6	4.4	4.7	33.9	43.3
Indonesia	564	26.0	63.9	26.0	6.7	3.4	21.9	30.2
Iran, Islamic Rep. of	538	19.0	58.1	19.0	10.9	12.0	15.7	22.2
Ireland	620	36.8	59.1	36.8	1.1	3.0	36.9	36.7
Italy	618	29.4	61.7	29.4	3.8	5.2	30.6	28.3
Japan	629	89.0	8.0	89.0	0.9	2.1	90.3	87.8
Kazakhstan	672	70.0	24.6	70.0	3.3	2.2	72.1	68.0
Korea, Rep. of	674	67.3	32.2	67.3	0.5	0.1	66.0	68.4
Kuwait	508	14.3	63.1	14.3	12.9	9.7	16.2	12.5
Lithuania	638	39.5	54.7	39.5	2.9	2.9	37.0	41.8
Morocco	727	17.6	60.5	17.6	13.2	8.7	17.8	17.5
Netherlands	641	41.5	52.7	41.5	2.6	3.2	41.9	41.1
New Zealand	894	40.4	56.3	40.4	1.1	2.1	37.3	43.6
Northern Ireland	447	24.3	72.1	24.3	2.6	1.0	23.7	24.8
Norway	620	37.8	55.8	37.8	2.2	4.2	40.1	35.4
Oman	1313	30.7	59.4	30.7	7.1	2.8	33.8	27.5
Poland	671	34.2	61.5	34.2	3.4	1.0	33.9	34.6
Portugal	670	38.8	48.2	38.8	2.9	10.1	34.2	43.3
Qatar	752	28.4	59.3	28.4	5.0	7.3	30.4	26.3
Russian Federation	713	48.3	46.9	48.3	2.9	1.9	48.4	48.2
Saudi Arabia	608	22.2	56.8	22.2	12.4	8.7	27.2	17.7
Serbia	570	55.0	33.0	55.0	5.5	6.5	58.5	52.1
Singapore	932	67.3	31.8	67.3	0.3	0.6	69.7	65.1
Slovak Republic	836	35.6	55.8	35.6	4.2	4.3	33.8	37.4
Slovenia	639	58.6	34.5	58.6	2.4	4.5	52.1	65.3
Spain	1098	51.6	39.8	51.6	2.4	6.2	47.0	56.0
Sweden	595	43.4	46.5	43.4	4.4	5.7	49.6	37.7
Turkey	923	45.6	48.4	45.6	3.8	2.1	46.1	45.2
United Arab Emirates	3023	25.8	64.7	25.8	5.3	4.1	25.8	25.9
United States	1433	42.3	50.9	42.3	1.5	5.3	39.3	45.5
International Avg (n=47)	36135	41.1	49.7	41.1	4.4	4.9	40.8	41.4
Buenos Aires, Argentina	442	15.0	38.8	15.0	26.5	19.8	16.7	13.3
Ontario, Canada	645	34.4	55.8	34.4	2.0	7.8	37.3	31.7
Quebec, Canada	388	39.7	53.1	39.7	3.9	3.2	40.0	39.4
Norway (4)	589	24.6	60.8	24.6	4.9	9.8	26.2	23.1
Abu Dhabi, UAE	710	19.5	69.6	19.5	5.0	5.9	19.1	19.9
Dubai, UAE	1074	37.0	59.1	37.0	2.4	1.5	36.0	38.0
Florida, US	292	41.7	51.9	41.7	1.3	5.1	38.8	44.9

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S06_01 (S051185): Life Science / Knowing Type: MC Key: C
Label: Water in tray and mosquitoes

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	57.2	20.0	13.6	57.2	6.6	2.1	0.5	54.9	59.3
Bahrain	586	31.0	23.8	30.1	31.0	13.4	1.3	0.4	34.9	27.1
Belgium (Flemish)	761	55.6	11.1	23.8	55.6	9.0	0.6	0.0	54.6	56.6
Bulgaria	594	49.2	23.6	16.2	49.2	6.7	3.9	0.4	51.0	47.7
Canada	1754	52.0	18.9	21.0	52.0	6.9	1.2	0.1	50.4	53.3
Chile	680	39.2	22.1	27.3	39.2	7.6	2.5	1.2	37.1	41.5
Chinese Taipei	617	87.5	1.7	8.7	87.5	2.1	0.1	0.0	87.2	87.8
Croatia	560	51.9	19.7	18.9	51.9	8.8	0.7	0.1	52.9	50.8
Cyprus	589	28.4	24.3	33.3	28.4	12.0	1.7	0.3	28.3	28.5
Czech Republic	742	63.4	14.9	16.3	63.4	4.6	0.8	0.0	65.2	61.4
Denmark	525	62.6	12.0	17.3	62.6	6.0	1.4	0.7	63.2	62.0
England	577	56.0	15.4	17.7	56.0	9.7	1.2	0.0	55.5	56.4
Finland	723	75.4	8.3	10.2	75.4	3.4	2.4	0.3	79.8	71.3
France	701	43.6	24.4	23.5	43.6	7.3	1.1	0.2	46.3	41.0
Georgia	556	28.2	24.2	32.1	28.2	13.0	2.3	0.1	27.3	29.1
Germany	563	62.9	10.9	17.6	62.9	5.6	3.0	0.0	61.2	64.4
Hong Kong SAR	516	79.4	1.4	10.4	79.4	8.8	0.0	0.0	77.8	80.8
Hungary	717	69.3	13.5	9.3	69.3	6.1	1.7	0.1	69.4	69.1
Indonesia	564	64.2	12.1	9.8	64.2	13.1	0.7	0.2	61.0	67.1
Iran, Islamic Rep. of	541	26.7	23.3	29.8	26.7	11.6	6.3	2.2	26.0	27.7
Ireland	622	56.1	14.4	20.3	56.1	8.6	0.4	0.2	59.9	52.8
Italy	608	48.2	24.6	16.2	48.2	8.9	2.0	0.1	45.7	50.4
Japan	622	68.0	13.7	14.0	68.0	3.5	0.7	0.1	67.5	68.4
Kazakhstan	664	44.6	16.8	24.3	44.6	13.2	1.1	0.0	39.6	49.2
Korea, Rep. of	673	80.1	8.1	8.9	80.1	2.7	0.2	0.0	75.7	84.3
Kuwait	503	18.2	34.4	28.5	18.2	9.8	7.5	1.6	19.0	17.3
Lithuania	638	52.1	18.0	24.4	52.1	4.5	0.9	0.0	52.8	51.5
Morocco	715	26.1	27.3	32.1	26.1	10.6	3.6	0.3	24.4	27.6
Netherlands	635	65.0	11.8	16.5	65.0	5.4	1.0	0.3	65.7	64.4
New Zealand	896	53.4	18.6	18.1	53.4	9.0	1.0	0.0	54.1	52.7
Northern Ireland	442	50.2	20.3	19.2	50.2	9.2	1.0	0.0	48.9	51.5
Norway	617	61.0	10.5	23.1	61.0	5.0	0.2	0.1	66.9	55.4
Oman	1305	27.4	29.5	30.8	27.4	10.2	1.9	0.3	26.1	28.6
Poland	672	56.6	12.8	17.2	56.6	12.0	1.4	0.0	58.4	54.9
Portugal	670	27.5	22.7	40.8	27.5	8.1	0.9	0.0	25.4	30.0
Qatar	740	33.3	24.3	29.7	33.3	10.4	1.8	0.5	31.9	34.8
Russian Federation	710	69.5	8.7	16.9	69.5	4.0	0.9	0.0	71.5	67.7
Saudi Arabia	596	21.2	29.0	36.9	21.2	9.3	2.4	1.1	20.6	21.8
Serbia	566	46.4	20.9	23.7	46.4	6.9	1.9	0.2	40.5	51.5
Singapore	931	96.7	1.2	0.9	96.7	1.1	0.2	0.0	96.4	96.9
Slovak Republic	838	56.8	13.9	21.4	56.8	7.0	0.8	0.0	58.0	55.8
Slovenia	635	49.9	17.5	22.2	49.9	9.5	0.8	0.1	46.6	53.4
Spain	1101	37.7	19.8	29.9	37.7	10.6	1.9	0.0	35.4	40.0
Sweden	586	53.2	13.4	24.3	53.2	3.5	5.6	0.1	57.5	48.5
Turkey	918	34.0	25.2	29.7	34.0	9.9	1.1	0.1	34.4	33.6
United Arab Emirates	3031	38.1	22.3	25.0	38.1	11.3	3.0	0.2	36.8	39.4
United States	1425	52.4	19.8	19.1	52.4	7.5	1.0	0.2	50.9	54.0
International Avg (n=47)	36094	51.2	17.6	21.3	51.2	8.0	1.7	0.3	51.0	51.5
Buenos Aires, Argentina	454	33.3	13.4	30.0	33.3	7.7	9.9	5.7	33.5	33.0
Ontario, Canada	657	52.9	19.8	19.3	52.9	6.7	1.2	0.1	53.9	51.8
Quebec, Canada	398	49.5	18.3	24.2	49.5	7.3	0.7	0.0	42.4	56.1
Norway (4)	599	58.2	11.6	23.3	58.2	5.8	0.6	0.4	56.6	59.7
Abu Dhabi, UAE	716	30.6	25.4	28.4	30.6	12.4	2.9	0.3	29.3	31.6
Dubai, UAE	1068	51.7	17.2	19.6	51.7	10.0	1.5	0.0	52.7	50.8
Florida, US	289	57.5	20.7	14.3	57.5	6.5	1.0	0.0	56.9	58.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S06_02 (S051048): Life Science / Knowing Type: CR 2 Points
Label: Ways pollen is spread

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	35.2	41.9	15.4	77.1	35.2	7.0	0.5	37.3	33.2
Bahrain	586	17.5	29.1	36.4	46.7	17.5	16.5	0.4	18.5	16.6
Belgium (Flemish)	761	34.3	35.0	19.9	69.4	34.3	10.8	0.0	35.1	33.5
Bulgaria	594	51.5	24.1	9.9	75.6	51.5	13.5	1.0	52.9	50.3
Canada	1756	36.0	41.7	14.8	77.6	36.0	7.2	0.3	37.1	34.8
Chile	680	26.2	39.4	17.0	65.6	26.2	15.9	1.5	25.0	27.4
Chinese Taipei	617	27.6	48.0	9.5	75.6	27.6	14.9	0.0	24.7	30.3
Croatia	560	38.7	36.8	9.6	75.6	38.7	14.7	0.1	40.8	36.6
Cyprus	589	21.8	35.5	17.4	57.4	21.8	24.3	0.9	17.8	25.7
Czech Republic	742	48.7	36.5	5.0	85.2	48.7	9.7	0.0	49.8	47.4
Denmark	525	25.9	37.4	20.3	63.4	25.9	15.1	1.3	19.6	31.6
England	577	31.4	46.4	16.6	77.8	31.4	5.3	0.2	31.0	31.9
Finland	723	58.3	30.5	5.8	88.8	58.3	5.1	0.3	64.4	52.8
France	701	27.0	30.8	17.8	57.9	27.0	23.8	0.5	27.4	26.6
Georgia	556	38.4	27.4	14.7	65.8	38.4	19.4	0.1	36.0	40.8
Germany	563	25.1	33.8	17.3	58.9	25.1	23.9	0.0	25.4	24.8
Hong Kong SAR	516	31.8	39.8	20.3	71.6	31.8	8.1	0.0	29.7	33.7
Hungary	717	61.0	22.7	8.2	83.7	61.0	8.0	0.1	63.1	59.0
Indonesia	564	5.7	12.7	70.6	18.4	5.7	10.8	0.2	3.3	7.9
Iran, Islamic Rep. of	541	7.7	11.2	31.8	18.9	7.7	45.3	4.1	8.5	6.7
Ireland	622	32.3	44.5	16.6	76.8	32.3	6.4	0.2	30.8	33.6
Italy	606	53.0	21.9	10.4	74.9	53.0	14.6	0.1	54.0	52.1
Japan	622	31.1	31.5	23.1	62.6	31.1	14.0	0.3	30.9	31.3
Kazakhstan	664	35.6	30.3	24.8	65.9	35.6	9.1	0.2	34.3	36.7
Korea, Rep. of	673	43.7	36.4	16.8	80.1	43.7	3.1	0.0	43.5	44.0
Kuwait	503	13.2	14.8	30.3	27.9	13.2	40.2	1.6	12.9	13.4
Lithuania	638	43.8	25.2	13.0	69.0	43.8	18.0	0.0	43.2	44.4
Morocco	721	17.9	14.0	41.4	31.9	17.9	25.8	0.9	15.2	20.3
Netherlands	635	34.5	32.5	23.5	67.0	34.5	9.1	0.3	32.9	36.1
New Zealand	896	37.3	38.0	18.6	75.2	37.3	6.0	0.1	37.0	37.6
Northern Ireland	445	30.6	38.3	22.1	68.9	30.6	9.0	0.0	31.7	29.6
Norway	617	42.4	33.5	16.4	75.9	42.4	7.7	0.1	46.6	38.5
Oman	1307	20.0	22.0	40.6	42.0	20.0	17.0	0.4	21.6	18.4
Poland	672	41.5	33.3	9.7	74.8	41.5	15.5	0.0	39.2	43.7
Portugal	670	34.2	38.1	14.7	72.3	34.2	13.0	0.0	32.7	35.9
Qatar	740	22.8	27.3	29.6	50.1	22.8	19.7	0.6	22.8	22.9
Russian Federation	710	52.9	31.5	9.8	84.4	52.9	5.6	0.2	51.4	54.2
Saudi Arabia	602	20.1	21.3	29.9	41.5	20.1	27.3	1.3	27.7	13.3
Serbia	566	39.2	26.5	11.2	65.6	39.2	22.9	0.2	34.0	43.6
Singapore	931	27.4	39.7	27.6	67.1	27.4	5.3	0.0	29.1	25.8
Slovak Republic	838	40.5	32.1	9.8	72.6	40.5	17.6	0.0	40.9	40.1
Slovenia	635	55.0	28.8	6.1	83.8	55.0	9.9	0.3	58.4	51.5
Spain	1101	44.7	30.1	11.9	74.9	44.7	13.3	0.0	42.6	46.8
Sweden	587	40.0	36.5	14.1	76.5	40.0	9.2	0.1	45.6	34.8
Turkey	918	23.2	31.8	30.8	55.0	23.2	14.1	0.1	22.9	23.4
United Arab Emirates	3031	22.8	24.8	32.9	47.6	22.8	19.0	0.5	26.4	19.6
United States	1425	44.1	41.4	11.9	85.4	44.1	2.3	0.4	46.4	41.6
International Avg (n=47)	36112	33.9	31.6	19.7	65.5	33.9	14.3	0.4	34.1	33.7
Buenos Aires, Argentina	454	15.7	16.4	13.5	32.1	15.7	48.1	6.3	13.3	18.1
Ontario, Canada	658	37.2	42.2	15.4	79.4	37.2	4.7	0.5	37.2	37.3
Quebec, Canada	398	36.6	43.3	12.0	79.9	36.6	8.0	0.1	35.4	37.7
Norway (4)	599	32.7	33.2	17.6	65.9	32.7	16.0	0.4	33.8	31.6
Abu Dhabi, UAE	716	14.8	25.2	37.9	40.0	14.8	21.4	0.7	15.0	14.6
Dubai, UAE	1068	37.3	29.7	22.3	66.9	37.3	10.7	0.0	42.5	32.1
Florida, US	289	38.9	46.1	12.3	85.0	38.9	2.4	0.3	38.3	39.5

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S06_03 (S051164): Life Science / Applying Type: CR 1 Point
Label: Why frogs lay more eggs than birds

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	20.9	73.6	20.9	4.9	0.6	22.7	19.1
Bahrain	584	21.0	63.6	21.0	14.2	1.2	26.3	15.5
Belgium (Flemish)	761	5.9	83.3	5.9	10.8	0.0	6.7	5.1
Bulgaria	594	35.7	39.8	35.7	23.3	1.2	37.4	34.3
Canada	1756	16.1	75.8	16.1	7.7	0.3	16.4	15.9
Chile	681	8.1	71.0	8.1	19.2	1.7	6.5	9.9
Chinese Taipei	617	11.9	73.7	11.9	14.3	0.0	11.8	12.1
Croatia	560	9.3	72.8	9.3	17.8	0.1	6.9	11.7
Cyprus	589	4.1	69.7	4.1	24.6	1.6	4.1	4.2
Czech Republic	742	8.7	65.7	8.7	25.6	0.0	8.4	9.1
Denmark	525	9.9	79.3	9.9	8.9	2.0	9.8	9.9
England	577	5.3	86.5	5.3	8.0	0.2	5.0	5.7
Finland	723	20.2	67.3	20.2	12.1	0.3	22.8	17.9
France	701	9.7	67.4	9.7	22.3	0.7	9.8	9.6
Georgia	556	18.6	63.4	18.6	17.8	0.2	19.0	18.2
Germany	563	20.5	56.1	20.5	23.4	0.0	20.4	20.7
Hong Kong SAR	516	18.6	71.3	18.6	10.0	0.0	16.4	20.7
Hungary	717	9.4	75.9	9.4	14.5	0.1	10.8	8.1
Indonesia	564	1.0	88.0	1.0	10.5	0.5	1.7	0.4
Iran, Islamic Rep. of	541	3.3	60.8	3.3	31.5	4.5	3.7	2.9
Ireland	622	11.2	83.5	11.2	5.1	0.2	12.1	10.3
Italy	608	18.1	62.3	18.1	19.1	0.4	18.8	17.5
Japan	622	21.4	71.7	21.4	6.6	0.3	22.9	20.1
Kazakhstan	664	26.4	64.5	26.4	8.8	0.3	26.2	26.5
Korea, Rep. of	673	43.9	52.9	43.9	3.2	0.0	40.7	47.0
Kuwait	504	3.9	44.3	3.9	49.5	2.2	4.4	3.5
Lithuania	638	8.1	74.0	8.1	18.0	0.0	7.7	8.5
Morocco	723	8.4	65.1	8.4	25.4	1.1	11.2	5.8
Netherlands	640	23.4	69.3	23.4	6.8	0.5	21.2	25.6
New Zealand	896	11.6	82.3	11.6	5.9	0.2	12.2	11.1
Northern Ireland	445	8.6	84.2	8.6	7.2	0.0	7.2	10.0
Norway	617	11.1	78.9	11.1	9.9	0.1	14.0	8.4
Oman	1304	10.6	74.8	10.6	14.2	0.4	11.5	9.8
Poland	672	8.4	71.1	8.4	20.5	0.0	9.0	8.0
Portugal	670	5.9	80.9	5.9	13.1	0.0	4.5	7.6
Qatar	740	14.5	65.8	14.5	18.7	1.0	16.5	12.4
Russian Federation	710	31.6	58.2	31.6	10.0	0.2	33.8	29.6
Saudi Arabia	602	3.0	62.5	3.0	33.0	1.5	4.5	1.7
Serbia	566	17.3	55.7	17.3	26.7	0.3	13.7	20.4
Singapore	931	44.0	53.9	44.0	2.1	0.0	46.5	41.7
Slovak Republic	838	6.2	69.6	6.2	23.9	0.2	5.6	6.8
Slovenia	635	9.2	71.1	9.2	19.4	0.3	7.2	11.3
Spain	1101	12.4	71.1	12.4	16.2	0.4	10.8	13.9
Sweden	586	22.9	63.2	22.9	13.4	0.5	24.3	20.9
Turkey	918	4.9	79.8	4.9	15.2	0.1	5.0	4.8
United Arab Emirates	3031	10.8	69.3	10.8	19.3	0.6	11.2	10.5
United States	1425	23.0	73.8	23.0	2.8	0.4	22.5	23.5
International Avg (n=47)	36117	14.5	69.3	14.5	15.6	0.6	14.7	14.2
Buenos Aires, Argentina	454	2.2	43.2	2.2	47.7	7.0	2.8	1.5
Ontario, Canada	658	17.1	75.9	17.1	6.5	0.5	16.9	17.3
Quebec, Canada	398	17.0	73.6	17.0	9.3	0.1	19.0	15.2
Norway (4)	599	9.3	71.7	9.3	18.4	0.6	8.1	10.5
Abu Dhabi, UAE	716	6.8	72.4	6.8	20.0	0.8	6.4	7.1
Dubai, UAE	1068	19.7	68.9	19.7	11.2	0.2	20.2	19.2
Florida, US	289	21.9	74.3	21.9	3.5	0.3	25.0	18.5

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S06_04 (S051186): Life Science / Applying Type: CR 1 Point
Label: Write in names in food chain

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	75.1	21.6	75.1	2.4	0.9	75.6	74.7
Bahrain	584	79.6	17.3	79.6	1.9	1.3	81.1	78.0
Belgium (Flemish)	761	75.6	22.8	75.6	1.6	0.0	73.2	78.0
Bulgaria	594	85.1	10.5	85.1	3.2	1.2	84.3	85.8
Canada	1756	77.6	19.3	77.6	2.4	0.8	75.8	79.1
Chile	681	66.2	25.7	66.2	5.4	2.6	64.5	68.0
Chinese Taipei	617	73.6	23.0	73.6	3.4	0.0	68.5	78.4
Croatia	560	70.3	27.3	70.3	2.3	0.2	69.7	70.9
Cyprus	589	67.5	26.3	67.5	4.1	2.1	65.3	69.7
Czech Republic	742	77.3	18.4	77.3	4.2	0.1	75.8	79.0
Denmark	525	74.9	18.3	74.9	4.3	2.5	71.8	77.7
England	577	76.0	22.1	76.0	1.7	0.2	76.0	76.0
Finland	723	78.6	17.1	78.6	4.0	0.3	84.4	73.3
France	701	66.6	28.3	66.6	4.1	0.9	70.9	62.8
Georgia	556	48.9	40.0	48.9	11.0	0.2	47.4	50.3
Germany	563	73.1	20.6	73.1	5.9	0.3	70.0	75.9
Hong Kong SAR	516	86.0	12.2	86.0	1.8	0.0	84.8	87.1
Hungary	717	88.4	10.3	88.4	1.0	0.3	87.1	89.5
Indonesia	564	44.0	47.6	44.0	8.0	0.5	38.5	49.0
Iran, Islamic Rep. of	541	35.0	48.3	35.0	11.6	5.1	33.3	37.0
Ireland	622	67.4	31.6	67.4	0.9	0.2	67.2	67.5
Italy	606	78.8	18.0	78.8	2.8	0.4	77.8	79.8
Japan	622	86.4	12.3	86.4	1.0	0.3	84.8	87.9
Kazakhstan	664	63.8	30.9	63.8	4.9	0.3	62.3	65.2
Korea, Rep. of	673	91.5	8.0	91.5	0.5	0.0	87.1	95.6
Kuwait	504	51.3	36.8	51.3	9.3	2.6	54.8	47.6
Lithuania	638	82.3	15.4	82.3	2.3	0.0	83.8	80.8
Morocco	725	49.1	44.4	49.1	5.4	1.2	44.8	52.9
Netherlands	640	73.8	22.4	73.8	3.2	0.6	74.0	73.5
New Zealand	896	64.8	31.4	64.8	3.4	0.5	59.5	69.6
Northern Ireland	445	63.0	35.2	63.0	1.8	0.0	65.8	60.3
Norway	617	71.1	26.7	71.1	2.0	0.3	69.8	72.2
Oman	1306	73.1	23.3	73.1	3.1	0.6	75.9	70.3
Poland	672	87.9	11.4	87.9	0.6	0.0	89.3	86.7
Portugal	670	82.5	16.7	82.5	0.7	0.0	79.8	85.8
Qatar	740	57.7	37.0	57.7	4.1	1.2	60.5	54.6
Russian Federation	710	89.1	9.4	89.1	1.3	0.2	88.5	89.6
Saudi Arabia	600	51.4	40.6	51.4	6.5	1.5	63.9	40.0
Serbia	566	78.8	17.4	78.8	3.5	0.3	77.2	80.2
Singapore	931	78.2	20.9	78.2	0.8	0.0	76.4	80.0
Slovak Republic	838	68.0	28.1	68.0	3.6	0.3	63.8	72.0
Slovenia	635	82.4	15.7	82.4	1.6	0.3	84.9	79.8
Spain	1101	74.7	22.0	74.7	2.9	0.4	73.8	75.5
Sweden	587	82.5	13.5	82.5	3.3	0.7	85.5	79.5
Turkey	918	54.0	42.0	54.0	3.8	0.2	51.5	56.6
United Arab Emirates	3031	65.9	30.0	65.9	3.5	0.7	65.2	66.5
United States	1425	79.2	18.1	79.2	2.3	0.5	77.7	80.7
International Avg (n=47)	36118	71.7	24.2	71.7	3.5	0.7	71.1	72.1
Buenos Aires, Argentina	454	41.4	28.5	41.4	22.9	7.2	37.2	45.6
Ontario, Canada	658	81.5	15.2	81.5	2.3	1.0	80.4	82.5
Quebec, Canada	398	76.2	21.6	76.2	1.4	0.8	72.4	79.7
Norway (4)	599	64.1	31.9	64.1	3.0	1.1	65.4	62.7
Abu Dhabi, UAE	716	58.7	36.3	58.7	4.1	0.9	56.0	60.9
Dubai, UAE	1068	81.6	16.4	81.6	1.7	0.3	83.4	79.8
Florida, US	289	83.4	15.7	83.4	0.6	0.3	82.5	84.3

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S06_05 (S051137): Life Science / Applying Type: MC Key: D
Label: Why wash hands before eating

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	70.4	6.9	4.6	14.1	70.4	3.1	1.0	73.8	67.2
Bahrain	584	65.7	8.0	8.2	15.2	65.7	1.7	1.3	77.2	53.9
Belgium (Flemish)	761	66.6	13.1	5.2	13.5	66.6	1.3	0.2	65.9	67.4
Bulgaria	594	89.1	1.1	4.0	3.2	89.1	1.5	1.2	90.8	87.7
Canada	1748	65.5	10.6	7.8	13.5	65.5	1.4	1.1	68.3	62.9
Chile	681	82.8	3.9	4.7	3.8	82.8	1.7	3.2	82.6	83.0
Chinese Taipei	617	88.6	7.0	0.9	2.6	88.6	0.9	0.0	88.6	88.7
Croatia	560	85.5	4.3	3.8	4.7	85.5	1.6	0.2	86.6	84.4
Cyprus	589	62.0	5.3	14.0	13.7	62.0	2.5	2.4	61.0	62.9
Czech Republic	742	86.2	8.5	2.4	2.3	86.2	0.5	0.1	89.2	82.7
Denmark	525	89.9	0.6	1.4	3.7	89.9	0.9	3.6	88.4	91.3
England	577	85.6	2.6	3.4	7.1	85.6	0.6	0.5	87.7	83.5
Finland	723	87.0	4.0	4.1	2.7	87.0	1.2	0.9	89.9	84.3
France	701	61.3	10.4	17.5	7.3	61.3	2.4	1.0	60.0	62.4
Georgia	556	73.5	15.6	4.1	5.4	73.5	1.0	0.3	74.2	72.9
Germany	563	87.4	3.0	3.1	3.6	87.4	2.4	0.5	89.6	85.5
Hong Kong SAR	516	94.9	0.5	1.5	2.0	94.9	0.2	0.9	95.2	94.7
Hungary	717	83.5	5.7	3.6	5.2	83.5	1.6	0.4	82.7	84.4
Indonesia	564	56.9	17.0	11.2	12.1	56.9	1.8	0.9	59.0	55.0
Iran, Islamic Rep. of	541	65.2	6.3	7.5	12.0	65.2	3.3	5.7	69.2	60.4
Ireland	622	76.3	4.9	5.4	12.6	76.3	0.6	0.2	80.7	72.6
Italy	608	71.5	6.5	14.7	5.8	71.5	1.0	0.6	75.1	68.3
Japan	622	91.8	3.4	2.0	2.0	91.8	0.1	0.6	91.5	92.2
Kazakhstan	664	84.1	4.1	5.6	5.1	84.1	0.6	0.5	86.1	82.3
Korea, Rep. of	673	94.4	1.0	3.2	1.2	94.4	0.1	0.1	96.0	92.9
Kuwait	504	37.3	17.1	17.9	17.1	37.3	8.1	2.6	43.5	30.8
Lithuania	638	85.9	3.0	2.4	8.1	85.9	0.6	0.0	87.8	84.0
Morocco	721	48.8	7.5	18.5	20.7	48.8	3.3	1.2	50.9	46.9
Netherlands	640	81.6	6.7	3.8	5.1	81.6	1.3	1.4	82.0	81.3
New Zealand	896	75.0	5.4	3.8	13.1	75.0	2.0	0.7	79.4	71.0
Northern Ireland	440	79.3	3.7	4.5	11.9	79.3	0.6	0.0	83.0	75.6
Norway	617	88.6	3.7	2.1	4.4	88.6	0.6	0.6	91.0	86.4
Oman	1306	59.0	11.0	12.4	15.3	59.0	1.8	0.6	65.1	52.9
Poland	672	89.5	3.1	3.6	2.8	89.5	1.0	0.0	93.1	86.0
Portugal	670	75.8	8.9	4.5	8.8	75.8	1.9	0.1	79.6	71.4
Qatar	740	64.0	8.9	8.7	14.8	64.0	2.1	1.5	71.5	55.9
Russian Federation	710	91.7	1.3	3.3	2.4	91.7	1.2	0.2	92.2	91.3
Saudi Arabia	598	57.2	10.4	12.5	15.2	57.2	3.1	1.5	68.1	47.3
Serbia	566	84.4	5.5	2.3	5.7	84.4	1.8	0.3	88.0	81.3
Singapore	931	89.1	2.6	2.3	5.4	89.1	0.5	0.0	90.8	87.6
Slovak Republic	838	78.0	6.3	5.9	7.9	78.0	1.6	0.3	78.7	77.3
Slovenia	635	78.4	4.3	3.8	10.0	78.4	3.1	0.4	81.1	75.5
Spain	1101	84.1	2.6	6.6	5.1	84.1	1.3	0.4	83.5	84.7
Sweden	587	76.0	8.3	6.4	4.8	76.0	3.5	0.9	76.1	75.9
Turkey	918	68.4	6.2	14.1	10.2	68.4	1.0	0.2	67.1	69.7
United Arab Emirates	3030	63.8	9.8	9.6	13.6	63.8	2.5	0.7	68.1	59.9
United States	1425	62.9	12.0	6.9	15.5	62.9	1.7	1.1	64.1	61.7
International Avg (n=47)	36100	76.3	6.4	6.4	8.3	76.3	1.7	0.9	78.6	74.0
Buenos Aires, Argentina	454	57.4	4.7	7.1	9.8	57.4	13.2	7.7	58.8	56.1
Ontario, Canada	656	70.1	6.8	5.3	15.4	70.1	1.0	1.4	75.9	65.1
Quebec, Canada	398	57.4	17.9	13.5	9.9	57.4	0.5	0.8	54.7	59.9
Norway (4)	599	82.2	6.2	3.0	5.1	82.2	2.2	1.3	83.7	80.6
Abu Dhabi, UAE	716	53.1	12.3	13.4	17.2	53.1	3.1	0.9	55.8	51.0
Dubai, UAE	1067	73.7	5.9	5.8	12.6	73.7	1.8	0.3	79.8	67.7
Florida, US	289	61.9	11.1	5.6	19.7	61.9	1.4	0.3	62.7	60.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S06_06 (S051007): Life Science / Applying Type: CR 1 Point
Label: Importance of spiders

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	65.0	28.8	65.0	4.9	1.3	63.1	66.7
Bahrain	586	35.9	50.4	35.9	12.4	1.3	41.1	30.7
Belgium (Flemish)	761	65.2	30.1	65.2	4.5	0.2	63.6	66.9
Bulgaria	594	59.9	21.3	59.9	17.4	1.4	60.5	59.4
Canada	1756	63.0	31.4	63.0	4.6	1.1	63.8	62.2
Chile	681	46.0	37.4	46.0	13.4	3.2	44.1	48.0
Chinese Taipei	617	63.2	28.2	63.2	8.6	0.0	61.7	64.6
Croatia	560	62.4	28.1	62.4	9.3	0.2	61.0	63.9
Cyprus	589	52.1	28.0	52.1	17.0	2.9	49.0	55.0
Czech Republic	742	70.5	20.4	70.5	8.9	0.1	71.1	69.9
Denmark	525	56.5	31.9	56.5	7.7	4.0	56.4	56.5
England	577	45.4	49.4	45.4	4.7	0.5	47.1	43.6
Finland	723	62.4	29.4	62.4	7.2	0.9	63.3	61.6
France	701	52.4	31.1	52.4	15.3	1.2	54.4	50.4
Georgia	556	43.8	35.8	43.8	19.7	0.7	45.8	41.9
Germany	563	62.0	21.1	62.0	16.0	0.9	62.8	61.3
Hong Kong SAR	516	62.5	28.8	62.5	7.8	0.9	62.4	62.6
Hungary	717	80.5	11.9	80.5	7.2	0.4	79.0	82.0
Indonesia	564	22.1	64.4	22.1	12.3	1.2	15.5	28.2
Iran, Islamic Rep. of	541	41.3	31.3	41.3	20.9	6.5	36.9	46.5
Ireland	622	56.5	38.8	56.5	4.3	0.3	56.0	57.0
Italy	607	59.5	25.3	59.5	14.6	0.6	59.6	59.4
Japan	622	63.0	32.2	63.0	4.1	0.6	60.9	65.0
Kazakhstan	664	70.7	22.7	70.7	6.1	0.5	69.5	71.8
Korea, Rep. of	673	70.8	27.1	70.8	2.1	0.1	71.7	69.8
Kuwait	504	15.0	40.6	15.0	41.1	3.2	12.7	17.5
Lithuania	638	68.5	25.2	68.5	6.4	0.0	64.5	72.3
Morocco	724	28.6	43.6	28.6	26.3	1.5	30.1	27.2
Netherlands	640	63.4	31.8	63.4	3.3	1.4	66.7	60.1
New Zealand	896	55.2	39.0	55.2	4.9	0.9	53.8	56.4
Northern Ireland	445	48.1	45.4	48.1	6.5	0.0	49.5	46.7
Norway	617	58.5	33.4	58.5	7.5	0.6	60.0	57.1
Oman	1306	24.9	60.1	24.9	14.3	0.7	25.0	24.8
Poland	672	73.9	15.9	73.9	10.2	0.0	72.5	75.2
Portugal	670	43.0	44.2	43.0	12.5	0.2	36.4	50.6
Qatar	740	27.1	53.3	27.1	17.9	1.7	25.4	28.9
Russian Federation	710	82.3	12.7	82.3	4.9	0.2	80.0	84.4
Saudi Arabia	600	26.2	44.0	26.2	27.8	1.9	33.6	19.5
Serbia	566	55.3	25.8	55.3	18.6	0.3	50.1	59.7
Singapore	931	72.9	24.8	72.9	2.1	0.2	73.1	72.8
Slovak Republic	838	71.6	18.5	71.6	9.6	0.3	71.1	72.1
Slovenia	635	64.7	23.8	64.7	11.0	0.5	64.3	65.2
Spain	1101	52.9	35.7	52.9	11.0	0.5	50.3	55.3
Sweden	587	53.5	32.4	53.5	13.0	1.2	56.0	51.6
Turkey	918	27.6	60.4	27.6	11.6	0.4	24.2	31.1
United Arab Emirates	3031	30.4	50.7	30.4	18.2	0.7	28.8	31.9
United States	1425	67.2	29.6	67.2	2.1	1.1	67.5	66.9
International Avg (n=47)	36120	54.1	33.5	54.1	11.3	1.0	53.5	54.7
Buenos Aires, Argentina	454	24.1	25.3	24.1	41.6	9.0	25.3	22.8
Ontario, Canada	658	58.5	36.2	58.5	3.8	1.4	59.2	57.8
Quebec, Canada	398	74.8	21.3	74.8	3.1	0.8	73.9	75.6
Norway (4)	599	47.5	37.0	47.5	13.8	1.6	43.3	51.8
Abu Dhabi, UAE	716	26.3	53.8	26.3	18.9	1.0	21.5	30.1
Dubai, UAE	1068	41.8	46.9	41.8	11.0	0.3	43.2	40.4
Florida, US	289	70.3	27.2	70.3	1.8	0.6	70.4	70.1

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S06_07 (S051087): Physical Science / Applying Type: MC Key: B
Label: Reason to build bridge of steel

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	80.5	3.3	80.5	3.7	8.0	3.0	1.5	79.8	81.2
Bahrain	586	55.4	12.9	55.4	9.7	18.3	1.9	1.8	58.4	52.3
Belgium (Flemish)	761	85.2	2.9	85.2	2.5	7.6	1.4	0.4	85.2	85.1
Bulgaria	594	79.4	5.0	79.4	2.7	10.3	1.2	1.4	80.0	78.9
Canada	1750	76.9	6.9	76.9	2.8	10.8	1.3	1.2	74.7	79.0
Chile	681	72.0	9.5	72.0	6.2	7.1	1.6	3.6	70.7	73.4
Chinese Taipei	617	90.5	2.7	90.5	4.5	1.7	0.6	0.0	89.7	91.2
Croatia	560	75.8	3.1	75.8	2.4	16.9	1.6	0.2	71.8	79.9
Cyprus	589	68.4	8.4	68.4	8.4	9.4	2.0	3.4	66.6	70.1
Czech Republic	742	86.1	2.8	86.1	2.6	6.5	1.9	0.1	84.0	88.6
Denmark	525	76.6	2.1	76.6	1.8	13.5	1.9	4.2	71.3	81.3
England	577	85.5	3.0	85.5	1.5	8.6	0.9	0.5	82.6	88.3
Finland	723	88.9	1.1	88.9	2.7	5.4	1.0	0.9	91.4	86.5
France	701	74.9	6.4	74.9	5.6	8.8	2.7	1.6	73.2	76.3
Georgia	556	64.5	8.8	64.5	8.9	13.7	3.1	1.0	63.3	65.6
Germany	563	84.4	2.7	84.4	3.1	4.5	4.4	0.9	83.5	85.2
Hong Kong SAR	516	87.2	3.4	87.2	4.5	3.5	0.4	1.1	85.5	88.7
Hungary	717	77.4	5.0	77.4	2.7	10.8	3.2	0.9	72.1	82.6
Indonesia	564	58.0	15.3	58.0	5.6	17.8	1.6	1.7	52.5	63.0
Iran, Islamic Rep. of	541	51.4	11.9	51.4	5.2	22.7	2.2	6.6	46.5	57.0
Ireland	622	84.8	4.8	84.8	1.1	8.2	0.5	0.6	84.6	84.9
Italy	608	85.6	3.7	85.6	3.6	4.4	1.8	0.9	84.9	86.3
Japan	622	84.9	3.9	84.9	2.7	4.7	2.9	0.8	84.0	85.8
Kazakhstan	664	67.5	8.2	67.5	6.7	16.1	1.0	0.5	64.4	70.4
Korea, Rep. of	673	94.0	0.7	94.0	1.5	2.8	0.7	0.4	94.2	93.7
Kuwait	504	39.2	21.0	39.2	14.6	12.4	9.4	3.5	44.2	34.0
Lithuania	638	87.5	2.2	87.5	2.7	5.7	1.5	0.2	83.4	91.6
Morocco	721	40.3	13.4	40.3	20.0	21.1	3.4	1.8	36.6	43.7
Netherlands	640	88.7	1.0	88.7	1.8	5.3	1.7	1.4	86.9	90.5
New Zealand	896	79.3	3.4	79.3	4.3	10.4	1.8	0.9	78.1	80.4
Northern Ireland	441	84.2	5.1	84.2	2.6	7.5	0.6	0.0	79.2	89.1
Norway	617	85.2	2.7	85.2	3.0	7.4	1.0	0.7	81.7	88.4
Oman	1303	53.2	12.9	53.2	12.3	18.4	2.4	0.8	52.7	53.7
Poland	672	84.0	4.5	84.0	3.0	6.4	2.1	0.0	80.6	87.3
Portugal	670	71.7	5.9	71.7	7.4	12.3	2.3	0.3	69.4	74.5
Qatar	740	55.8	11.2	55.8	9.1	19.7	2.2	2.0	59.1	52.2
Russian Federation	710	90.8	1.6	90.8	1.5	4.8	1.1	0.2	88.5	92.9
Saudi Arabia	599	45.5	17.0	45.5	13.4	17.0	4.7	2.4	48.0	43.2
Serbia	566	79.6	5.3	79.6	1.8	10.0	2.2	0.9	78.8	80.4
Singapore	931	84.6	3.2	84.6	5.6	5.6	0.7	0.3	86.0	83.2
Slovak Republic	838	80.2	6.8	80.2	4.6	6.7	1.3	0.4	74.6	85.4
Slovenia	635	76.1	7.9	76.1	3.6	10.6	1.0	0.9	74.2	78.1
Spain	1101	77.3	7.1	77.3	4.1	9.9	0.8	0.9	77.8	76.9
Sweden	587	80.6	4.3	80.6	2.2	9.6	2.2	1.2	79.4	82.2
Turkey	918	73.0	10.2	73.0	7.1	8.6	0.7	0.5	74.5	71.4
United Arab Emirates	3030	60.7	10.8	60.7	10.5	15.2	1.9	0.9	58.6	62.6
United States	1425	85.6	4.3	85.6	2.3	4.6	2.0	1.3	84.0	87.2
International Avg (n=47)	36103	75.3	6.4	75.3	5.1	10.0	2.0	1.2	73.9	76.7
Buenos Aires, Argentina	454	56.2	10.8	56.2	4.8	6.9	12.1	9.1	54.3	58.2
Ontario, Canada	655	81.5	4.4	81.5	2.1	9.4	1.1	1.5	80.8	82.3
Quebec, Canada	398	72.7	10.3	72.7	2.8	12.8	0.5	0.8	68.5	76.7
Norway (4)	599	79.7	3.8	79.7	3.4	8.7	1.9	2.5	75.1	84.3
Abu Dhabi, UAE	716	57.2	12.0	57.2	12.6	15.3	1.6	1.3	53.4	60.2
Dubai, UAE	1067	71.2	6.6	71.2	6.8	13.2	1.5	0.6	70.2	72.2
Florida, US	289	89.0	4.4	89.0	1.7	3.7	0.7	0.6	87.7	90.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent.

S06_08A (S051188A): Physical Science / Knowing Type: MC Key: B
Label: Energy used by people: concrete

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	80.2	12.0	80.2	5.8	2.0	76.9	83.3
Bahrain	586	65.4	22.6	65.4	10.2	1.8	71.4	59.3
Belgium (Flemish)	761	86.7	9.9	86.7	3.1	0.4	85.3	88.1
Bulgaria	594	83.2	7.5	83.2	7.9	1.4	83.7	82.8
Canada	1753	83.8	10.0	83.8	4.7	1.5	84.1	83.5
Chile	681	80.0	11.1	80.0	5.1	3.8	80.6	79.4
Chinese Taipei	617	79.2	18.2	79.2	2.6	0.0	80.3	78.1
Croatia	560	86.7	6.7	86.7	6.4	0.2	85.7	87.7
Cyprus	589	77.0	10.6	77.0	8.6	3.8	77.3	76.8
Czech Republic	742	88.9	6.4	88.9	4.6	0.1	87.1	91.0
Denmark	525	83.3	6.9	83.3	5.6	4.2	78.9	87.2
England	577	81.1	12.2	81.1	6.2	0.5	82.5	79.7
Finland	723	92.1	4.4	92.1	2.5	0.9	92.0	92.3
France	701	80.5	12.7	80.5	4.8	2.0	81.0	80.0
Georgia	556	57.6	14.6	57.6	26.7	1.1	56.5	58.7
Germany	563	84.6	7.7	84.6	6.8	0.9	85.0	84.3
Hong Kong SAR	516	88.2	10.3	88.2	0.4	1.1	84.6	91.4
Hungary	717	86.6	7.8	86.6	4.4	1.3	84.6	88.5
Indonesia	564	63.0	9.2	63.0	26.0	1.7	63.3	62.8
Iran, Islamic Rep. of	541	62.0	9.3	62.0	21.8	6.9	65.4	57.9
Ireland	622	85.6	8.4	85.6	5.3	0.7	84.5	86.5
Italy	608	85.5	7.2	85.5	6.2	1.0	86.5	84.6
Japan	622	87.3	8.8	87.3	3.1	0.8	86.1	88.4
Kazakhstan	663	80.6	9.6	80.6	9.2	0.5	80.5	80.8
Korea, Rep. of	673	83.4	14.8	83.4	1.4	0.4	79.9	86.7
Kuwait	503	41.7	36.6	41.7	18.1	3.6	49.1	33.9
Lithuania	638	90.3	5.1	90.3	4.3	0.3	91.9	88.8
Morocco	722	46.9	22.5	46.9	28.9	1.8	41.0	52.2
Netherlands	640	84.5	10.9	84.5	2.9	1.7	83.7	85.3
New Zealand	896	74.7	14.4	74.7	9.9	1.0	74.9	74.4
Northern Ireland	416	86.0	14.0	86.0	0.0	0.0	85.5	86.5
Norway	617	82.0	11.5	82.0	5.8	0.7	82.9	81.1
Oman	1300	68.4	17.4	68.4	13.2	1.1	69.7	67.0
Poland	672	93.0	3.9	93.0	3.0	0.1	95.1	91.0
Portugal	670	86.6	9.3	86.6	3.2	0.9	87.9	85.0
Qatar	740	63.3	22.4	63.3	12.4	2.0	64.2	62.2
Russian Federation	710	85.0	5.3	85.0	9.5	0.2	83.7	86.2
Saudi Arabia	598	51.8	21.7	51.8	23.9	2.6	57.3	46.8
Serbia	566	85.1	3.4	85.1	10.4	1.2	88.0	82.5
Singapore	931	83.7	14.5	83.7	1.3	0.5	82.2	85.1
Slovak Republic	838	87.6	5.6	87.6	6.4	0.4	85.7	89.4
Slovenia	635	92.1	4.0	92.1	2.9	1.0	93.2	90.9
Spain	1101	82.3	11.5	82.3	5.3	1.0	82.4	82.1
Sweden	587	81.1	7.0	81.1	10.6	1.2	78.8	83.3
Turkey	918	82.6	8.2	82.6	8.7	0.5	81.3	84.0
United Arab Emirates	3031	67.1	19.6	67.1	12.2	1.0	69.1	65.4
United States	1425	85.1	9.4	85.1	3.9	1.6	85.0	85.2
International Avg (n=47)	36077	79.0	11.4	79.0	8.2	1.3	79.1	78.9
Buenos Aires, Argentina	454	51.7	9.5	51.7	28.5	10.3	51.9	51.5
Ontario, Canada	656	82.6	11.6	82.6	3.8	2.0	82.5	82.6
Quebec, Canada	397	85.8	7.0	85.8	6.3	0.8	88.1	83.7
Norway (4)	599	69.3	17.9	69.3	10.3	2.5	67.9	70.7
Abu Dhabi, UAE	716	58.6	25.5	58.6	14.6	1.3	60.5	57.0
Dubai, UAE	1068	78.2	13.9	78.2	7.3	0.6	80.7	75.9
Florida, US	289	87.4	8.9	87.4	3.1	0.6	86.5	88.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S06_08B (S051188B): Physical Science / Knowing Type: MC Key: A
Label: Energy used by people: wind

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	68.4	68.4	24.7	4.8	2.0	67.2	69.6
Bahrain	586	46.8	46.8	41.2	10.2	1.8	46.4	47.2
Belgium (Flemish)	761	80.6	80.6	16.5	2.5	0.4	78.0	83.1
Bulgaria	594	72.6	72.6	18.7	7.3	1.4	74.1	71.4
Canada	1753	74.5	74.5	20.3	3.7	1.5	74.5	74.7
Chile	681	60.8	60.8	30.0	5.4	3.8	61.4	60.1
Chinese Taipei	617	90.5	90.5	7.7	1.8	0.0	87.9	93.0
Croatia	560	78.3	78.3	17.4	4.2	0.2	78.5	78.1
Cyprus	589	69.8	69.8	19.5	7.0	3.8	71.6	68.0
Czech Republic	742	70.5	70.5	25.5	3.8	0.1	66.5	75.2
Denmark	525	73.8	73.8	17.0	5.1	4.2	72.1	75.3
England	577	67.1	67.1	26.8	5.6	0.5	68.8	65.3
Finland	723	88.8	88.8	8.9	1.4	0.9	89.2	88.5
France	701	71.7	71.7	22.8	3.4	2.0	70.6	72.7
Georgia	556	40.7	40.7	34.7	23.5	1.1	42.3	39.1
Germany	563	79.6	79.6	15.9	3.7	0.9	76.9	82.0
Hong Kong SAR	516	86.0	86.0	12.3	0.6	1.1	80.3	91.1
Hungary	717	79.8	79.8	16.6	2.3	1.3	75.8	83.7
Indonesia	564	63.1	63.1	9.6	25.5	1.7	65.2	61.2
Iran, Islamic Rep. of	541	52.2	52.2	22.3	18.6	6.9	58.1	45.3
Ireland	622	78.5	78.5	17.5	3.3	0.7	78.4	78.6
Italy	608	69.2	69.2	23.5	6.3	1.0	67.8	70.4
Japan	622	69.6	69.6	28.3	1.3	0.8	65.5	73.1
Kazakhstan	663	57.4	57.4	34.2	7.8	0.5	53.1	61.4
Korea, Rep. of	673	77.3	77.3	21.4	0.9	0.4	71.5	82.9
Kuwait	503	30.3	30.3	46.5	19.6	3.6	29.2	31.4
Lithuania	638	73.9	73.9	23.5	2.3	0.3	71.3	76.6
Morocco	720	39.3	39.3	33.3	25.6	1.8	40.8	37.9
Netherlands	640	80.0	80.0	16.1	2.2	1.7	79.6	80.4
New Zealand	896	70.6	70.6	18.9	9.4	1.0	72.3	69.2
Northern Ireland	425	80.2	80.2	19.5	0.2	0.0	78.6	81.8
Norway	617	79.8	79.8	15.0	4.5	0.7	77.4	82.1
Oman	1300	60.6	60.6	25.5	12.8	1.1	62.5	58.7
Poland	672	74.7	74.7	23.3	1.9	0.1	74.8	74.5
Portugal	670	71.6	71.6	25.6	1.9	0.9	73.0	70.0
Qatar	740	48.2	48.2	38.0	11.8	2.0	47.5	48.9
Russian Federation	710	65.6	65.6	27.1	7.1	0.2	62.2	68.7
Saudi Arabia	599	35.5	35.5	35.9	25.9	2.6	37.3	34.0
Serbia	566	81.7	81.7	11.1	6.0	1.2	82.9	80.7
Singapore	931	46.8	46.8	51.3	1.5	0.5	42.3	51.0
Slovak Republic	838	70.3	70.3	23.1	6.2	0.4	67.2	73.3
Slovenia	635	71.2	71.2	25.0	2.8	1.0	69.8	72.7
Spain	1101	73.6	73.6	22.9	2.5	1.0	72.7	74.5
Sweden	587	77.9	77.9	15.6	5.3	1.2	78.1	77.5
Turkey	918	57.2	57.2	35.6	6.8	0.5	55.4	59.1
United Arab Emirates	3031	57.3	57.3	30.2	11.4	1.0	57.3	57.2
United States	1425	75.0	75.0	19.9	3.5	1.6	75.4	74.5
International Avg (n=47)	36085	67.9	67.9	23.8	7.0	1.3	67.0	68.6
Buenos Aires, Argentina	454	35.5	35.5	26.4	27.8	10.3	33.3	37.6
Ontario, Canada	656	72.9	72.9	21.9	3.1	2.0	73.9	72.2
Quebec, Canada	397	77.3	77.3	17.0	4.8	0.8	78.2	76.5
Norway (4)	599	71.3	71.3	17.4	8.9	2.5	68.0	74.5
Abu Dhabi, UAE	716	50.5	50.5	33.4	14.7	1.3	51.0	50.1
Dubai, UAE	1068	69.8	69.8	23.8	5.9	0.6	74.5	65.1
Florida, US	289	81.1	81.1	15.6	2.7	0.6	82.3	79.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S06_08C (S051188C): Physical Science / Knowing Type: MC Key: A
Label: Energy used by people: Sun

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	88.6	88.6	5.0	4.3	2.0	86.4	90.7
Bahrain	586	82.8	82.8	10.0	5.4	1.8	88.7	76.9
Belgium (Flemish)	761	89.2	89.2	8.1	2.3	0.4	89.5	88.8
Bulgaria	594	87.3	87.3	5.0	6.4	1.4	89.1	85.7
Canada	1747	92.1	92.1	3.8	2.6	1.5	91.8	92.3
Chile	681	82.3	82.3	9.3	4.7	3.8	79.7	85.0
Chinese Taipei	617	92.1	92.1	6.2	1.7	0.0	90.3	93.9
Croatia	560	88.2	88.2	7.1	4.5	0.2	85.5	91.0
Cyprus	589	81.0	81.0	8.0	7.2	3.8	79.0	82.9
Czech Republic	742	93.1	93.1	4.1	2.7	0.1	91.0	95.5
Denmark	525	85.9	85.9	5.4	4.5	4.2	85.0	86.7
England	577	88.3	88.3	7.4	3.8	0.5	89.2	87.4
Finland	723	92.2	92.2	5.3	1.6	0.9	92.3	92.1
France	701	89.1	89.1	6.1	2.8	2.0	89.8	88.3
Georgia	556	65.2	65.2	14.0	19.7	1.1	68.8	61.6
Germany	563	91.7	91.7	4.6	2.9	0.9	90.4	92.8
Hong Kong SAR	516	94.5	94.5	4.0	0.4	1.1	93.1	95.8
Hungary	717	92.3	92.3	4.1	2.4	1.3	92.1	92.4
Indonesia	564	79.7	79.7	4.8	13.7	1.7	79.0	80.4
Iran, Islamic Rep. of	541	68.7	68.7	8.4	16.0	6.9	70.8	66.2
Ireland	622	88.7	88.7	6.5	4.0	0.7	89.5	88.1
Italy	608	89.3	89.3	5.7	4.1	1.0	90.1	88.6
Japan	622	92.8	92.8	5.0	1.4	0.8	93.6	92.1
Kazakhstan	664	89.8	89.8	5.0	4.7	0.5	88.5	90.9
Korea, Rep. of	673	96.5	96.5	2.9	0.2	0.4	96.7	96.4
Kuwait	503	65.9	65.9	13.7	16.8	3.6	65.9	66.0
Lithuania	638	90.1	90.1	6.4	3.2	0.3	88.6	91.6
Morocco	717	63.4	63.4	15.8	19.0	1.8	62.3	64.4
Netherlands	640	90.2	90.2	6.0	2.2	1.7	90.5	89.8
New Zealand	896	83.4	83.4	7.7	7.9	1.0	84.6	82.2
Northern Ireland	425	90.9	90.9	9.1	0.0	0.0	92.2	89.6
Norway	617	88.0	88.0	7.4	4.0	0.7	87.5	88.4
Oman	1302	78.8	78.8	9.3	10.8	1.1	82.8	74.8
Poland	672	88.0	88.0	8.8	3.1	0.1	90.4	85.8
Portugal	670	87.4	87.4	9.4	2.3	0.9	85.0	90.2
Qatar	740	76.2	76.2	12.7	9.2	2.0	76.9	75.4
Russian Federation	710	91.7	91.7	4.2	3.9	0.2	92.2	91.2
Saudi Arabia	596	71.0	71.0	9.4	17.0	2.6	82.1	60.8
Serbia	566	86.6	86.6	6.0	6.1	1.2	89.8	84.0
Singapore	931	94.5	94.5	4.1	0.9	0.5	94.4	94.6
Slovak Republic	838	90.8	90.8	4.8	4.1	0.4	88.1	93.3
Slovenia	635	87.9	87.9	8.7	2.4	1.0	89.6	86.1
Spain	1101	89.2	89.2	7.7	2.1	1.0	88.2	90.2
Sweden	587	90.7	90.7	3.4	4.7	1.2	89.3	92.3
Turkey	917	90.4	90.4	3.7	5.5	0.5	90.9	89.7
United Arab Emirates	3031	82.2	82.2	8.3	8.5	1.0	84.0	80.6
United States	1425	91.4	91.4	4.1	2.9	1.6	91.2	91.6
International Avg (n=47)	36075	86.2	86.2	6.9	5.5	1.3	86.5	85.9
Buenos Aires, Argentina	454	59.4	59.4	7.4	22.9	10.3	55.4	63.4
Ontario, Canada	654	91.7	91.7	3.8	2.5	2.0	91.7	91.6
Quebec, Canada	398	94.1	94.1	3.4	1.7	0.8	92.3	95.8
Norway (4)	599	80.2	80.2	9.7	7.6	2.5	75.8	84.7
Abu Dhabi, UAE	716	75.8	75.8	10.2	12.7	1.3	76.0	75.6
Dubai, UAE	1068	88.4	88.4	5.5	5.5	0.6	91.3	85.5
Florida, US	289	95.5	95.5	1.8	2.1	0.6	95.4	95.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S06_08D (S051188D): Physical Science / Knowing Type: MC Key: B
Label: Energy used by people: sand

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	82.7	8.9	82.7	6.4	2.0	80.7	84.6
Bahrain	586	75.3	11.2	75.3	11.7	1.8	81.3	69.2
Belgium (Flemish)	761	86.2	9.7	86.2	3.7	0.4	86.1	86.3
Bulgaria	594	83.5	5.7	83.5	9.4	1.4	84.8	82.4
Canada	1755	86.6	6.6	86.6	5.3	1.5	86.8	86.3
Chile	681	76.9	12.7	76.9	6.6	3.8	75.5	78.5
Chinese Taipei	617	87.7	9.4	87.7	2.8	0.0	86.9	88.6
Croatia	560	85.9	7.8	85.9	6.1	0.2	82.2	89.7
Cyprus	589	74.3	10.5	74.3	11.4	3.8	71.2	77.3
Czech Republic	742	90.8	4.1	90.8	5.0	0.1	89.7	91.9
Denmark	525	83.3	5.5	83.3	7.0	4.2	82.4	84.1
England	577	86.4	5.6	86.4	7.5	0.5	88.1	84.7
Finland	723	93.0	2.9	93.0	3.1	0.9	93.1	92.9
France	701	83.1	9.6	83.1	5.3	2.0	81.8	84.3
Georgia	556	61.2	8.9	61.2	28.8	1.1	59.6	62.7
Germany	563	84.6	6.9	84.6	7.6	0.9	84.4	84.8
Hong Kong SAR	516	91.5	6.6	91.5	0.8	1.1	90.1	92.8
Hungary	717	86.6	7.0	86.6	5.1	1.3	84.2	88.9
Indonesia	564	63.2	5.5	63.2	29.6	1.7	64.9	61.7
Iran, Islamic Rep. of	541	62.1	9.0	62.1	22.0	6.9	64.2	59.7
Ireland	622	86.0	7.1	86.0	6.1	0.7	86.0	86.1
Italy	608	87.2	3.8	87.2	8.1	1.0	87.7	86.7
Japan	622	90.0	7.1	90.0	2.1	0.8	88.6	91.2
Kazakhstan	663	80.6	8.5	80.6	10.3	0.5	82.6	78.7
Korea, Rep. of	673	89.9	8.4	89.9	1.3	0.4	88.5	91.3
Kuwait	503	56.9	18.8	56.9	20.7	3.6	59.8	53.9
Lithuania	638	88.6	4.9	88.6	6.2	0.3	87.8	89.4
Morocco	720	53.4	13.6	53.4	31.2	1.8	48.6	57.7
Netherlands	640	87.6	7.6	87.6	3.1	1.7	86.3	88.9
New Zealand	896	78.0	9.3	78.0	11.7	1.0	78.8	77.3
Northern Ireland	410	91.7	8.0	91.7	0.3	0.0	89.7	93.7
Norway	617	83.1	8.3	83.1	7.9	0.7	84.1	82.1
Oman	1301	71.0	11.4	71.0	16.5	1.1	73.6	68.4
Poland	672	90.2	5.7	90.2	4.0	0.1	92.4	88.1
Portugal	670	88.0	7.4	88.0	3.7	0.9	89.1	86.7
Qatar	740	72.6	12.0	72.6	13.4	2.0	75.4	69.5
Russian Federation	710	84.9	4.7	84.9	10.2	0.2	84.7	85.2
Saudi Arabia	598	56.1	13.7	56.1	27.5	2.6	63.4	49.4
Serbia	566	84.0	4.1	84.0	10.7	1.2	87.1	81.3
Singapore	931	95.0	3.0	95.0	1.5	0.5	95.7	94.3
Slovak Republic	838	88.2	4.1	88.2	7.4	0.4	86.1	90.1
Slovenia	635	90.1	4.9	90.1	4.0	1.0	91.4	88.8
Spain	1101	86.4	6.5	86.4	6.1	1.0	86.0	86.7
Sweden	587	83.8	5.1	83.8	9.9	1.2	81.4	86.2
Turkey	918	78.4	12.7	78.4	8.4	0.5	78.1	78.7
United Arab Emirates	3027	75.8	10.8	75.8	12.4	1.0	76.6	75.0
United States	1425	88.6	5.0	88.6	4.8	1.6	88.1	89.1
International Avg (n=47)	36068	81.5	7.9	81.5	9.3	1.3	81.6	81.4
Buenos Aires, Argentina	454	50.3	9.8	50.3	29.5	10.3	47.3	53.3
Ontario, Canada	657	86.5	7.1	86.5	4.4	2.0	85.9	87.1
Quebec, Canada	398	86.8	5.8	86.8	6.6	0.8	88.5	85.2
Norway (4)	599	76.0	10.1	76.0	11.4	2.5	76.7	75.3
Abu Dhabi, UAE	715	69.5	14.5	69.5	14.6	1.3	71.7	67.7
Dubai, UAE	1067	86.0	5.7	86.0	7.8	0.6	89.5	82.5
Florida, US	289	89.3	5.2	89.3	4.9	0.6	91.2	87.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S06_08E (S051188E): Physical Science / Knowing Type: MC Key: A
Label: Energy used by people: water

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	58.2	58.2	32.8	7.0	2.0	54.4	61.7
Bahrain	586	54.1	54.1	35.0	9.2	1.8	55.8	52.3
Belgium (Flemish)	761	77.9	77.9	19.5	2.2	0.4	75.1	80.7
Bulgaria	594	67.2	67.2	23.9	7.4	1.4	68.7	66.0
Canada	1752	73.2	73.2	22.1	3.1	1.5	72.3	74.0
Chile	681	55.7	55.7	35.2	5.4	3.8	51.9	59.6
Chinese Taipei	617	92.4	92.4	6.7	0.9	0.0	90.6	94.2
Croatia	560	80.7	80.7	13.8	5.3	0.2	80.8	80.6
Cyprus	589	70.8	70.8	18.5	6.9	3.8	70.4	71.2
Czech Republic	742	72.6	72.6	24.3	3.0	0.1	70.4	75.2
Denmark	525	74.5	74.5	15.7	5.6	4.2	72.3	76.6
England	577	57.3	57.3	36.5	5.6	0.5	57.8	56.9
Finland	723	84.3	84.3	13.5	1.3	0.9	84.3	84.4
France	701	75.1	75.1	20.2	2.7	2.0	75.8	74.5
Georgia	556	72.8	72.8	13.3	12.7	1.1	72.9	72.8
Germany	563	74.1	74.1	21.4	3.5	0.9	72.9	75.3
Hong Kong SAR	516	85.4	85.4	13.1	0.4	1.1	80.3	90.0
Hungary	717	75.4	75.4	20.8	2.6	1.3	73.0	77.7
Indonesia	564	63.0	63.0	9.9	25.3	1.7	66.1	60.1
Iran, Islamic Rep. of	541	45.0	45.0	30.9	17.3	6.9	46.7	43.0
Ireland	622	71.2	71.2	24.5	3.5	0.7	73.3	69.5
Italy	608	76.7	76.7	18.2	4.2	1.0	75.8	77.4
Japan	622	80.8	80.8	16.8	1.6	0.8	81.0	80.6
Kazakhstan	663	70.9	70.9	22.0	6.5	0.5	69.9	71.8
Korea, Rep. of	673	75.3	75.3	24.1	0.3	0.4	71.9	78.5
Kuwait	503	46.4	46.4	31.5	18.5	3.6	47.4	45.3
Lithuania	638	70.6	70.6	26.6	2.5	0.3	70.5	70.7
Morocco	723	55.5	55.5	20.2	22.5	1.8	51.0	59.6
Netherlands	640	71.1	71.1	24.8	2.4	1.7	72.2	70.0
New Zealand	896	68.4	68.4	22.1	8.5	1.0	65.9	70.6
Northern Ireland	424	68.8	68.8	30.8	0.4	0.0	71.8	65.8
Norway	617	86.5	86.5	9.7	3.1	0.7	85.9	87.1
Oman	1303	64.4	64.4	20.3	14.3	1.1	66.6	62.2
Poland	672	71.8	71.8	25.1	3.0	0.1	71.4	72.1
Portugal	670	74.0	74.0	23.0	2.1	0.9	75.6	72.2
Qatar	740	57.2	57.2	29.8	11.0	2.0	58.0	56.3
Russian Federation	710	62.5	62.5	31.0	6.4	0.2	61.0	63.8
Saudi Arabia	598	44.4	44.4	28.5	24.5	2.6	48.3	40.9
Serbia	566	85.8	85.8	7.9	5.2	1.2	85.6	85.9
Singapore	931	33.6	33.6	64.5	1.4	0.5	30.2	36.9
Slovak Republic	838	79.3	79.3	15.1	5.2	0.4	77.9	80.7
Slovenia	635	85.3	85.3	10.7	3.0	1.0	87.0	83.6
Spain	1101	69.1	69.1	26.7	3.2	1.0	68.4	69.8
Sweden	587	84.3	84.3	10.8	3.7	1.2	84.0	84.4
Turkey	918	60.9	60.9	32.7	5.9	0.5	63.1	58.6
United Arab Emirates	3030	61.4	61.4	27.4	10.1	1.0	61.4	61.6
United States	1425	65.8	65.8	29.2	3.5	1.6	65.0	66.6
International Avg (n=47)	36087	69.2	69.2	23.0	6.5	1.3	68.8	69.6
Buenos Aires, Argentina	454	37.7	37.7	23.3	28.7	10.3	37.0	38.4
Ontario, Canada	657	70.2	70.2	25.0	2.8	2.0	69.2	70.9
Quebec, Canada	397	85.8	85.8	10.1	3.3	0.8	85.1	86.4
Norway (4)	599	78.0	78.0	12.3	7.2	2.5	76.6	79.5
Abu Dhabi, UAE	716	53.1	53.1	32.7	12.9	1.3	53.9	52.4
Dubai, UAE	1068	70.0	70.0	25.3	4.1	0.6	68.4	71.7
Florida, US	289	69.5	69.5	26.4	3.5	0.6	68.0	71.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S06_08Z (S051188Z): Physical Science / Knowing Type: CR 1 Point
Label: Energy used by people (DERIVED)

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	38.2	57.4	38.2	2.3	2.0	36.6	39.8
Bahrain	586	25.2	70.5	25.2	2.5	1.8	27.0	23.4
Belgium (Flemish)	761	55.2	42.9	55.2	1.5	0.4	51.7	58.7
Bulgaria	594	51.0	43.4	51.0	4.2	1.4	52.4	49.9
Canada	1742	51.7	45.0	51.7	1.8	1.5	51.1	52.4
Chile	681	35.1	58.3	35.1	2.8	3.8	31.6	38.8
Chinese Taipei	617	66.4	33.1	66.4	0.5	0.0	63.6	69.1
Croatia	560	59.1	36.8	59.1	4.0	0.2	56.6	61.6
Cyprus	589	45.6	45.7	45.6	4.9	3.8	43.1	48.0
Czech Republic	742	54.5	44.0	54.5	1.5	0.1	49.7	60.0
Denmark	525	55.0	37.5	55.0	3.3	4.2	51.9	57.8
England	577	33.0	64.5	33.0	2.0	0.5	34.0	32.0
Finland	723	70.3	28.2	70.3	0.6	0.9	69.8	70.8
France	701	49.5	47.1	49.5	1.3	2.0	48.7	50.3
Georgia	556	20.9	71.9	20.9	6.1	1.1	22.0	19.8
Germany	563	53.8	43.1	53.8	2.3	0.9	50.1	57.1
Hong Kong SAR	516	69.0	29.7	69.0	0.2	1.1	61.9	75.2
Hungary	717	57.2	40.6	57.2	1.0	1.3	52.1	62.1
Indonesia	564	44.9	48.2	44.9	5.1	1.7	44.3	45.6
Iran, Islamic Rep. of	541	24.5	63.8	24.5	4.8	6.9	26.3	22.5
Ireland	622	49.9	48.9	49.9	0.5	0.7	49.1	50.5
Italy	608	51.7	46.1	51.7	1.2	1.0	49.7	53.4
Japan	622	52.8	45.5	52.8	0.9	0.8	49.0	56.1
Kazakhstan	663	43.1	55.1	43.1	1.3	0.5	40.5	45.5
Korea, Rep. of	673	55.7	43.8	55.7	0.1	0.4	48.4	62.7
Kuwait	503	10.2	75.8	10.2	10.4	3.6	10.2	10.2
Lithuania	638	46.2	52.7	46.2	0.8	0.3	41.1	51.2
Morocco	713	15.3	74.4	15.3	8.5	1.8	16.9	13.8
Netherlands	640	55.5	40.8	55.5	2.0	1.7	55.6	55.4
New Zealand	896	44.1	50.6	44.1	4.2	1.0	43.7	44.5
Northern Ireland	404	47.3	52.7	47.3	0.0	0.0	47.3	47.2
Norway	617	59.2	38.5	59.2	1.6	0.7	57.8	60.6
Oman	1294	37.2	57.2	37.2	4.5	1.1	40.7	33.7
Poland	672	49.9	48.3	49.9	1.7	0.1	49.2	50.7
Portugal	670	45.8	52.4	45.8	1.0	0.9	43.6	48.4
Qatar	740	25.7	65.2	25.7	7.1	2.0	23.3	28.3
Russian Federation	710	41.9	57.6	41.9	0.4	0.2	38.6	44.8
Saudi Arabia	591	15.8	72.6	15.8	9.0	2.6	16.0	15.6
Serbia	566	65.1	30.4	65.1	3.3	1.2	67.7	62.8
Singapore	931	22.3	77.0	22.3	0.3	0.5	19.2	25.2
Slovak Republic	838	58.0	40.0	58.0	1.7	0.4	53.1	62.7
Slovenia	635	60.3	37.6	60.3	1.2	1.0	59.4	61.2
Spain	1101	44.7	53.2	44.7	1.2	1.0	41.2	48.1
Sweden	587	61.5	36.3	61.5	1.0	1.2	60.4	62.5
Turkey	917	32.8	64.6	32.8	2.2	0.5	34.5	31.1
United Arab Emirates	3027	32.9	62.1	32.9	4.0	1.0	31.1	34.5
United States	1425	49.1	47.1	49.1	2.2	1.6	47.3	51.0
International Avg (n=47)	36027	45.4	50.6	45.4	2.6	1.3	43.8	46.9
Buenos Aires, Argentina	454	18.7	50.2	18.7	20.8	10.3	17.0	20.4
Ontario, Canada	654	48.5	47.9	48.5	1.6	2.0	48.6	48.5
Quebec, Canada	395	64.0	33.8	64.0	1.4	0.8	62.0	65.9
Norway (4)	599	46.5	47.3	46.5	3.8	2.5	41.8	51.2
Abu Dhabi, UAE	715	23.5	69.3	23.5	5.9	1.3	21.0	25.5
Dubai, UAE	1067	46.8	50.4	46.8	2.2	0.6	48.0	45.7
Florida, US	289	53.0	44.3	53.0	2.1	0.6	52.0	54.0

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S06_10 (S051201): Physical Science / Applying Type: CR 1 Point
Label: Sweater around bottle of water

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	51.0	41.1	51.0	5.3	2.6	53.0	49.2
Bahrain	586	31.9	49.2	31.9	16.7	2.2	36.1	27.6
Belgium (Flemish)	761	46.8	45.8	46.8	6.7	0.7	49.8	43.7
Bulgaria	594	50.3	30.4	50.3	17.7	1.7	53.7	47.3
Canada	1756	47.8	44.2	47.8	6.0	2.0	48.7	47.2
Chile	680	38.8	42.1	38.8	13.8	5.3	37.7	40.1
Chinese Taipei	617	28.3	55.3	28.3	16.3	0.2	27.0	29.5
Croatia	560	46.5	42.9	46.5	10.5	0.2	49.1	43.9
Cyprus	589	41.1	37.3	41.1	16.3	5.3	36.7	45.4
Czech Republic	742	39.0	41.9	39.0	18.9	0.2	39.1	38.8
Denmark	525	48.6	38.4	48.6	6.9	6.1	53.1	44.6
England	577	61.7	32.9	61.7	4.6	0.9	62.6	60.7
Finland	723	66.5	24.7	66.5	7.5	1.3	68.6	64.6
France	701	31.0	47.1	31.0	19.5	2.4	34.5	27.9
Georgia	556	29.3	45.2	29.3	22.1	3.5	25.8	32.8
Germany	563	43.3	36.5	43.3	19.3	0.9	47.8	39.4
Hong Kong SAR	516	26.7	65.6	26.7	6.6	1.1	27.7	25.8
Hungary	717	46.2	41.1	46.2	10.9	1.9	46.9	45.5
Indonesia	564	11.9	68.3	11.9	17.3	2.4	12.3	11.5
Iran, Islamic Rep. of	541	26.5	46.3	26.5	19.3	7.9	25.0	28.2
Ireland	622	58.6	37.0	58.6	3.5	0.9	61.7	55.9
Italy	606	38.7	42.6	38.7	16.7	2.0	38.4	38.9
Japan	622	48.9	43.3	48.9	7.0	0.8	48.2	49.4
Kazakhstan	664	51.8	39.6	51.8	7.5	1.1	52.9	50.8
Korea, Rep. of	673	35.5	62.2	35.5	1.9	0.4	31.2	39.7
Kuwait	504	9.1	38.2	9.1	47.8	4.9	10.6	7.5
Lithuania	638	53.4	37.3	53.4	9.0	0.3	57.3	49.6
Morocco	725	11.0	49.5	11.0	36.9	2.6	11.6	10.5
Netherlands	640	48.1	44.7	48.1	5.2	2.0	51.0	45.2
New Zealand	896	47.0	42.8	47.0	8.1	2.1	50.4	44.0
Northern Ireland	445	59.4	36.2	59.4	4.3	0.2	56.7	61.9
Norway	617	50.1	41.0	50.1	7.3	1.6	50.9	49.4
Oman	1307	14.0	63.9	14.0	21.0	1.2	12.8	15.1
Poland	672	50.0	35.4	50.0	14.5	0.1	51.8	48.3
Portugal	670	51.2	40.2	51.2	7.4	1.2	53.3	48.6
Qatar	740	17.9	61.1	17.9	18.1	2.9	16.2	19.8
Russian Federation	710	49.3	41.3	49.3	9.1	0.4	49.2	49.3
Saudi Arabia	602	27.6	36.6	27.6	32.7	3.1	37.7	18.5
Serbia	566	46.1	29.6	46.1	22.4	1.9	45.5	46.6
Singapore	931	59.5	38.5	59.5	1.5	0.5	61.1	58.0
Slovak Republic	838	44.2	39.9	44.2	15.6	0.4	42.2	46.0
Slovenia	635	47.0	38.8	47.0	13.0	1.2	46.9	47.1
Spain	1101	51.6	38.3	51.6	9.0	1.1	53.1	50.1
Sweden	587	52.1	37.6	52.1	8.4	1.9	53.7	50.4
Turkey	918	38.5	50.6	38.5	10.1	0.7	38.3	38.8
United Arab Emirates	3031	20.9	54.8	20.9	23.0	1.3	21.6	20.4
United States	1425	49.7	44.0	49.7	4.0	2.3	50.5	48.8
International Avg (n=47)	36122	41.4	43.4	41.4	13.3	1.9	42.3	40.5
Buenos Aires, Argentina	454	23.5	30.4	23.5	34.0	12.1	24.5	22.5
Ontario, Canada	658	49.9	43.1	49.9	4.5	2.5	51.1	49.0
Quebec, Canada	398	44.3	48.4	44.3	6.4	0.9	44.2	44.3
Norway (4)	599	37.1	45.7	37.1	14.0	3.2	37.7	36.5
Abu Dhabi, UAE	716	18.3	54.3	18.3	25.8	1.5	20.3	16.7
Dubai, UAE	1068	32.3	54.9	32.3	11.8	0.9	33.3	31.3
Florida, US	289	50.2	42.4	50.2	6.2	1.1	48.5	52.2

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S06_11 (S051102): Earth Science / Knowing Type: MC Key: A
Label: Direction water flows

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	52.5	52.5	9.7	17.1	14.5	3.5	2.6	43.8	60.8
Bahrain	586	38.4	38.4	12.6	27.1	14.1	5.2	2.5	42.8	33.9
Belgium (Flemish)	761	64.3	64.3	12.5	13.6	7.8	1.0	0.9	56.8	71.8
Bulgaria	594	71.0	71.0	6.2	10.3	8.5	2.0	2.1	67.4	74.1
Canada	1749	53.0	53.0	7.5	20.4	14.3	2.5	2.3	48.3	57.5
Chile	680	48.6	48.6	12.1	12.5	18.3	3.0	5.5	46.3	51.1
Chinese Taipei	617	81.5	81.5	9.0	4.9	4.2	0.3	0.2	78.1	84.6
Croatia	560	69.0	69.0	5.0	13.6	10.4	1.7	0.2	62.3	75.8
Cyprus	589	67.1	67.1	8.5	8.0	8.7	2.0	5.6	62.7	71.4
Czech Republic	742	79.3	79.3	4.5	7.5	7.6	0.8	0.3	77.4	81.5
Denmark	525	50.7	50.7	8.8	14.9	13.9	5.0	6.8	43.7	56.9
England	577	57.2	57.2	8.1	18.2	13.0	2.4	1.2	52.9	61.4
Finland	723	55.1	55.1	7.9	20.0	13.4	2.3	1.3	53.3	56.7
France	701	66.7	66.7	8.3	9.7	9.7	2.7	2.8	61.5	71.6
Georgia	556	63.7	63.7	4.7	8.8	14.3	3.4	5.0	62.5	64.9
Germany	563	67.7	67.7	3.9	11.0	12.2	3.8	1.4	65.6	69.6
Hong Kong SAR	516	75.9	75.9	9.5	8.9	4.4	0.2	1.2	69.8	81.2
Hungary	717	66.4	66.4	5.7	13.8	9.8	2.1	2.1	58.8	73.7
Indonesia	564	44.4	44.4	8.7	10.1	33.0	1.2	2.6	39.0	49.5
Iran, Islamic Rep. of	541	55.5	55.5	11.9	11.3	8.9	2.9	9.5	51.4	60.2
Ireland	622	66.0	66.0	9.5	10.5	12.0	1.0	1.0	60.9	70.4
Italy	608	75.2	75.2	3.7	7.1	8.3	2.9	2.9	73.0	77.2
Japan	622	79.1	79.1	4.7	7.6	6.9	1.0	0.8	74.0	83.6
Kazakhstan	664	68.1	68.1	4.6	9.0	16.0	1.0	1.3	61.8	73.8
Korea, Rep. of	673	82.1	82.1	6.5	8.2	2.7	0.1	0.5	76.4	87.6
Kuwait	504	29.1	29.1	16.2	22.8	13.0	13.1	5.7	29.2	29.0
Lithuania	638	51.7	51.7	8.0	17.1	20.3	2.5	0.5	52.8	50.7
Morocco	715	34.3	34.3	19.5	25.6	11.9	5.0	3.7	36.4	32.5
Netherlands	640	72.8	72.8	4.9	8.5	9.9	1.6	2.3	67.7	77.9
New Zealand	896	57.5	57.5	7.0	16.0	12.9	4.2	2.5	52.8	61.7
Northern Ireland	435	57.9	57.9	12.2	14.8	14.5	0.6	0.0	52.0	63.7
Norway	617	73.6	73.6	4.4	6.3	12.5	1.4	1.8	73.5	73.6
Oman	1306	44.9	44.9	13.4	21.1	15.3	3.5	1.8	42.9	46.9
Poland	672	81.9	81.9	4.2	5.5	7.3	1.1	0.1	76.8	86.8
Portugal	670	66.4	66.4	7.8	14.0	8.8	1.5	1.5	62.0	71.6
Qatar	740	36.4	36.4	15.2	25.5	14.5	4.6	3.7	33.8	39.3
Russian Federation	710	71.7	71.7	5.9	7.5	13.4	0.9	0.7	68.5	74.6
Saudi Arabia	598	31.1	31.1	17.2	28.6	15.7	3.6	3.8	32.1	30.1
Serbia	566	64.8	64.8	6.0	11.0	13.7	2.5	2.0	60.0	68.9
Singapore	931	49.5	49.5	13.4	16.7	19.4	0.5	0.5	44.4	54.2
Slovak Republic	838	75.7	75.7	5.6	9.5	7.6	0.9	0.7	73.4	78.0
Slovenia	635	63.4	63.4	6.2	14.9	12.0	2.2	1.3	57.4	69.8
Spain	1101	74.2	74.2	7.1	8.0	7.9	1.2	1.6	72.1	76.2
Sweden	586	66.8	66.8	7.9	8.4	13.4	1.4	2.0	60.7	73.7
Turkey	918	47.2	47.2	17.1	16.6	17.7	0.7	0.7	43.5	50.9
United Arab Emirates	3031	44.9	44.9	12.5	20.6	16.6	3.5	1.8	41.0	48.5
United States	1425	58.8	58.8	6.1	18.7	11.5	2.5	2.5	54.3	63.6
International Avg (n=47)	36091	60.7	60.7	8.8	13.7	12.3	2.4	2.2	57.0	64.3
Buenos Aires, Argentina	454	32.7	32.7	8.9	17.9	13.6	14.0	13.0	29.0	36.3
Ontario, Canada	656	46.3	46.3	6.6	26.2	15.7	2.1	3.0	42.0	50.4
Quebec, Canada	395	61.5	61.5	6.7	13.9	14.8	2.1	0.9	54.6	68.2
Norway (4)	599	62.2	62.2	8.4	6.4	16.6	2.7	3.6	59.6	64.9
Abu Dhabi, UAE	716	37.1	37.1	14.3	24.9	18.4	3.2	2.0	29.2	43.5
Dubai, UAE	1068	57.5	57.5	10.6	15.6	13.4	1.7	1.3	55.3	59.7
Florida, US	289	54.3	54.3	8.7	26.3	7.3	2.0	1.4	50.5	58.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S06_12 (S051095): Earth Science / Reasoning Type: CR 1 Point
Label: Air inside the balloon

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	62.4	34.7	62.4	0.2	2.7	65.7	59.3
Bahrain	586	41.1	54.8	41.1	1.0	3.1	44.0	38.2
Belgium (Flemish)	761	70.3	28.2	70.3	0.6	0.9	74.0	66.6
Bulgaria	594	46.1	50.0	46.1	1.8	2.1	48.7	43.9
Canada	1756	60.5	35.2	60.5	1.6	2.7	65.9	55.8
Chile	680	63.4	29.6	63.4	1.2	5.7	69.3	57.2
Chinese Taipei	617	52.5	47.2	52.5	0.1	0.2	53.7	51.4
Croatia	560	63.7	35.9	63.7	0.3	0.2	68.9	58.3
Cyprus	589	70.6	22.5	70.6	1.2	5.6	74.4	67.0
Czech Republic	742	63.1	35.5	63.1	1.0	0.4	67.7	57.8
Denmark	525	52.6	39.6	52.6	1.1	6.8	62.6	43.5
England	577	62.6	35.1	62.6	1.0	1.3	66.8	58.4
Finland	723	59.5	38.2	59.5	0.8	1.5	71.0	49.1
France	701	66.0	30.2	66.0	0.7	3.1	75.1	57.6
Georgia	556	41.6	50.8	41.6	1.9	5.6	42.4	40.8
Germany	563	59.9	38.1	59.9	0.3	1.7	68.3	52.4
Hong Kong SAR	516	60.1	38.4	60.1	0.0	1.4	62.7	57.8
Hungary	717	67.8	29.1	67.8	0.7	2.4	71.2	64.6
Indonesia	564	31.4	65.0	31.4	0.8	2.8	32.0	30.8
Iran, Islamic Rep. of	541	43.0	46.2	43.0	1.1	9.8	49.3	35.5
Ireland	622	57.9	40.4	57.9	0.5	1.2	66.9	50.2
Italy	605	66.0	30.7	66.0	0.1	3.1	65.0	66.9
Japan	622	77.0	21.9	77.0	0.3	0.8	78.7	75.6
Kazakhstan	664	77.2	19.6	77.2	1.8	1.3	81.7	73.1
Korea, Rep. of	673	83.8	15.2	83.8	0.5	0.5	85.7	81.9
Kuwait	503	9.9	82.0	9.9	2.1	6.0	12.2	7.4
Lithuania	638	80.3	18.9	80.3	0.3	0.5	85.7	75.0
Morocco	726	19.8	74.0	19.8	2.0	4.3	22.5	17.2
Netherlands	640	67.1	30.1	67.1	0.4	2.4	74.5	59.8
New Zealand	896	66.1	30.5	66.1	0.8	2.5	71.8	61.0
Northern Ireland	445	60.3	38.5	60.3	0.8	0.5	66.4	54.2
Norway	617	68.3	29.2	68.3	0.4	2.2	71.9	64.9
Oman	1307	38.8	57.7	38.8	1.7	1.8	46.5	31.1
Poland	672	61.2	38.5	61.2	0.1	0.1	67.5	55.2
Portugal	670	76.9	21.1	76.9	0.0	2.0	81.7	71.3
Qatar	740	33.8	60.4	33.8	1.8	4.0	37.5	29.9
Russian Federation	710	73.7	25.3	73.7	0.2	0.8	74.6	72.8
Saudi Arabia	601	35.7	58.2	35.7	2.3	3.8	48.9	23.7
Serbia	566	67.8	28.9	67.8	1.1	2.2	75.6	61.1
Singapore	931	57.3	42.0	57.3	0.2	0.5	61.4	53.5
Slovak Republic	838	59.0	39.8	59.0	0.6	0.7	62.3	55.8
Slovenia	635	73.3	24.7	73.3	0.5	1.6	79.0	67.2
Spain	1101	67.9	29.8	67.9	0.4	1.9	68.1	67.8
Sweden	587	68.6	28.2	68.6	0.9	2.3	77.1	59.5
Turkey	918	57.8	40.8	57.8	0.6	0.8	61.0	54.4
United Arab Emirates	3031	38.6	58.3	38.6	1.4	1.8	43.1	34.5
United States	1425	57.6	38.8	57.6	0.9	2.7	59.8	55.3
International Avg (n=47)	36120	58.3	38.5	58.3	0.8	2.4	63.0	53.8
Buenos Aires, Argentina	454	44.0	42.0	44.0	0.5	13.4	48.7	39.5
Ontario, Canada	658	60.2	34.7	60.2	1.5	3.6	64.7	56.3
Quebec, Canada	398	68.4	30.7	68.4	0.0	0.9	70.6	66.4
Norway (4)	599	58.3	36.7	58.3	0.9	4.1	64.0	52.6
Abu Dhabi, UAE	716	30.3	67.0	30.3	0.7	2.1	31.9	29.0
Dubai, UAE	1068	54.4	43.2	54.4	1.1	1.3	63.2	45.8
Florida, US	289	60.4	37.0	60.4	0.8	1.7	64.2	56.2

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S07_01 (S041027): Life Science / Knowing Type: CR 1 Point
Label: Ecosystem and name of animal

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	97.0	1.9	97.0	0.9	0.2	97.5	96.6
Bahrain	592	64.7	33.6	64.7	1.2	0.5	67.3	62.0
Belgium (Flemish)	767	91.4	7.9	91.4	0.6	0.0	92.3	90.5
Bulgaria	606	90.6	6.1	90.6	3.0	0.2	88.2	92.9
Canada	1769	94.0	3.8	94.0	1.8	0.5	95.8	92.4
Chile	678	85.1	11.7	85.1	2.3	0.9	84.1	86.0
Chinese Taipei	616	94.4	5.4	94.4	0.2	0.0	94.9	94.0
Croatia	563	95.6	4.4	95.6	0.0	0.0	95.6	95.6
Cyprus	596	86.4	12.0	86.4	1.5	0.0	86.9	86.0
Czech Republic	747	96.2	3.4	96.2	0.3	0.0	96.2	96.2
Denmark	528	92.0	6.1	92.0	1.4	0.5	94.3	90.0
England	574	94.7	4.5	94.7	0.8	0.0	96.7	92.8
Finland	718	94.5	5.1	94.5	0.4	0.0	95.7	93.3
France	685	91.1	7.5	91.1	1.1	0.4	93.9	88.6
Georgia	563	83.6	11.8	83.6	2.5	2.1	85.0	82.3
Germany	569	94.5	5.0	94.5	0.4	0.2	93.7	95.2
Hong Kong SAR	513	96.2	3.8	96.2	0.0	0.0	96.6	95.9
Hungary	713	95.8	3.4	95.8	0.4	0.4	94.9	96.6
Indonesia	574	60.8	37.2	60.8	1.8	0.2	55.6	65.4
Iran, Islamic Rep. of	546	69.7	26.4	69.7	3.6	0.2	68.1	71.4
Ireland	621	93.0	6.3	93.0	0.7	0.1	91.3	94.3
Italy	612	90.5	9.1	90.5	0.0	0.3	90.6	90.5
Japan	621	97.2	2.7	97.2	0.1	0.0	98.0	96.5
Kazakhstan	668	84.1	14.6	84.1	1.1	0.2	85.5	82.9
Korea, Rep. of	666	92.4	7.6	92.4	0.0	0.0	92.7	92.0
Kuwait	503	51.7	40.4	51.7	6.4	1.5	54.4	48.7
Lithuania	655	96.1	3.3	96.1	0.6	0.1	95.9	96.2
Morocco	721	45.3	51.1	45.3	2.7	0.9	47.8	42.8
Netherlands	634	94.6	5.1	94.6	0.2	0.1	93.5	95.6
New Zealand	913	93.3	4.5	93.3	1.7	0.5	94.6	92.1
Northern Ireland	444	94.3	5.4	94.3	0.4	0.0	91.1	97.6
Norway	618	94.2	5.4	94.2	0.4	0.1	94.0	94.4
Oman	1302	72.0	26.6	72.0	1.1	0.2	74.6	69.5
Poland	687	96.9	3.0	96.9	0.1	0.0	97.7	96.2
Portugal	672	80.6	19.1	80.6	0.2	0.2	79.4	81.8
Qatar	743	72.7	25.3	72.7	1.4	0.7	72.5	72.9
Russian Federation	702	87.4	12.5	87.4	0.0	0.2	89.1	85.7
Saudi Arabia	619	59.0	36.5	59.0	4.1	0.4	63.9	54.3
Serbia	566	89.1	9.6	89.1	0.8	0.5	89.0	89.2
Singapore	936	95.8	4.1	95.8	0.1	0.0	96.7	94.8
Slovak Republic	831	91.6	7.6	91.6	0.7	0.0	88.1	95.0
Slovenia	643	89.5	10.2	89.5	0.2	0.1	88.3	90.7
Spain	1090	92.7	6.8	92.7	0.2	0.3	91.5	93.9
Sweden	574	93.5	6.3	93.5	0.1	0.1	92.8	94.1
Turkey	924	71.5	27.7	71.5	0.8	0.0	68.9	74.0
United Arab Emirates	3032	74.1	24.2	74.1	1.6	0.0	74.5	73.7
United States	1434	96.7	2.0	96.7	1.1	0.2	96.9	96.5
International Avg (n=47)	36216	86.3	12.3	86.3	1.1	0.3	86.5	86.2
Buenos Aires, Argentina	453	79.0	15.7	79.0	4.5	0.8	79.1	79.0
Ontario, Canada	662	95.3	2.7	95.3	1.2	0.7	97.5	93.5
Quebec, Canada	404	92.9	6.3	92.9	0.7	0.1	93.1	92.6
Norway (4)	594	89.2	9.5	89.2	0.8	0.6	91.1	87.6
Abu Dhabi, UAE	717	64.6	33.1	64.6	2.2	0.1	66.5	63.2
Dubai, UAE	1063	87.9	10.8	87.9	1.3	0.0	88.6	87.2
Florida, US	282	95.9	2.9	95.9	0.8	0.4	95.8	96.1

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S07_02 (S041043): Life Science / Knowing Type: CR 1 Point
Label: How to protect teeth from decay

COUNTRY	N	10 %	11 %	12 %	19 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	13.7	39.4	2.8	2.8	36.4	58.7	4.6	0.2	60.9	56.7
Bahrain	592	32.9	11.2	2.9	2.8	37.5	49.8	12.2	0.5	61.6	37.9
Belgium (Flemish)	767	38.7	25.1	7.9	0.9	23.1	72.6	4.2	0.0	77.0	68.1
Bulgaria	606	26.1	20.0	16.1	5.5	17.8	67.6	14.4	0.2	70.5	64.8
Canada	1769	15.4	47.7	3.8	1.1	26.3	67.9	4.7	1.1	70.8	65.2
Chile	678	33.4	15.9	3.9	2.0	35.3	55.1	8.0	1.6	61.3	48.8
Chinese Taipei	616	21.8	44.1	11.9	0.0	18.2	77.8	4.0	0.0	77.8	77.8
Croatia	563	34.8	13.0	21.2	0.4	26.2	69.4	4.4	0.0	78.1	59.9
Cyprus	596	54.7	8.1	6.1	1.9	21.7	70.8	6.6	0.8	76.4	65.5
Czech Republic	747	46.1	21.8	3.7	0.9	17.2	72.5	10.3	0.0	76.0	68.4
Denmark	528	35.6	21.8	2.2	3.6	29.4	63.1	6.6	1.0	66.7	59.8
England	574	25.2	35.1	2.7	0.9	31.5	63.8	4.7	0.0	67.8	60.0
Finland	718	42.7	32.3	2.8	2.4	15.6	80.2	4.1	0.0	86.8	74.0
France	685	34.0	12.2	7.9	0.3	29.5	54.4	15.5	0.6	64.9	45.2
Georgia	563	17.9	11.2	4.1	15.4	33.6	48.6	14.8	3.0	51.7	45.8
Germany	569	42.5	23.2	5.6	1.7	17.3	73.0	9.3	0.4	76.0	70.2
Hong Kong SAR	513	35.3	20.3	14.0	2.3	25.3	71.9	2.8	0.0	73.3	70.8
Hungary	713	46.4	21.3	4.3	1.7	19.3	73.8	6.6	0.4	77.5	70.2
Indonesia	574	14.2	12.6	2.0	1.0	55.4	29.9	14.6	0.2	34.5	25.8
Iran, Islamic Rep. of	546	27.4	20.3	2.4	7.7	23.2	57.8	18.6	0.4	63.4	51.7
Ireland	621	31.4	31.1	1.9	3.8	28.7	68.1	2.9	0.3	71.9	64.9
Italy	610	27.1	32.6	7.5	0.4	21.5	67.5	10.7	0.3	66.5	68.3
Japan	621	41.5	24.3	4.3	11.9	14.3	81.9	3.6	0.1	85.2	78.9
Kazakhstan	668	36.3	23.5	4.6	5.6	22.8	69.9	7.0	0.3	77.5	63.0
Korea, Rep. of	666	44.6	20.0	11.3	6.8	16.2	82.6	1.2	0.0	84.6	80.6
Kuwait	503	11.9	8.1	2.1	6.5	23.1	28.6	46.4	1.8	34.2	22.6
Lithuania	655	30.5	30.6	4.6	2.9	26.2	68.6	4.6	0.6	71.2	65.9
Morocco	721	13.6	15.7	3.9	1.0	36.1	34.3	28.4	1.2	38.1	30.4
Netherlands	634	21.5	33.5	7.0	4.7	26.7	66.8	6.4	0.1	68.8	64.7
New Zealand	913	13.3	33.5	1.6	1.1	42.7	49.5	6.8	1.0	52.2	47.1
Northern Ireland	444	19.1	33.9	2.9	4.3	33.9	60.3	5.6	0.2	65.7	54.6
Norway	618	38.4	41.4	1.2	1.9	13.9	82.9	3.1	0.1	84.4	81.4
Oman	1301	28.9	11.4	0.5	5.3	38.8	46.2	14.7	0.3	51.2	41.2
Poland	687	41.5	24.5	11.0	6.1	12.3	83.2	4.5	0.0	86.7	79.9
Portugal	672	33.6	23.4	9.2	2.0	26.7	68.2	4.8	0.3	73.2	62.7
Qatar	743	24.1	13.6	1.7	4.7	36.6	44.2	18.5	0.8	48.2	40.2
Russian Federation	702	31.9	27.3	10.1	11.5	12.8	80.8	6.2	0.2	83.4	78.3
Saudi Arabia	619	16.1	22.7	1.3	9.1	21.6	49.2	28.5	0.7	64.7	34.2
Serbia	566	39.6	25.7	12.0	5.3	9.9	82.6	7.0	0.5	87.5	77.6
Singapore	936	31.4	43.3	4.2	2.9	16.5	81.8	1.6	0.1	84.1	79.4
Slovak Republic	831	47.7	12.6	3.5	1.4	27.7	65.2	7.1	0.0	66.1	64.3
Slovenia	643	38.0	11.6	15.9	11.4	17.5	76.9	5.4	0.2	81.8	71.8
Spain	1090	49.5	21.5	4.3	1.2	19.3	76.6	3.8	0.3	79.7	73.8
Sweden	574	28.9	37.2	0.9	0.5	25.9	67.6	6.4	0.1	70.5	65.3
Turkey	923	39.4	20.0	7.9	12.8	14.8	80.1	4.9	0.1	85.9	74.7
United Arab Emirates	3032	20.5	18.1	2.4	4.2	36.2	45.2	18.5	0.1	53.3	38.1
United States	1434	9.7	53.3	2.7	5.4	24.8	71.1	3.7	0.3	71.8	70.4
International Avg (n=47)	36212	30.8	24.5	5.7	4.0	25.3	65.1	9.2	0.4	69.4	60.9
Buenos Aires, Argentina	452	36.5	11.0	3.6	1.3	27.5	52.3	18.4	1.8	58.5	46.5
Ontario, Canada	662	13.1	52.2	1.9	1.4	27.1	68.5	3.1	1.2	72.9	64.4
Quebec, Canada	404	25.5	38.5	8.5	1.4	21.2	73.9	4.9	0.1	74.5	73.3
Norway (4)	594	32.3	36.9	2.0	1.2	21.2	72.4	5.9	0.6	78.5	67.2
Abu Dhabi, UAE	717	17.0	15.7	2.7	4.4	36.7	39.8	23.2	0.3	45.0	35.9
Dubai, UAE	1063	26.1	22.3	3.0	5.0	34.0	56.3	9.5	0.1	63.3	49.3
Florida, US	282	16.4	49.0	1.9	4.5	24.6	71.8	2.8	0.8	71.9	71.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S07_03 (S041050): Physical Science / Reasoning Type: MC Key: C
Label: Classifying item

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	50.8	30.4	5.5	50.8	9.8	3.2	0.3	52.0	49.7
Bahrain	592	40.5	31.7	15.0	40.5	8.6	3.6	0.7	45.2	35.8
Belgium (Flemish)	767	46.5	19.7	11.6	46.5	10.3	11.9	0.0	49.5	43.4
Bulgaria	606	53.1	29.5	9.1	53.1	5.5	2.7	0.2	55.5	50.7
Canada	1725	55.7	28.1	6.4	55.7	7.2	1.4	1.2	56.8	54.5
Chile	678	47.7	28.2	7.4	47.7	13.1	1.5	2.0	48.1	47.4
Chinese Taipei	616	67.6	13.2	6.7	67.6	10.6	1.9	0.0	66.8	68.3
Croatia	563	54.7	23.2	5.3	54.7	9.5	7.0	0.2	55.1	54.3
Cyprus	596	44.3	30.4	8.4	44.3	12.2	3.5	1.2	44.0	44.6
Czech Republic	747	55.1	10.3	11.2	55.1	18.2	5.2	0.0	57.7	52.0
Denmark	528	43.7	31.6	9.3	43.7	6.9	7.3	1.3	41.6	45.6
England	574	58.8	26.3	4.0	58.8	7.2	3.7	0.0	56.5	60.9
Finland	718	52.1	24.8	7.1	52.1	8.1	7.8	0.1	53.3	50.9
France	685	50.1	26.8	7.6	50.1	6.2	7.5	1.7	55.7	45.2
Georgia	563	19.3	49.5	5.6	19.3	18.4	3.8	3.4	13.6	24.6
Germany	569	56.2	13.2	5.8	56.2	8.3	16.0	0.5	54.4	57.8
Hong Kong SAR	513	60.1	23.5	7.8	60.1	8.3	0.3	0.0	56.3	63.3
Hungary	713	40.1	25.9	6.9	40.1	6.3	20.1	0.7	43.4	36.9
Indonesia	574	28.7	29.1	20.8	28.7	21.0	0.1	0.3	27.3	30.0
Iran, Islamic Rep. of	546	18.1	43.3	22.0	18.1	11.1	4.7	0.8	21.9	14.0
Ireland	621	53.2	30.0	3.8	53.2	9.3	3.3	0.4	51.9	54.4
Italy	613	71.2	10.4	5.7	71.2	5.4	6.9	0.5	70.4	71.8
Japan	621	77.2	10.0	7.1	77.2	1.5	3.8	0.3	75.3	79.0
Kazakhstan	668	65.4	16.9	7.5	65.4	8.8	1.1	0.4	66.6	64.2
Korea, Rep. of	666	61.9	29.6	2.5	61.9	4.5	1.4	0.0	63.3	60.5
Kuwait	503	29.6	32.8	18.3	29.6	8.3	8.0	3.0	29.3	30.0
Lithuania	655	57.1	16.8	6.3	57.1	12.2	7.1	0.6	59.7	54.4
Morocco	720	25.8	25.8	27.7	25.8	14.0	4.6	2.1	22.2	29.3
Netherlands	634	55.7	19.6	8.2	55.7	10.3	6.0	0.2	54.7	56.6
New Zealand	913	47.7	32.2	6.2	47.7	9.2	3.5	1.1	50.0	45.7
Northern Ireland	442	55.4	25.5	5.0	55.4	10.1	4.0	0.0	58.5	52.2
Norway	618	47.0	25.6	5.6	47.0	10.5	10.9	0.3	45.7	48.4
Oman	1295	43.5	29.8	13.5	43.5	10.6	2.4	0.2	45.9	41.3
Poland	687	66.7	14.9	4.2	66.7	8.6	5.6	0.1	72.5	61.3
Portugal	672	65.7	17.9	4.1	65.7	7.9	4.1	0.3	66.4	64.9
Qatar	743	41.2	31.4	10.3	41.2	11.8	4.2	1.1	40.7	41.6
Russian Federation	702	59.1	26.4	3.2	59.1	4.9	5.5	0.8	59.2	59.1
Saudi Arabia	620	33.7	32.4	19.8	33.7	10.6	2.6	1.0	38.3	29.3
Serbia	566	55.2	24.8	5.9	55.2	5.7	7.9	0.5	57.9	52.4
Singapore	936	55.7	38.4	2.7	55.7	3.0	0.0	0.1	55.3	56.1
Slovak Republic	831	53.0	27.2	4.7	53.0	10.0	4.6	0.4	54.5	51.6
Slovenia	643	55.3	27.2	6.2	55.3	6.6	4.5	0.3	58.1	52.4
Spain	1090	59.1	24.7	6.4	59.1	3.6	5.8	0.4	63.5	55.2
Sweden	574	46.1	27.8	8.0	46.1	8.1	9.8	0.2	51.7	40.7
Turkey	924	59.6	28.3	4.4	59.6	6.5	0.8	0.4	62.6	56.9
United Arab Emirates	3032	40.2	34.5	11.8	40.2	10.5	2.7	0.2	39.4	41.0
United States	1434	50.0	29.6	7.1	50.0	10.3	2.4	0.5	49.0	51.1
International Avg (n=47)	36164	50.5	26.2	8.5	50.5	9.1	5.0	0.7	51.4	49.6
Buenos Aires, Argentina	453	42.2	22.5	6.9	42.2	6.7	18.7	3.0	40.1	44.2
Ontario, Canada	653	55.5	29.1	6.2	55.5	6.4	1.4	1.3	56.2	54.7
Quebec, Canada	384	61.7	23.6	7.6	61.7	6.2	0.8	0.1	62.9	60.2
Norway (4)	594	46.1	23.6	6.3	46.1	8.1	15.0	0.8	45.4	46.7
Abu Dhabi, UAE	717	33.8	36.4	13.7	33.8	12.9	2.8	0.5	36.6	31.8
Dubai, UAE	1063	47.9	36.3	6.8	47.9	7.0	1.8	0.2	48.5	47.3
Florida, US	282	45.2	34.2	7.0	45.2	11.1	1.7	0.8	50.8	39.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S07_04 (S041070): Physical Science / Applying Type: MC Key: A
Label: Why shadow forms

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	62.1	62.1	10.3	15.9	8.9	1.9	0.8	56.9	66.7
Bahrain	592	25.9	25.9	29.3	10.4	29.9	2.7	1.8	24.6	27.3
Belgium (Flemish)	767	45.1	45.1	11.9	19.5	22.3	1.2	0.0	39.8	50.6
Bulgaria	606	40.3	40.3	13.9	11.3	30.2	3.9	0.4	38.8	41.6
Canada	1767	59.9	59.9	10.7	11.7	14.3	1.7	1.7	57.0	63.0
Chile	678	64.0	64.0	13.6	11.3	6.8	2.1	2.3	63.6	64.5
Chinese Taipei	616	68.6	68.6	18.8	4.9	7.3	0.4	0.0	65.0	72.1
Croatia	563	34.4	34.4	10.6	28.5	24.5	1.8	0.2	27.4	42.0
Cyprus	596	62.6	62.6	11.6	9.7	12.7	1.8	1.5	59.9	65.2
Czech Republic	747	56.6	56.6	11.1	3.8	26.5	1.5	0.6	52.8	61.2
Denmark	528	52.6	52.6	8.0	12.5	23.0	2.2	1.6	47.4	57.1
England	574	70.5	70.5	10.4	10.0	8.1	0.9	0.1	67.8	73.1
Finland	718	51.7	51.7	12.9	10.3	23.4	1.6	0.1	48.8	54.5
France	685	34.3	34.3	13.0	26.1	23.1	1.1	2.3	32.6	35.9
Georgia	563	29.2	29.2	24.3	26.8	13.5	1.8	4.4	24.0	34.0
Germany	569	60.9	60.9	10.6	7.4	17.8	2.6	0.7	59.2	62.5
Hong Kong SAR	513	56.4	56.4	8.3	5.3	30.0	0.0	0.0	52.2	59.9
Hungary	713	66.8	66.8	12.0	10.4	8.4	1.1	1.3	61.6	71.7
Indonesia	574	46.6	46.6	30.5	10.4	11.5	0.7	0.3	39.6	52.7
Iran, Islamic Rep. of	546	47.8	47.8	19.3	10.2	18.6	3.1	0.9	47.5	48.1
Ireland	621	64.3	64.3	10.1	15.6	8.4	1.0	0.6	59.2	68.6
Italy	613	45.2	45.2	18.4	13.3	20.1	2.5	0.5	40.8	49.1
Japan	621	78.2	78.2	10.2	6.3	4.8	0.2	0.3	75.5	80.7
Kazakhstan	668	62.0	62.0	12.2	9.1	14.7	1.3	0.7	59.2	64.7
Korea, Rep. of	666	78.2	78.2	15.1	1.6	4.9	0.2	0.0	74.2	82.2
Kuwait	503	30.5	30.5	24.3	13.0	19.5	9.4	3.4	26.7	34.5
Lithuania	655	67.3	67.3	6.8	10.9	13.6	0.8	0.6	65.8	68.8
Morocco	721	34.0	34.0	16.1	18.8	23.6	4.8	2.7	37.1	30.8
Netherlands	634	64.3	64.3	6.2	10.0	18.1	1.0	0.4	56.0	72.5
New Zealand	913	61.4	61.4	10.5	13.9	10.5	2.1	1.6	60.0	62.6
Northern Ireland	440	64.5	64.5	10.4	16.9	8.2	0.0	0.0	60.7	68.6
Norway	618	49.5	49.5	8.4	16.2	23.9	1.4	0.7	43.8	55.3
Oman	1299	27.8	27.8	20.6	19.0	29.1	3.1	0.4	28.4	27.2
Poland	687	47.2	47.2	16.7	17.8	16.6	1.7	0.1	40.6	53.2
Portugal	672	49.8	49.8	23.0	10.3	15.2	1.3	0.4	43.4	56.7
Qatar	743	34.6	34.6	24.1	13.1	22.9	3.9	1.5	30.9	38.1
Russian Federation	702	67.0	67.0	4.0	13.0	14.2	0.6	1.1	67.3	66.7
Saudi Arabia	620	19.9	19.9	25.3	19.9	28.0	5.4	1.5	16.1	23.5
Serbia	566	46.1	46.1	17.1	16.1	18.2	2.0	0.5	38.6	53.8
Singapore	936	89.3	89.3	7.1	1.6	1.9	0.0	0.1	89.6	88.9
Slovak Republic	831	59.3	59.3	12.7	15.6	10.5	1.5	0.4	54.6	63.8
Slovenia	643	51.5	51.5	34.9	6.0	5.4	1.9	0.4	42.8	60.6
Spain	1090	52.6	52.6	20.0	8.5	16.6	1.3	1.0	47.3	57.3
Sweden	574	57.2	57.2	8.7	10.7	19.1	3.3	1.0	52.6	62.3
Turkey	924	47.1	47.1	24.7	11.5	14.8	1.4	0.5	42.5	51.6
United Arab Emirates	3032	44.2	44.2	19.3	12.1	21.7	2.5	0.2	43.3	45.1
United States	1434	65.7	65.7	9.5	12.7	9.0	2.2	1.0	62.8	68.7
International Avg (n=47)	36209	53.1	53.1	15.0	12.6	16.5	1.9	0.9	49.5	56.6
Buenos Aires, Argentina	453	54.3	54.3	11.8	9.3	9.2	10.9	4.5	51.8	56.7
Ontario, Canada	662	61.6	61.6	11.2	11.8	11.8	1.4	2.2	58.4	65.0
Quebec, Canada	404	49.8	49.8	11.1	15.3	21.7	2.1	0.1	46.4	53.4
Norway (4)	594	45.8	45.8	11.9	17.3	21.1	1.6	2.3	41.5	49.6
Abu Dhabi, UAE	717	34.1	34.1	22.8	13.7	26.3	2.6	0.5	31.9	35.8
Dubai, UAE	1063	58.5	58.5	16.7	9.3	13.4	1.9	0.2	59.3	57.6
Florida, US	282	59.3	59.3	9.6	19.4	9.5	1.4	0.8	53.2	65.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S07_05 (S041006): Life Science / Applying Type: CR 2 Points
 Label: A tree and lion are living

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	21.8	42.8	30.2	64.6	21.8	4.3	0.8	24.1	19.8
Bahrain	592	19.4	29.1	39.4	48.5	19.4	10.3	1.8	23.9	14.9
Belgium (Flemish)	767	11.6	36.3	44.0	48.0	11.6	8.1	0.0	11.8	11.5
Bulgaria	606	37.1	34.4	14.8	71.5	37.1	13.1	0.6	38.6	35.7
Canada	1769	19.1	45.1	28.8	64.2	19.1	5.2	1.8	20.5	17.7
Chile	678	16.9	37.9	35.5	54.7	16.9	7.2	2.6	18.3	15.3
Chinese Taipei	616	20.7	38.1	31.7	58.8	20.7	9.5	0.0	21.5	20.0
Croatia	563	43.7	35.5	14.6	79.2	43.7	6.0	0.2	46.6	40.5
Cyprus	596	15.6	34.1	33.7	49.6	15.6	14.6	2.0	15.6	15.6
Czech Republic	747	30.2	36.1	21.1	66.3	30.2	11.9	0.7	31.8	28.3
Denmark	528	10.7	32.9	45.3	43.7	10.7	9.4	1.6	7.2	13.9
England	574	23.6	45.3	26.6	68.9	23.6	4.4	0.1	22.3	24.8
Finland	718	12.8	46.7	33.9	59.5	12.8	6.6	0.1	12.8	12.7
France	685	13.9	27.5	38.0	41.5	13.9	18.2	2.3	12.1	15.5
Georgia	563	23.8	26.2	35.0	50.0	23.8	10.6	4.4	24.0	23.6
Germany	569	10.8	29.6	44.0	40.3	10.8	14.5	1.2	9.7	11.7
Hong Kong SAR	513	32.0	35.6	28.1	67.6	32.0	4.3	0.0	25.9	37.1
Hungary	713	22.2	35.6	34.6	57.8	22.2	6.3	1.3	25.4	19.1
Indonesia	574	5.2	24.3	62.9	29.6	5.2	7.3	0.3	7.6	3.2
Iran, Islamic Rep. of	546	21.9	23.1	34.2	45.0	21.9	19.8	1.0	22.9	20.8
Ireland	621	16.7	43.5	35.3	60.2	16.7	3.9	0.6	19.5	14.4
Italy	612	28.2	36.0	29.0	64.2	28.2	5.8	1.0	27.3	29.1
Japan	621	17.9	40.3	36.1	58.2	17.9	5.4	0.3	15.2	20.5
Kazakhstan	668	19.7	39.4	37.6	59.2	19.7	2.5	0.7	23.6	16.3
Korea, Rep. of	666	17.4	48.4	33.0	65.8	17.4	1.1	0.0	14.2	20.7
Kuwait	503	10.9	16.7	35.6	27.6	10.9	33.3	3.6	12.8	8.9
Lithuania	655	15.8	32.4	41.6	48.3	15.8	9.5	0.6	17.4	14.3
Morocco	721	14.4	10.0	51.3	24.4	14.4	21.1	3.1	17.2	11.7
Netherlands	634	8.9	36.0	50.2	44.9	8.9	4.3	0.7	8.4	9.4
New Zealand	913	16.2	38.0	39.8	54.2	16.2	4.3	1.7	15.5	16.8
Northern Ireland	444	17.7	39.8	39.0	57.5	17.7	3.3	0.2	14.4	21.2
Norway	618	16.3	42.1	36.1	58.4	16.3	4.6	0.8	17.5	15.1
Oman	1302	25.2	21.7	42.3	46.8	25.2	10.4	0.5	29.3	21.1
Poland	687	21.5	30.8	37.1	52.3	21.5	10.5	0.1	26.3	17.2
Portugal	672	19.3	34.6	36.3	53.9	19.3	9.0	0.8	21.0	17.5
Qatar	743	16.0	25.9	44.0	41.9	16.0	12.6	1.6	15.3	16.7
Russian Federation	702	36.8	30.9	23.7	67.7	36.8	7.4	1.1	42.5	31.2
Saudi Arabia	620	10.9	21.7	39.3	32.6	10.9	26.4	1.7	14.8	7.1
Serbia	566	42.6	28.3	16.6	71.0	42.6	11.8	0.6	43.9	41.3
Singapore	936	78.7	13.5	6.9	92.2	78.7	0.7	0.1	80.9	76.6
Slovak Republic	831	31.2	32.3	25.3	63.5	31.2	10.8	0.4	32.7	29.7
Slovenia	643	23.8	39.5	26.9	63.3	23.8	9.3	0.5	23.8	23.7
Spain	1090	18.1	33.0	38.4	51.1	18.1	9.4	1.0	18.0	18.2
Sweden	574	16.4	46.2	27.1	62.6	16.4	9.2	1.1	16.2	16.6
Turkey	924	19.4	32.2	43.4	51.6	19.4	4.4	0.5	20.3	18.6
United Arab Emirates	3031	21.6	27.2	38.2	48.8	21.6	12.7	0.3	23.2	20.2
United States	1434	18.5	50.6	28.3	69.1	18.5	1.6	1.0	19.3	17.7
International Avg (n=47)	36216	21.6	33.8	34.4	55.3	21.6	9.3	1.0	22.4	20.7
Buenos Aires, Argentina	453	15.0	24.4	24.3	39.4	15.0	31.3	5.0	19.2	11.1
Ontario, Canada	662	19.2	47.7	25.9	66.9	19.2	4.8	2.4	21.3	17.1
Quebec, Canada	404	18.2	38.8	36.2	57.0	18.2	6.7	0.1	18.8	17.7
Norway (4)	594	13.2	31.6	42.5	44.8	13.2	10.4	2.3	12.8	13.6
Abu Dhabi, UAE	717	13.9	25.4	46.1	39.3	13.9	14.0	0.5	15.1	13.1
Dubai, UAE	1063	33.0	32.7	28.5	65.7	33.0	5.6	0.2	36.3	29.6
Florida, US	282	27.7	48.1	22.3	75.8	27.7	1.1	0.8	27.5	27.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
 Because of missing gender information, some totals may appear inconsistent.

S07_06 (S041052): Physical Science / Knowing Type: MC Key: B
Label: Which one is a solid

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	83.5	6.0	83.5	4.5	4.0	1.1	0.9	80.4	86.2
Bahrain	592	78.3	8.0	78.3	3.7	5.2	2.7	2.1	87.2	69.4
Belgium (Flemish)	767	32.4	25.5	32.4	25.6	9.9	6.2	0.3	28.1	36.9
Bulgaria	606	92.2	3.4	92.2	1.4	1.5	0.7	0.7	95.2	89.4
Canada	1762	83.5	4.5	83.5	3.4	4.9	1.6	2.1	83.4	83.7
Chile	678	71.7	10.0	71.7	5.5	8.4	1.2	3.3	68.0	75.4
Chinese Taipei	616	89.4	4.5	89.4	3.9	2.1	0.0	0.0	87.9	90.9
Croatia	563	85.4	6.9	85.4	5.1	1.5	0.8	0.2	85.3	85.6
Cyprus	596	72.6	6.3	72.6	11.3	6.3	1.3	2.2	72.7	72.5
Czech Republic	747	76.9	8.9	76.9	6.8	5.1	1.1	1.1	74.9	79.3
Denmark	528	55.9	13.7	55.9	10.2	14.2	3.6	2.4	54.9	56.9
England	574	88.4	4.8	88.4	3.3	1.9	1.4	0.1	86.1	90.5
Finland	718	71.7	11.2	71.7	8.8	5.4	2.7	0.2	75.4	68.2
France	685	85.6	3.8	85.6	4.6	2.3	1.4	2.3	86.2	85.0
Georgia	563	75.4	6.4	75.4	5.7	5.9	1.3	5.2	75.3	75.5
Germany	569	78.2	6.6	78.2	5.9	5.0	3.0	1.2	79.8	76.8
Hong Kong SAR	513	95.5	2.5	95.5	0.7	1.2	0.2	0.0	94.9	96.0
Hungary	713	82.0	4.1	82.0	2.6	6.1	3.4	1.7	83.2	80.9
Indonesia	574	67.2	12.6	67.2	7.4	10.3	2.0	0.6	64.5	69.7
Iran, Islamic Rep. of	546	66.0	13.0	66.0	9.3	9.7	1.1	1.0	67.2	64.6
Ireland	621	75.7	10.3	75.7	4.6	8.1	0.7	0.6	69.4	81.0
Italy	613	89.3	4.4	89.3	1.6	2.3	1.4	1.0	89.4	89.2
Japan	621	89.3	5.6	89.3	1.7	2.0	1.0	0.3	91.5	87.3
Kazakhstan	668	90.1	4.3	90.1	2.0	2.3	0.6	0.7	89.9	90.4
Korea, Rep. of	666	96.1	2.9	96.1	0.6	0.3	0.1	0.0	96.2	96.1
Kuwait	503	58.5	12.9	58.5	8.0	8.4	7.9	4.3	63.5	53.2
Lithuania	564	92.3	2.4	92.3	1.3	2.9	0.5	0.5	89.3	95.3
Morocco	721	51.5	18.7	51.5	9.4	13.9	3.0	3.5	56.2	46.9
Netherlands	634	34.1	24.0	34.1	25.2	13.7	2.2	0.8	34.6	33.6
New Zealand	913	71.4	11.3	71.4	5.4	7.9	1.9	2.1	70.4	72.2
Northern Ireland	438	74.1	10.4	74.1	5.7	9.0	0.8	0.0	72.0	76.3
Norway	618	42.9	22.9	42.9	15.6	15.4	2.3	1.0	40.7	45.2
Oman	1302	69.2	14.2	69.2	7.3	6.4	2.1	0.8	70.5	68.0
Poland	687	63.6	12.1	63.6	13.1	8.8	2.4	0.1	61.2	65.8
Portugal	672	78.9	5.5	78.9	5.4	7.9	1.4	0.8	75.9	82.2
Qatar	743	72.5	11.4	72.5	6.2	5.0	2.7	2.2	72.6	72.4
Russian Federation	702	90.2	4.5	90.2	1.5	1.9	0.6	1.2	89.5	90.9
Saudi Arabia	618	67.3	13.4	67.3	8.0	7.9	1.5	2.0	76.3	58.4
Serbia	566	93.6	2.8	93.6	1.4	0.7	0.8	0.6	93.8	93.4
Singapore	936	89.1	5.4	89.1	2.8	2.2	0.4	0.1	88.0	90.2
Slovak Republic	831	78.8	10.8	78.8	3.8	5.0	0.9	0.6	74.8	82.7
Slovenia	643	91.5	3.1	91.5	1.9	1.6	1.3	0.5	93.2	89.7
Spain	1090	73.7	9.2	73.7	6.7	8.4	0.7	1.2	73.0	74.4
Sweden	574	77.3	8.1	77.3	6.0	3.3	3.9	1.3	79.6	74.9
Turkey	924	85.6	5.2	85.6	4.5	3.9	0.3	0.5	82.1	89.0
United Arab Emirates	3032	75.1	10.5	75.1	5.8	6.2	1.9	0.5	77.8	72.7
United States	1434	84.7	5.7	84.7	2.4	3.7	2.4	1.0	84.1	85.4
International Avg (n=47)	36112	76.4	8.8	76.4	6.1	5.7	1.8	1.2	76.3	76.4
Buenos Aires, Argentina	453	54.6	12.7	54.6	7.3	7.6	12.3	5.6	55.6	53.6
Ontario, Canada	661	83.0	4.2	83.0	2.7	5.9	1.6	2.6	84.8	81.6
Quebec, Canada	400	88.5	3.8	88.5	2.6	2.8	1.6	0.7	86.3	90.8
Norway (4)	594	33.7	28.7	33.7	14.5	15.8	4.2	3.1	32.5	34.8
Abu Dhabi, UAE	717	64.8	14.8	64.8	8.9	8.1	2.9	0.6	68.0	62.4
Dubai, UAE	1063	86.4	6.1	86.4	2.4	3.6	0.9	0.5	89.2	83.6
Florida, US	282	88.8	2.8	88.8	2.5	2.6	2.1	1.2	88.1	89.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S07_07 (S041301): Life Science / Applying Type: CR 1 Point
Label: Importance of drinking water

COUNTRY	N	10 %	11 %	19 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	4.6	50.5	0.2	40.8	55.3	3.0	0.9	59.2	52.0
Bahrain	592	9.8	10.5	5.2	63.3	25.4	9.2	2.1	30.6	20.3
Belgium (Flemish)	767	3.3	30.9	3.4	56.7	37.6	5.2	0.5	42.1	32.9
Bulgaria	606	4.6	24.8	11.5	42.9	40.9	15.5	0.7	44.1	37.9
Canada	1769	7.4	40.4	0.8	44.6	48.6	4.1	2.7	50.6	46.5
Chile	678	5.0	13.1	13.3	57.9	31.3	7.6	3.3	34.1	28.5
Chinese Taipei	616	33.8	9.6	0.6	50.0	44.1	5.9	0.0	42.0	46.1
Croatia	563	8.8	22.0	0.4	63.8	31.2	4.8	0.2	32.2	30.2
Cyprus	596	4.6	14.0	9.1	60.0	27.7	9.7	2.5	31.1	24.6
Czech Republic	747	3.9	24.1	0.6	59.8	28.6	10.3	1.2	31.3	25.4
Denmark	528	5.4	16.2	1.4	67.5	22.9	7.1	2.5	22.4	23.3
England	574	3.6	47.3	0.8	46.4	51.7	1.7	0.1	55.3	48.3
Finland	718	6.1	46.3	0.1	39.5	52.5	7.6	0.4	54.4	50.7
France	685	2.3	26.5	0.9	59.3	29.7	8.5	2.5	31.9	27.8
Georgia	563	4.9	3.9	3.7	70.0	12.5	12.0	5.5	12.9	12.1
Germany	569	9.4	32.6	0.4	50.9	42.5	5.3	1.2	47.1	38.3
Hong Kong SAR	513	17.1	6.5	6.7	65.2	30.3	4.5	0.0	33.6	27.7
Hungary	713	5.2	51.5	0.0	35.5	56.7	6.1	1.8	59.7	53.7
Indonesia	574	6.2	8.1	2.7	72.8	17.0	9.5	0.6	17.8	16.3
Iran, Islamic Rep. of	546	4.2	1.8	0.9	67.8	6.8	24.0	1.3	7.1	6.5
Ireland	621	2.2	52.4	0.2	42.7	54.8	1.8	0.6	58.7	51.6
Italy	610	8.3	12.8	1.0	70.0	22.0	7.0	1.0	19.3	24.5
Japan	621	14.9	41.6	0.8	36.1	57.3	6.3	0.3	60.3	54.5
Kazakhstan	668	20.9	6.9	1.3	65.7	29.1	4.5	0.7	31.6	26.9
Korea, Rep. of	666	8.8	4.7	0.1	85.2	13.5	1.2	0.1	14.0	13.0
Kuwait	503	4.8	1.6	3.1	41.0	9.4	43.9	5.7	9.7	9.1
Lithuania	655	7.8	9.1	2.7	73.1	19.6	6.4	0.9	23.6	15.6
Morocco	720	0.8	3.3	0.3	65.9	4.4	25.9	3.8	5.1	3.7
Netherlands	634	2.8	46.3	0.4	46.3	49.5	3.4	0.8	52.1	46.7
New Zealand	913	3.7	44.2	0.1	45.8	47.9	4.0	2.3	45.0	50.5
Northern Ireland	444	4.5	52.7	1.5	38.9	58.7	1.6	0.8	60.7	56.7
Norway	618	5.0	22.0	2.4	65.9	29.4	3.3	1.3	29.0	29.9
Oman	1301	4.6	3.5	7.0	68.6	15.1	15.3	1.0	17.3	13.0
Poland	687	11.7	32.9	2.8	43.5	47.4	9.0	0.1	53.1	42.3
Portugal	672	7.4	22.2	0.7	65.5	30.3	2.7	1.5	32.0	28.5
Qatar	743	5.3	8.0	1.8	67.8	15.2	14.8	2.2	14.7	15.7
Russian Federation	702	17.1	14.5	3.3	57.9	34.9	5.8	1.4	36.5	33.4
Saudi Arabia	619	3.7	4.5	0.5	60.2	8.8	29.0	2.0	14.9	2.9
Serbia	566	6.3	15.0	2.4	65.1	23.7	10.3	0.9	24.5	22.8
Singapore	936	13.7	33.1	4.9	47.1	51.6	1.2	0.1	52.5	50.8
Slovak Republic	831	2.5	26.5	1.8	60.2	30.9	8.3	0.6	31.3	30.5
Slovenia	643	5.7	21.3	3.8	63.2	30.8	5.2	0.8	29.2	32.5
Spain	1090	7.2	35.6	1.0	49.3	43.8	5.6	1.4	47.3	40.6
Sweden	574	8.7	31.0	0.0	52.6	39.7	6.2	1.5	43.1	36.4
Turkey	924	10.0	6.3	3.1	75.4	19.4	4.6	0.6	22.0	16.9
United Arab Emirates	3032	8.2	8.4	3.0	63.6	19.6	16.3	0.5	22.6	17.1
United States	1434	4.1	42.4	0.2	50.0	46.6	1.9	1.5	48.3	44.8
International Avg (n=47)	36212	7.5	23.1	2.4	57.0	32.9	8.7	1.4	34.8	31.1
Buenos Aires, Argentina	453	2.4	33.8	0.0	33.7	36.2	23.5	6.6	38.2	34.2
Ontario, Canada	662	7.9	37.4	0.8	47.4	46.1	3.5	3.1	49.9	42.2
Quebec, Canada	404	8.4	49.4	0.5	37.8	58.3	2.6	1.3	55.9	60.7
Norway (4)	593	2.6	13.4	2.1	70.8	18.1	7.6	3.5	19.2	17.1
Abu Dhabi, UAE	717	6.4	4.9	2.4	66.4	13.6	19.4	0.6	13.7	13.6
Dubai, UAE	1063	12.3	18.6	4.3	57.4	35.2	6.8	0.5	40.6	29.7
Florida, US	282	3.6	44.6	0.0	47.8	48.1	2.1	1.9	56.7	39.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S07_09 (S041033): Life Science / Applying Type: CR 1 Point
Label: Physical change- mammals in winter

COUNTRY	N	10 %	11 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	11.9	16.3	58.8	28.2	11.5	1.5	31.5	25.3
Bahrain	592	12.6	8.1	56.6	20.8	20.3	2.4	28.6	13.0
Belgium (Flemish)	767	24.1	9.9	53.1	34.0	12.2	0.7	36.1	31.8
Bulgaria	606	34.8	10.7	27.9	45.5	25.8	0.8	47.2	43.8
Canada	1769	23.1	15.3	46.9	38.5	10.8	3.9	40.9	36.1
Chile	678	6.8	3.3	67.3	10.1	17.7	4.9	11.2	9.1
Chinese Taipei	616	6.3	23.7	45.8	30.0	24.2	0.0	29.3	30.7
Croatia	563	21.8	10.7	40.1	32.5	26.9	0.6	33.7	31.2
Cyprus	596	5.1	7.2	56.3	12.3	28.2	3.2	13.7	11.0
Czech Republic	747	15.8	8.1	48.2	23.9	26.2	1.7	26.4	21.1
Denmark	528	19.9	11.1	49.2	31.0	16.3	3.4	31.8	30.2
England	574	14.7	16.2	56.4	30.8	12.4	0.3	32.3	29.4
Finland	718	28.3	10.8	47.2	39.2	12.2	1.4	45.8	32.8
France	685	13.7	8.5	43.1	22.2	31.1	3.6	25.4	19.4
Georgia	563	16.4	6.3	41.3	22.7	29.6	6.5	19.9	25.3
Germany	569	17.7	11.7	36.1	29.4	32.0	2.6	29.6	29.2
Hong Kong SAR	513	11.2	19.1	59.0	30.4	10.6	0.0	29.0	31.5
Hungary	713	25.2	4.7	46.3	29.9	20.2	3.5	26.4	33.3
Indonesia	574	1.2	0.3	86.8	1.5	10.5	1.2	0.8	2.2
Iran, Islamic Rep. of	546	1.8	2.7	47.6	4.5	44.9	3.0	4.7	4.4
Ireland	621	16.6	10.5	62.2	27.1	9.6	1.1	27.4	26.8
Italy	611	17.2	16.0	42.2	33.2	23.5	1.2	32.2	34.0
Japan	621	14.1	26.3	45.7	40.4	13.3	0.6	40.7	40.0
Kazakhstan	668	24.3	15.5	49.7	39.8	9.8	0.7	41.4	38.4
Korea, Rep. of	666	18.0	7.2	67.3	25.2	7.3	0.1	26.0	24.4
Kuwait	502	4.4	4.6	33.8	8.9	49.6	7.7	10.0	7.8
Lithuania	655	13.1	5.2	56.8	18.3	23.6	1.4	19.1	17.4
Morocco	721	2.6	1.1	49.7	3.7	41.7	5.0	4.1	3.3
Netherlands	634	20.1	15.5	52.7	35.6	10.3	1.4	39.1	32.0
New Zealand	913	11.0	12.0	63.2	23.0	10.8	3.0	25.0	21.3
Northern Ireland	444	14.9	12.1	59.9	27.0	12.3	0.8	32.9	20.9
Norway	618	32.0	8.7	48.2	40.7	9.1	2.0	45.3	35.9
Oman	1302	5.8	6.4	59.9	12.3	26.5	1.3	15.1	9.5
Poland	687	21.7	33.0	29.8	54.7	15.3	0.2	59.2	50.6
Portugal	672	3.5	13.2	64.9	16.7	14.5	3.9	14.2	19.4
Qatar	743	4.6	3.9	63.2	8.6	25.4	2.9	7.6	9.5
Russian Federation	702	25.6	11.6	48.3	37.2	12.8	1.8	38.4	36.0
Saudi Arabia	619	3.0	4.4	52.1	7.4	37.9	2.7	10.8	4.1
Serbia	566	14.8	6.5	52.0	21.3	25.4	1.3	22.0	20.6
Singapore	936	12.6	22.8	61.4	35.4	3.1	0.1	34.8	36.0
Slovak Republic	831	12.8	5.0	54.0	17.7	27.1	1.1	18.2	17.3
Slovenia	643	28.4	6.0	44.0	34.4	20.1	1.5	34.8	34.0
Spain	1090	7.5	5.5	61.1	13.0	24.3	1.6	13.6	12.5
Sweden	574	25.7	4.0	48.4	29.8	19.4	2.4	33.3	26.2
Turkey	924	11.7	4.2	62.6	16.0	20.2	1.2	15.5	16.4
United Arab Emirates	3032	7.0	9.6	55.1	16.6	27.4	0.9	17.8	15.6
United States	1434	19.9	18.3	55.0	38.2	4.7	2.1	37.5	39.0
International Avg (n=47)	36214	15.0	10.5	52.3	25.5	20.2	2.0	26.8	24.3
Buenos Aires, Argentina	453	6.6	2.4	31.8	9.0	50.9	8.3	11.2	6.9
Ontario, Canada	662	18.5	16.9	50.4	35.4	9.7	4.5	35.2	35.7
Quebec, Canada	404	34.1	15.5	41.2	49.7	7.6	1.5	55.5	43.5
Norway (4)	594	18.5	7.9	48.8	26.4	19.6	5.1	26.9	26.1
Abu Dhabi, UAE	717	5.0	8.7	53.8	13.8	30.9	1.5	13.4	14.0
Dubai, UAE	1063	12.5	13.1	56.8	25.5	17.0	0.7	28.8	22.2
Florida, US	282	16.8	18.4	58.0	35.2	3.9	2.9	34.6	35.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S07_11 (S041077): Physical Science / Applying Type: CR 1 Point
Label: Label the poles on the top magnet

COUNTRY	N	10 %	70 %	71 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	40.3	32.0	7.8	7.2	40.3	9.7	3.1	39.3	41.1
Bahrain	592	32.0	11.6	1.8	30.8	32.0	21.0	2.7	38.4	25.6
Belgium (Flemish)	767	40.7	15.5	7.3	21.5	40.7	13.9	1.1	40.2	41.2
Bulgaria	606	38.3	17.3	0.4	15.5	38.3	27.3	1.3	35.5	40.9
Canada	1769	45.0	26.3	4.4	9.4	45.0	10.0	5.0	43.1	47.0
Chile	678	17.8	27.6	6.0	19.8	17.8	22.7	6.2	14.9	20.8
Chinese Taipei	616	71.8	17.2	0.0	4.8	71.8	6.1	0.0	69.5	74.1
Croatia	563	36.0	19.2	8.3	15.8	36.0	19.7	1.0	35.1	37.1
Cyprus	596	26.6	18.8	3.0	23.5	26.6	23.3	4.9	24.0	29.1
Czech Republic	747	49.2	19.8	4.8	7.8	49.2	15.9	2.4	48.1	50.4
Denmark	528	23.2	22.8	25.5	9.6	23.2	13.1	5.8	21.5	24.7
England	574	53.1	19.9	7.7	8.4	53.1	10.3	0.7	49.6	56.4
Finland	718	54.2	23.4	0.2	9.8	54.2	10.7	1.7	57.0	51.5
France	685	25.7	15.5	3.4	16.0	25.7	32.6	6.9	26.5	25.0
Georgia	563	26.3	15.4	19.5	11.4	26.3	19.7	7.7	19.5	32.5
Germany	569	44.9	14.1	5.1	8.6	44.9	23.6	3.6	42.8	46.8
Hong Kong SAR	513	59.5	15.2	1.7	14.4	59.5	9.1	0.0	58.8	60.2
Hungary	713	47.6	19.4	4.8	12.8	47.6	11.3	4.0	48.0	47.3
Indonesia	574	16.4	16.5	1.1	46.3	16.4	18.5	1.2	14.6	18.1
Iran, Islamic Rep. of	546	33.1	14.0	13.6	16.9	33.1	18.0	4.5	31.5	34.9
Ireland	621	43.4	28.3	10.1	8.2	43.4	7.8	2.3	40.1	46.2
Italy	613	35.4	24.0	1.7	13.9	35.4	22.9	2.1	32.0	38.3
Japan	621	84.0	7.1	0.0	4.5	84.0	3.4	1.0	84.5	83.6
Kazakhstan	668	57.9	8.3	0.3	19.5	57.9	12.9	1.1	56.5	59.2
Korea, Rep. of	666	81.7	13.8	0.0	2.0	81.7	2.2	0.4	80.6	82.7
Kuwait	503	24.7	14.5	1.1	20.4	24.7	30.6	8.8	27.1	22.1
Lithuania	655	45.8	17.3	6.4	9.4	45.8	19.6	1.4	42.5	49.2
Morocco	719	17.6	9.0	0.0	37.2	17.6	29.7	6.4	18.0	17.2
Netherlands	634	42.7	17.6	7.4	19.6	42.7	10.6	2.2	42.1	43.4
New Zealand	913	35.9	25.7	8.4	13.2	35.9	13.4	3.5	37.1	34.8
Northern Ireland	444	36.9	29.5	9.6	13.5	36.9	9.5	1.1	37.7	36.1
Norway	618	45.6	20.9	2.8	13.1	45.6	14.8	2.8	48.4	42.7
Oman	1302	31.8	10.1	1.8	21.9	31.8	32.7	1.7	36.6	27.2
Poland	687	38.3	13.3	11.6	14.0	38.3	22.1	0.6	37.1	39.3
Portugal	672	35.4	21.8	5.4	12.6	35.4	18.7	6.1	31.2	40.0
Qatar	743	28.8	16.4	2.1	25.3	28.8	23.3	4.1	30.0	27.5
Russian Federation	702	67.8	12.6	1.0	9.2	67.8	7.2	2.3	66.2	69.4
Saudi Arabia	620	18.3	7.6	0.0	32.4	18.3	37.9	3.8	23.1	13.7
Serbia	566	43.2	11.2	4.1	19.2	43.2	18.8	3.6	44.8	41.6
Singapore	936	89.7	6.2	0.0	2.8	89.7	1.1	0.1	91.0	88.4
Slovak Republic	831	56.8	16.1	4.5	8.8	56.8	11.8	2.0	56.3	57.2
Slovenia	643	56.8	14.0	8.0	9.3	56.8	9.5	2.5	53.2	60.5
Spain	1090	42.7	6.9	2.9	29.9	42.7	15.1	2.5	39.4	45.7
Sweden	574	46.5	17.6	2.9	9.9	46.5	19.6	3.5	47.3	46.2
Turkey	924	37.0	13.9	0.7	27.5	37.0	18.9	1.9	37.0	37.1
United Arab Emirates	3032	39.4	18.0	2.3	13.3	39.4	25.6	1.3	40.9	38.1
United States	1434	49.5	22.7	4.5	14.0	49.5	5.9	3.5	48.7	50.3
International Avg (n=47)	36216	42.9	17.1	4.8	15.6	42.9	16.6	2.9	42.3	43.5
Buenos Aires, Argentina	453	19.6	12.0	1.7	15.7	19.6	42.2	8.9	17.6	21.4
Ontario, Canada	662	45.3	27.6	2.9	8.0	45.3	10.6	5.7	45.0	45.7
Quebec, Canada	404	44.3	22.5	6.3	14.9	44.3	9.4	2.6	40.0	48.9
Norway (4)	592	25.1	21.7	4.9	12.4	25.1	29.3	6.6	28.3	22.5
Abu Dhabi, UAE	717	33.0	14.9	2.1	14.6	33.0	33.4	2.0	33.6	32.6
Dubai, UAE	1063	52.6	20.9	2.9	9.3	52.6	13.4	1.0	53.9	51.2
Florida, US	282	57.8	20.7	2.1	11.3	57.8	4.7	3.3	59.5	56.2

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S07_12 (S041209): Earth Science / Knowing Type: MC Key: C
Label: Time Earth orbits the sun once

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	48.7	34.0	5.4	48.7	6.5	1.1	4.3	44.2	52.6
Bahrain	592	41.7	44.7	4.8	41.7	2.7	2.2	3.8	44.0	39.5
Belgium (Flemish)	767	39.5	50.2	3.1	39.5	4.0	1.3	1.8	37.5	41.6
Bulgaria	606	66.0	26.8	3.0	66.0	2.0	1.0	1.3	65.8	66.2
Canada	1767	39.7	44.0	4.7	39.7	4.8	1.2	5.7	39.5	39.8
Chile	678	30.3	46.3	5.7	30.3	8.5	1.1	8.1	25.9	34.8
Chinese Taipei	616	47.8	39.1	6.2	47.8	6.1	0.5	0.3	42.2	53.2
Croatia	563	49.5	40.7	3.0	49.5	5.3	0.3	1.2	47.6	51.6
Cyprus	596	42.1	39.4	6.7	42.1	4.0	1.1	6.7	40.2	43.9
Czech Republic	747	49.9	40.1	4.6	49.9	1.5	1.1	2.7	51.5	48.1
Denmark	528	48.5	32.7	5.8	48.5	3.5	2.3	7.2	46.2	50.6
England	574	51.9	32.2	6.3	51.9	6.2	1.8	1.7	45.2	58.3
Finland	718	46.3	27.8	6.4	46.3	15.1	2.2	2.2	44.6	48.0
France	685	46.4	35.6	2.9	46.4	6.0	1.1	8.0	44.0	48.6
Georgia	563	37.3	39.4	4.5	37.3	7.7	1.4	9.6	33.5	40.8
Germany	569	45.9	35.9	6.5	45.9	5.8	1.5	4.2	44.4	47.3
Hong Kong SAR	513	46.7	40.2	3.8	46.7	8.0	0.3	1.0	39.0	52.9
Hungary	713	49.5	38.9	2.4	49.5	3.1	0.8	5.2	48.0	50.9
Indonesia	574	11.6	66.9	9.5	11.6	10.2	0.5	1.3	11.4	11.8
Iran, Islamic Rep. of	546	46.4	38.9	5.2	46.4	2.4	1.9	5.2	43.2	49.8
Ireland	621	49.7	35.6	3.2	49.7	7.4	1.0	3.1	44.1	54.4
Italy	613	48.1	36.3	2.5	48.1	7.4	2.3	3.3	43.6	52.1
Japan	621	39.7	50.1	3.9	39.7	4.5	0.2	1.5	34.6	44.5
Kazakhstan	668	46.9	49.8	1.0	46.9	1.0	0.3	1.1	43.2	50.2
Korea, Rep. of	666	57.7	32.6	3.7	57.7	5.1	0.6	0.4	55.8	59.5
Kuwait	503	36.6	27.5	12.5	36.6	8.7	5.3	9.4	39.1	33.8
Lithuania	655	42.5	46.4	3.9	42.5	4.9	0.7	1.6	35.4	49.8
Morocco	719	13.1	57.7	10.2	13.1	9.0	2.8	7.1	13.4	12.9
Netherlands	634	46.5	38.9	5.4	46.5	4.5	1.9	2.9	43.6	49.5
New Zealand	913	36.3	41.6	6.8	36.3	7.9	2.1	5.3	34.5	37.9
Northern Ireland	436	43.6	36.6	7.2	43.6	12.1	0.4	0.0	41.5	45.7
Norway	618	56.0	33.0	5.2	56.0	0.8	1.6	3.5	52.6	59.4
Oman	1298	29.1	51.0	9.4	29.1	7.0	1.5	2.0	28.7	29.5
Poland	687	50.4	34.6	7.0	50.4	6.2	0.9	0.9	49.5	51.2
Portugal	672	48.3	33.5	5.9	48.3	5.1	0.3	6.9	42.5	54.6
Qatar	743	35.1	44.4	7.8	35.1	6.5	1.5	4.6	34.3	36.0
Russian Federation	702	55.7	36.5	2.8	55.7	1.2	1.1	2.7	55.2	56.1
Saudi Arabia	617	28.7	50.1	9.7	28.7	5.9	1.3	4.3	28.1	29.3
Serbia	566	32.5	54.3	3.4	32.5	3.7	1.8	4.2	33.7	31.3
Singapore	936	32.4	51.8	6.9	32.4	8.4	0.3	0.2	31.9	32.8
Slovak Republic	831	43.3	47.7	4.6	43.3	1.3	0.9	2.4	39.5	46.9
Slovenia	643	49.0	43.8	2.8	49.0	0.6	0.7	3.2	43.1	55.1
Spain	1090	59.4	32.9	0.8	59.4	2.8	1.2	2.8	54.8	63.5
Sweden	574	66.3	19.6	4.7	66.3	3.4	1.7	4.2	64.8	68.1
Turkey	924	41.2	47.0	4.7	41.2	4.6	0.4	2.1	40.3	42.0
United Arab Emirates	3032	40.0	41.5	7.7	40.0	6.6	2.1	2.2	39.1	40.8
United States	1434	52.8	29.9	5.1	52.8	5.7	2.5	4.0	49.9	55.8
International Avg (n=47)	36199	44.0	40.4	5.3	44.0	5.4	1.3	3.6	41.6	46.2
Buenos Aires, Argentina	453	33.1	40.2	5.7	33.1	5.0	6.2	9.8	29.2	36.8
Ontario, Canada	661	33.9	50.1	4.3	33.9	4.4	0.9	6.5	33.3	34.5
Quebec, Canada	403	52.6	34.9	4.1	52.6	4.3	1.4	2.6	53.1	51.9
Norway (4)	594	52.4	31.8	4.0	52.4	3.3	0.7	7.8	53.9	51.1
Abu Dhabi, UAE	717	34.0	43.9	9.1	34.0	9.0	1.5	2.5	32.6	35.1
Dubai, UAE	1063	53.8	33.2	5.0	53.8	4.0	2.7	1.4	56.9	50.6
Florida, US	282	53.6	32.7	4.6	53.6	2.3	3.4	3.3	53.7	53.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S07_13 (S041081): Earth Science / Knowing Type: CR 2 Points
Label: Two things make up crust

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	42.8	21.6	22.8	64.4	42.8	8.5	4.3	42.7	43.0
Bahrain	592	21.4	13.1	44.5	34.5	21.4	17.0	4.1	24.0	18.8
Belgium (Flemish)	767	38.8	27.4	19.1	66.2	38.8	12.8	1.9	33.4	44.4
Bulgaria	606	36.0	14.2	19.1	50.3	36.0	29.2	1.5	32.9	39.0
Canada	1769	29.0	32.2	22.0	61.2	29.0	10.9	5.9	29.3	28.6
Chile	678	17.6	11.7	40.3	29.3	17.6	22.3	8.2	15.0	20.2
Chinese Taipei	616	26.3	2.8	44.3	29.1	26.3	26.1	0.5	21.0	31.4
Croatia	563	33.0	15.7	23.6	48.7	33.0	26.5	1.2	29.4	37.0
Cyprus	596	26.1	8.9	23.5	34.9	26.1	34.8	6.9	21.4	30.5
Czech Republic	747	30.6	24.5	21.2	55.1	30.6	20.5	3.1	33.3	27.5
Denmark	528	38.6	29.5	14.5	68.1	38.6	9.9	7.5	34.8	42.0
England	574	25.5	35.8	23.5	61.2	25.5	13.3	1.9	27.0	23.9
Finland	718	49.9	15.0	20.2	64.9	49.9	12.7	2.2	50.9	49.0
France	685	12.7	20.4	29.1	33.1	12.7	29.5	8.3	12.7	12.7
Georgia	563	13.3	9.0	29.9	22.3	13.3	37.6	10.2	9.1	17.1
Germany	569	40.1	20.2	13.1	60.3	40.1	22.2	4.4	34.4	45.3
Hong Kong SAR	513	31.7	28.4	31.1	60.0	31.7	7.8	1.0	27.2	35.3
Hungary	713	31.0	20.8	23.2	51.8	31.0	19.6	5.4	27.9	33.9
Indonesia	574	3.4	6.2	77.0	9.6	3.4	12.1	1.3	3.1	3.6
Iran, Islamic Rep. of	546	5.7	8.8	49.8	14.4	5.7	30.5	5.3	2.8	8.7
Ireland	621	44.5	25.5	17.4	70.0	44.5	9.5	3.1	40.5	48.0
Italy	611	21.9	25.7	23.0	47.6	21.9	26.0	3.4	18.8	24.6
Japan	621	29.0	24.0	32.0	53.0	29.0	13.4	1.7	26.6	31.2
Kazakhstan	668	21.5	41.3	25.1	62.7	21.5	11.1	1.1	20.1	22.7
Korea, Rep. of	666	29.4	23.7	36.7	53.1	29.4	9.9	0.4	25.3	33.5
Kuwait	501	12.3	7.6	31.1	19.9	12.3	39.4	9.6	14.4	10.1
Lithuania	655	32.3	17.1	22.5	49.5	32.3	26.5	1.6	36.6	28.0
Morocco	706	5.1	7.6	53.2	12.7	5.1	27.4	6.7	6.1	4.0
Netherlands	634	38.6	28.0	21.9	66.6	38.6	8.4	3.1	36.5	40.5
New Zealand	913	36.7	24.4	24.6	61.1	36.7	8.8	5.4	33.3	39.7
Northern Ireland	444	37.4	25.4	24.8	62.8	37.4	11.1	1.3	40.6	34.1
Norway	618	52.3	24.2	11.0	76.5	52.3	8.3	4.2	52.9	51.6
Oman	1302	19.5	13.3	52.9	32.8	19.5	12.1	2.2	23.5	15.6
Poland	687	25.5	23.8	23.5	49.3	25.5	26.3	0.9	29.8	21.6
Portugal	672	27.1	19.4	22.3	46.4	27.1	24.3	6.9	24.2	30.1
Qatar	743	15.0	14.3	45.0	29.3	15.0	21.0	4.8	16.3	13.8
Russian Federation	702	36.9	34.1	14.3	71.0	36.9	11.6	3.1	38.4	35.4
Saudi Arabia	620	13.8	8.6	36.9	22.3	13.8	36.1	4.7	20.3	7.4
Serbia	566	24.4	18.8	20.9	43.2	24.4	31.2	4.7	22.8	26.1
Singapore	936	30.0	27.2	35.8	57.2	30.0	6.8	0.2	28.2	31.8
Slovak Republic	831	17.8	10.5	51.8	28.3	17.8	17.4	2.5	15.1	20.5
Slovenia	643	32.5	17.7	22.0	50.2	32.5	24.6	3.2	23.9	41.5
Spain	1090	25.7	14.8	32.0	40.5	25.7	24.6	2.9	24.9	26.4
Sweden	574	37.7	27.8	16.3	65.6	37.7	13.7	4.4	34.4	41.4
Turkey	924	29.7	35.0	22.8	64.8	29.7	10.3	2.1	28.3	31.1
United Arab Emirates	3032	17.1	15.9	45.8	33.0	17.1	18.7	2.4	17.1	17.2
United States	1434	40.5	27.8	23.8	68.3	40.5	3.6	4.2	39.0	42.1
International Avg (n=47)	36199	27.8	20.2	29.4	48.0	27.8	18.8	3.7	26.6	29.0
Buenos Aires, Argentina	453	8.9	4.4	15.6	13.3	8.9	60.4	10.7	9.7	8.1
Ontario, Canada	662	29.7	31.6	20.9	61.4	29.7	11.1	6.6	27.3	31.9
Quebec, Canada	404	25.2	33.4	28.1	58.5	25.2	10.4	2.9	28.9	21.3
Norway (4)	594	41.9	22.2	13.2	64.1	41.9	14.7	8.0	36.3	46.6
Abu Dhabi, UAE	717	12.7	14.2	51.3	26.9	12.7	19.2	2.6	12.5	12.9
Dubai, UAE	1063	27.7	22.4	35.5	50.2	27.7	12.6	1.7	28.1	27.3
Florida, US	282	35.5	27.9	29.9	63.5	35.5	3.3	3.3	36.4	34.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S07_14 (S041102): Earth Science / Applying Type: MC Key: C
Label: In which place will it snow

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	66.2	8.1	14.1	66.2	4.2	2.6	4.7	66.2	66.2
Bahrain	592	39.8	29.5	15.0	39.8	4.2	6.8	4.7	42.7	36.9
Belgium (Flemish)	767	86.5	1.8	5.0	86.5	1.0	3.4	2.4	86.9	86.1
Bulgaria	606	78.1	7.6	5.5	78.1	4.0	1.8	2.9	78.7	77.6
Canada	1738	73.6	8.0	6.7	73.6	2.3	2.1	7.3	73.3	73.9
Chile	678	58.0	21.4	7.9	58.0	2.5	1.1	9.1	57.7	58.3
Chinese Taipei	616	68.0	4.1	24.0	68.0	2.3	0.8	0.9	62.1	73.6
Croatia	563	84.9	4.9	5.4	84.9	1.5	1.3	2.0	87.8	81.8
Cyprus	596	71.2	7.2	7.3	71.2	2.6	3.1	8.7	73.1	69.4
Czech Republic	747	81.4	5.4	3.9	81.4	2.9	2.7	3.7	81.9	80.8
Denmark	528	73.0	5.5	7.4	73.0	1.2	3.9	9.0	70.2	75.4
England	574	72.9	6.5	12.9	72.9	2.5	2.5	2.6	71.4	74.4
Finland	718	84.5	4.7	4.6	84.5	2.3	1.3	2.5	88.2	81.0
France	685	66.4	7.1	8.7	66.4	2.2	5.4	10.1	68.3	64.7
Georgia	563	47.5	15.4	14.3	47.5	9.4	1.3	12.1	45.3	49.6
Germany	569	61.1	5.7	7.9	61.1	9.9	8.5	6.9	62.7	59.6
Hong Kong SAR	513	75.5	1.3	20.4	75.5	0.9	0.8	1.0	71.1	79.2
Hungary	713	73.3	4.8	6.8	73.3	2.7	5.1	7.4	71.0	75.4
Indonesia	574	24.9	29.0	29.8	24.9	13.1	0.7	2.5	24.7	25.1
Iran, Islamic Rep. of	546	29.6	38.6	13.5	29.6	6.9	4.6	6.7	27.8	31.6
Ireland	621	77.6	5.7	8.0	77.6	2.4	1.9	4.4	75.9	79.1
Italy	613	68.7	10.6	8.8	68.7	2.9	4.5	4.5	65.5	71.4
Japan	621	85.5	3.7	6.3	85.5	0.7	1.5	2.2	83.5	87.4
Kazakhstan	668	67.6	12.6	11.3	67.6	6.7	0.4	1.4	71.4	64.1
Korea, Rep. of	666	78.8	3.8	15.3	78.8	1.0	0.7	0.4	74.6	83.0
Kuwait	501	30.1	23.5	17.0	30.1	9.9	6.6	12.9	31.9	28.2
Lithuania	655	77.3	8.0	9.0	77.3	2.5	1.0	2.3	75.1	79.5
Morocco	707	37.9	17.8	19.6	37.9	9.9	6.7	8.2	38.7	37.1
Netherlands	634	80.7	2.6	8.9	80.7	1.9	2.4	3.6	81.1	80.2
New Zealand	913	61.7	13.7	11.7	61.7	3.6	3.6	5.8	60.4	62.9
Northern Ireland	430	81.2	5.2	10.3	81.2	1.8	1.4	0.0	79.9	82.7
Norway	618	80.3	2.6	7.9	80.3	1.2	3.2	4.7	80.8	79.9
Oman	1292	42.3	30.9	13.5	42.3	8.7	2.0	2.5	43.8	40.9
Poland	687	81.6	3.7	9.5	81.6	1.4	2.8	1.0	80.7	82.3
Portugal	672	68.1	10.6	6.2	68.1	2.7	4.3	8.1	63.5	73.1
Qatar	743	45.7	21.8	17.9	45.7	6.8	2.0	5.9	43.0	48.4
Russian Federation	702	73.3	3.1	16.1	73.3	2.3	1.8	3.5	74.9	71.7
Saudi Arabia	616	39.9	28.9	16.0	39.9	7.9	1.7	5.6	39.8	39.9
Serbia	566	71.5	4.6	12.8	71.5	0.9	3.5	6.7	74.1	68.9
Singapore	936	62.6	7.8	25.0	62.6	3.3	0.6	0.7	61.6	63.6
Slovak Republic	831	78.3	5.5	7.9	78.3	3.1	2.0	3.3	74.1	82.3
Slovenia	643	78.0	7.2	6.7	78.0	0.5	3.5	4.1	77.7	78.4
Spain	1090	73.9	10.8	4.4	73.9	2.3	3.5	5.2	72.9	74.8
Sweden	574	69.0	5.7	10.3	69.0	0.2	8.7	6.0	73.0	65.3
Turkey	923	57.4	16.5	15.1	57.4	7.5	1.1	2.3	53.7	61.0
United Arab Emirates	3032	52.2	21.2	16.8	52.2	4.2	2.5	3.1	51.8	52.5
United States	1434	67.5	11.2	11.7	67.5	2.7	2.4	4.5	64.0	71.1
International Avg (n=47)	36142	66.1	11.0	11.6	66.1	3.8	2.9	4.7	65.5	66.6
Buenos Aires, Argentina	453	46.5	14.2	8.5	46.5	2.5	10.2	18.1	41.0	51.7
Ontario, Canada	657	72.1	7.0	8.2	72.1	2.4	2.2	8.1	74.2	69.9
Quebec, Canada	389	82.0	7.4	3.4	82.0	2.2	1.1	3.9	78.0	86.5
Norway (4)	594	65.9	6.2	11.2	65.9	2.6	4.5	9.6	68.0	64.1
Abu Dhabi, UAE	717	44.5	24.6	19.1	44.5	5.8	2.7	3.3	43.7	45.1
Dubai, UAE	1063	63.9	13.9	16.5	63.9	2.4	1.3	2.1	62.9	64.9
Florida, US	282	63.3	10.9	15.2	63.3	4.5	2.8	3.3	61.3	65.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S08_01 (S061141): Life Science / Knowing Type: MC Key: B
Label: Plant produces seeds

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	50.2	4.8	50.2	8.8	35.2	1.0	0.1	49.7	50.7
Bahrain	599	51.6	8.0	51.6	8.9	29.5	1.8	0.1	56.0	47.6
Belgium (Flemish)	769	47.3	6.2	47.3	9.2	36.2	1.0	0.1	46.6	48.1
Bulgaria	617	52.9	7.4	52.9	10.8	27.7	0.8	0.4	52.4	53.5
Canada	1775	48.0	8.5	48.0	9.6	32.3	1.2	0.3	46.1	50.1
Chile	674	47.5	5.6	47.5	8.3	36.5	1.0	1.1	49.2	46.0
Chinese Taipei	611	72.9	4.1	72.9	13.3	9.6	0.0	0.0	73.3	72.5
Croatia	569	56.7	7.5	56.7	10.9	24.2	0.5	0.2	61.3	52.0
Cyprus	594	22.4	7.5	22.4	31.7	36.4	1.6	0.3	24.5	20.5
Czech Republic	742	68.4	3.3	68.4	3.7	24.1	0.4	0.0	66.7	70.3
Denmark	536	46.2	9.4	46.2	6.9	34.9	1.7	0.9	49.3	43.3
England	568	53.7	4.0	53.7	12.6	29.2	0.3	0.1	52.6	55.0
Finland	708	70.7	5.1	70.7	4.3	18.5	1.4	0.0	74.5	67.0
France	688	29.2	3.0	29.2	11.3	54.3	1.5	0.8	31.4	27.0
Georgia	564	46.8	2.1	46.8	8.9	40.9	0.7	0.7	49.7	43.9
Germany	561	65.3	1.7	65.3	6.1	25.1	1.9	0.0	59.3	70.6
Hong Kong SAR	515	62.4	5.5	62.4	16.1	15.3	0.7	0.0	62.7	62.2
Hungary	719	77.1	1.3	77.1	4.2	15.7	1.3	0.4	78.3	75.9
Indonesia	578	55.3	9.0	55.3	11.9	21.7	1.4	0.7	55.4	55.3
Iran, Islamic Rep. of	545	32.7	21.2	32.7	14.5	28.5	2.7	0.6	33.5	31.8
Ireland	623	37.2	5.7	37.2	12.0	44.2	0.6	0.3	33.1	40.6
Italy	627	70.1	2.6	70.1	11.2	15.1	0.7	0.3	72.4	68.0
Japan	630	76.4	2.9	76.4	5.7	14.9	0.2	0.0	76.3	76.6
Kazakhstan	673	71.5	4.1	71.5	3.7	20.6	0.1	0.0	73.5	69.6
Korea, Rep. of	662	67.8	6.0	67.8	7.1	19.1	0.0	0.0	67.8	67.8
Kuwait	501	36.1	11.5	36.1	13.8	32.5	4.3	1.8	36.8	35.8
Lithuania	662	58.3	1.9	58.3	5.2	33.8	0.9	0.0	60.2	56.2
Morocco	721	49.2	5.1	49.2	12.3	31.0	1.5	0.8	52.2	46.4
Netherlands	639	42.5	6.9	42.5	10.7	39.2	0.5	0.3	44.6	40.0
New Zealand	914	50.3	5.0	50.3	8.8	34.0	1.4	0.6	50.9	49.7
Northern Ireland	442	39.8	5.3	39.8	10.9	43.6	0.4	0.0	39.4	40.3
Norway	611	45.0	5.5	45.0	11.1	38.0	0.3	0.1	47.4	42.8
Oman	1302	55.5	8.8	55.5	10.3	23.4	1.8	0.1	59.2	51.8
Poland	685	70.9	2.5	70.9	6.5	19.0	1.1	0.0	72.9	69.1
Portugal	667	57.8	5.2	57.8	5.7	30.7	0.5	0.0	53.7	61.8
Qatar	751	44.1	9.2	44.1	9.7	34.2	2.1	0.8	44.7	43.5
Russian Federation	698	76.6	2.3	76.6	3.6	16.4	0.8	0.3	80.6	72.6
Saudi Arabia	620	39.8	8.7	39.8	12.4	36.7	2.3	0.1	38.9	40.7
Serbia	573	65.6	3.6	65.6	4.2	26.4	0.0	0.1	68.1	63.0
Singapore	937	83.1	4.4	83.1	1.7	10.5	0.3	0.0	82.6	83.7
Slovak Republic	818	55.3	3.5	55.3	5.7	34.9	0.5	0.1	55.5	55.1
Slovenia	649	58.0	2.1	58.0	4.9	33.7	1.2	0.1	60.8	55.4
Spain	1104	57.5	4.3	57.5	7.4	30.1	0.4	0.3	59.3	55.9
Sweden	580	53.0	5.7	53.0	10.8	28.0	2.0	0.4	57.3	49.4
Turkey	931	29.0	7.0	29.0	8.2	55.0	0.6	0.1	30.2	28.0
United Arab Emirates	3026	50.2	8.1	50.2	9.8	30.3	1.5	0.1	49.9	50.4
United States	1440	62.1	5.7	62.1	6.6	24.2	1.1	0.2	62.8	61.4
International Avg (n=47)	36274	54.5	5.7	54.5	9.2	29.3	1.1	0.3	55.4	53.6
Buenos Aires, Argentina	440	35.7	3.6	35.7	9.1	39.9	6.7	5.1	35.9	35.4
Ontario, Canada	657	50.7	8.2	50.7	9.2	30.4	1.3	0.2	46.9	54.5
Quebec, Canada	401	37.0	8.0	37.0	13.1	41.6	0.2	0.0	33.4	41.0
Norway (4)	586	38.7	7.6	38.7	8.8	42.2	2.1	0.6	36.5	40.7
Abu Dhabi, UAE	713	47.3	9.2	47.3	10.4	31.3	1.7	0.1	49.0	45.9
Dubai, UAE	1075	59.7	6.0	59.7	8.0	25.3	0.9	0.1	57.9	61.4
Florida, US	282	59.6	5.9	59.6	10.0	23.2	1.2	0.0	59.6	59.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S08_02 (S061023): Life Science / Applying Type: CR 1 Point
Label: Arctic animals food chain

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	53.9	42.2	53.9	3.8	0.1	50.5	57.2
Bahrain	599	49.5	41.2	49.5	9.0	0.2	56.5	43.0
Belgium (Flemish)	769	47.4	44.5	47.4	7.9	0.1	46.4	48.6
Bulgaria	617	72.2	23.7	72.2	3.7	0.4	75.4	69.0
Canada	1778	59.0	37.2	59.0	3.4	0.4	57.3	60.7
Chile	674	43.1	47.3	43.1	8.5	1.1	42.2	43.9
Chinese Taipei	611	49.5	40.6	49.5	9.9	0.0	44.8	54.1
Croatia	569	44.7	39.5	44.7	15.5	0.2	40.4	49.2
Cyprus	594	47.2	42.6	47.2	9.8	0.3	43.1	50.8
Czech Republic	742	61.3	27.7	61.3	11.0	0.0	58.0	64.9
Denmark	536	68.5	23.9	68.5	6.5	1.1	68.4	68.6
England	568	51.9	42.7	51.9	5.3	0.1	49.3	54.8
Finland	708	50.5	42.3	50.5	7.2	0.0	52.5	48.6
France	688	50.6	37.8	50.6	10.8	0.8	47.2	53.9
Georgia	564	20.8	62.3	20.8	16.2	0.8	19.3	22.3
Germany	561	50.0	35.0	50.0	15.0	0.0	44.3	55.1
Hong Kong SAR	515	56.1	36.8	56.1	7.2	0.0	56.8	55.4
Hungary	719	54.7	41.9	54.7	3.0	0.4	51.9	57.4
Indonesia	578	25.1	67.9	25.1	6.3	0.7	26.4	24.0
Iran, Islamic Rep. of	545	13.7	65.9	13.7	19.9	0.6	13.1	14.2
Ireland	623	45.2	48.0	45.2	6.5	0.3	40.5	49.2
Italy	627	45.9	38.6	45.9	15.2	0.3	41.1	50.2
Japan	630	44.9	46.7	44.9	8.4	0.0	44.6	45.3
Kazakhstan	673	46.9	48.1	46.9	4.9	0.0	46.7	47.2
Korea, Rep. of	662	61.8	35.8	61.8	2.3	0.0	56.2	67.3
Kuwait	501	23.5	61.0	23.5	13.7	1.8	24.8	22.4
Lithuania	662	58.3	34.4	58.3	7.3	0.0	55.5	61.3
Morocco	721	33.6	58.4	33.6	7.2	0.8	34.5	32.8
Netherlands	639	44.5	46.1	44.5	9.2	0.3	45.5	43.5
New Zealand	914	47.2	47.9	47.2	4.3	0.6	45.5	48.8
Northern Ireland	445	40.5	51.0	40.5	8.5	0.0	35.7	45.3
Norway	611	63.6	30.1	63.6	6.1	0.1	65.4	61.9
Oman	1304	53.0	40.9	53.0	5.9	0.2	55.1	50.8
Poland	685	72.0	24.0	72.0	4.0	0.0	69.4	74.3
Portugal	667	54.2	39.0	54.2	6.8	0.0	52.8	55.5
Qatar	751	32.5	57.7	32.5	9.0	0.8	31.6	33.4
Russian Federation	698	78.0	19.2	78.0	2.3	0.4	74.2	81.7
Saudi Arabia	621	30.9	58.9	30.9	10.1	0.1	35.4	26.7
Serbia	573	54.4	36.6	54.4	8.9	0.1	49.4	59.7
Singapore	937	56.4	41.4	56.4	2.2	0.0	54.5	58.2
Slovak Republic	818	50.3	39.8	50.3	9.8	0.1	47.2	53.2
Slovenia	649	50.8	38.5	50.8	10.6	0.1	47.8	53.5
Spain	1104	64.2	27.2	64.2	8.3	0.3	58.2	69.4
Sweden	578	64.4	30.1	64.4	5.1	0.4	64.9	63.9
Turkey	931	21.5	68.6	21.5	9.9	0.1	18.4	24.1
United Arab Emirates	3026	40.9	52.2	40.9	6.9	0.1	42.9	39.1
United States	1440	66.5	32.1	66.5	1.2	0.3	63.9	69.1
International Avg (n=47)	36281	49.3	42.4	49.3	8.0	0.3	47.8	50.7
Buenos Aires, Argentina	440	17.8	41.7	17.8	34.7	5.9	17.4	18.2
Ontario, Canada	658	64.0	32.6	64.0	3.1	0.3	65.6	62.4
Quebec, Canada	402	56.0	40.3	56.0	3.7	0.0	54.4	57.5
Norway (4)	586	47.6	41.1	47.6	10.7	0.6	48.8	46.5
Abu Dhabi, UAE	713	37.2	56.4	37.2	6.3	0.1	39.7	35.1
Dubai, UAE	1075	57.0	39.7	57.0	3.2	0.1	57.2	56.9
Florida, US	282	65.7	32.8	65.7	1.5	0.0	57.8	73.5

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S08_03 (S061054): Life Science / Knowing Type: CR 2 Points
Label: Living thing makes its own food

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	6.0	62.3	30.3	68.3	6.0	1.2	0.2	5.5	6.5
Bahrain	599	32.6	51.0	15.0	83.6	32.6	1.0	0.5	35.5	30.0
Belgium (Flemish)	769	1.5	58.7	37.0	60.1	1.5	2.8	0.1	1.8	1.1
Bulgaria	617	27.0	57.1	15.3	84.1	27.0	0.2	0.4	28.0	26.1
Canada	1778	19.3	58.0	20.8	77.3	19.3	1.4	0.4	19.3	19.4
Chile	674	15.2	54.4	25.7	69.6	15.2	3.2	1.4	15.1	15.4
Chinese Taipei	611	5.8	67.1	26.1	72.9	5.8	1.0	0.0	5.1	6.5
Croatia	569	2.3	74.2	21.8	76.5	2.3	1.5	0.2	3.4	1.2
Cyprus	594	6.7	52.4	36.6	59.1	6.7	3.8	0.5	6.3	7.1
Czech Republic	742	6.7	73.3	17.1	80.0	6.7	2.8	0.0	5.2	8.4
Denmark	536	5.1	45.0	44.8	50.1	5.1	4.0	1.1	4.4	5.8
England	568	11.0	54.3	31.2	65.3	11.0	3.5	0.1	7.7	14.6
Finland	708	6.7	61.4	28.0	68.0	6.7	4.0	0.0	6.8	6.5
France	688	2.0	60.8	33.7	62.8	2.0	2.7	0.8	2.4	1.7
Georgia	565	3.2	41.3	47.4	44.6	3.2	7.2	0.8	2.5	4.0
Germany	561	2.0	65.2	26.4	67.2	2.0	6.4	0.0	1.9	2.1
Hong Kong SAR	515	24.1	56.6	19.2	80.7	24.1	0.1	0.0	20.0	27.5
Hungary	719	6.7	53.2	37.7	59.9	6.7	1.9	0.4	4.7	8.7
Indonesia	578	16.7	38.4	42.5	55.2	16.7	1.5	0.9	18.1	15.6
Iran, Islamic Rep. of	545	7.4	57.2	29.4	64.6	7.4	4.2	1.8	5.9	8.8
Ireland	623	6.5	55.0	35.8	61.5	6.5	1.9	0.8	4.7	8.0
Italy	626	23.2	57.6	17.0	80.8	23.2	1.8	0.3	22.2	24.2
Japan	630	6.2	48.8	43.0	55.0	6.2	2.0	0.0	5.2	7.3
Kazakhstan	673	12.0	44.9	42.6	56.9	12.0	0.3	0.2	13.3	10.6
Korea, Rep. of	662	47.6	41.0	11.2	88.6	47.6	0.2	0.0	40.1	54.8
Kuwait	500	10.1	45.2	38.0	55.3	10.1	4.9	1.8	12.5	7.7
Lithuania	662	8.2	68.7	20.9	76.9	8.2	2.2	0.0	7.0	9.5
Morocco	720	1.6	48.0	47.1	49.6	1.6	2.3	1.0	1.5	1.7
Netherlands	639	2.8	67.1	27.5	69.9	2.8	2.1	0.5	2.7	2.8
New Zealand	914	3.6	56.4	37.8	59.9	3.6	1.7	0.6	3.2	3.9
Northern Ireland	445	5.7	56.8	36.2	62.5	5.7	1.3	0.0	5.1	6.3
Norway	611	4.1	72.9	20.6	77.0	4.1	2.2	0.1	4.6	3.7
Oman	1303	15.4	52.9	28.7	68.3	15.4	2.8	0.2	17.8	13.0
Poland	685	26.7	53.6	17.6	80.3	26.7	2.1	0.0	28.1	25.4
Portugal	667	2.9	65.6	29.0	68.4	2.9	2.6	0.0	2.2	3.5
Qatar	751	18.6	43.5	34.4	62.1	18.6	2.6	0.9	19.2	18.0
Russian Federation	698	7.5	66.9	24.3	74.4	7.5	0.9	0.4	7.2	7.8
Saudi Arabia	621	12.0	46.3	37.7	58.3	12.0	3.6	0.4	17.2	7.1
Serbia	573	19.8	60.7	18.6	80.5	19.8	0.8	0.1	18.1	21.6
Singapore	937	54.5	42.8	2.6	97.3	54.5	0.1	0.0	54.5	54.5
Slovak Republic	818	5.7	59.6	30.9	65.3	5.7	3.7	0.1	6.4	5.0
Slovenia	649	8.2	65.8	21.8	74.0	8.2	4.0	0.2	6.8	9.5
Spain	1104	25.1	59.5	13.9	84.6	25.1	1.2	0.3	26.3	24.0
Sweden	580	9.0	50.0	37.0	59.0	9.0	3.6	0.4	8.0	9.9
Turkey	931	15.1	55.7	27.3	70.8	15.1	1.7	0.3	13.5	16.4
United Arab Emirates	3026	24.6	43.2	30.2	67.9	24.6	1.9	0.1	24.7	24.6
United States	1440	29.0	53.9	15.8	82.9	29.0	1.1	0.3	27.8	30.1
International Avg (n=47)	36280	13.1	55.8	28.4	68.9	13.1	2.3	0.4	12.7	13.4
Buenos Aires, Argentina	440	10.6	45.1	26.0	55.7	10.6	12.0	6.2	11.1	10.2
Ontario, Canada	658	26.4	56.1	15.9	82.5	26.4	1.2	0.5	26.9	25.9
Quebec, Canada	402	5.0	68.4	24.9	73.3	5.0	1.7	0.0	2.9	7.2
Norway (4)	586	1.8	64.1	31.7	65.9	1.8	1.7	0.6	0.3	3.2
Abu Dhabi, UAE	713	15.3	42.6	40.1	57.9	15.3	1.9	0.1	15.2	15.4
Dubai, UAE	1075	34.6	47.5	16.6	82.1	34.6	1.2	0.2	35.7	33.5
Florida, US	282	31.9	56.4	10.6	88.3	31.9	1.1	0.0	28.3	35.4

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S08_04 (S061007): Life Science / Knowing Type: MC Key: D
Label: How snakes eat

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	69.0	11.4	2.0	15.3	69.0	2.2	0.2	67.8	70.1
Bahrain	599	40.3	10.7	6.8	39.3	40.3	2.3	0.5	41.6	39.1
Belgium (Flemish)	769	63.2	11.2	4.9	19.6	63.2	1.0	0.1	63.2	63.1
Bulgaria	617	69.3	16.1	4.0	9.6	69.3	0.5	0.4	67.5	71.1
Canada	1757	69.8	10.9	3.4	14.0	69.8	1.4	0.6	69.1	70.4
Chile	674	55.3	12.9	5.8	23.2	55.3	1.2	1.6	52.1	58.2
Chinese Taipei	611	72.6	6.7	3.2	15.8	72.6	1.7	0.0	72.9	72.3
Croatia	569	63.2	14.2	6.2	11.8	63.2	4.4	0.2	61.2	65.3
Cyprus	594	55.5	14.9	7.8	19.4	55.5	1.4	0.9	54.7	56.3
Czech Republic	742	69.8	8.7	2.2	17.5	69.8	1.6	0.2	70.9	68.7
Denmark	536	80.7	6.6	0.6	9.4	80.7	1.6	1.1	83.1	78.5
England	568	64.1	10.5	4.5	17.1	64.1	3.8	0.1	66.5	61.4
Finland	708	60.6	14.2	3.8	10.4	60.6	11.0	0.0	58.6	62.5
France	688	61.1	11.7	5.5	19.0	61.1	1.9	0.8	61.7	60.6
Georgia	565	46.0	20.3	11.3	18.7	46.0	2.6	1.1	44.4	47.6
Germany	561	63.7	11.2	3.3	15.1	63.7	6.7	0.0	65.7	62.0
Hong Kong SAR	515	66.7	12.8	3.0	17.0	66.7	0.6	0.0	63.4	69.3
Hungary	719	75.7	4.0	1.0	11.8	75.7	7.0	0.5	74.5	76.8
Indonesia	578	45.7	10.7	9.4	32.3	45.7	0.9	1.1	39.0	51.2
Iran, Islamic Rep. of	545	39.8	18.6	11.0	24.5	39.8	3.8	2.2	38.7	40.9
Ireland	623	67.4	11.0	4.3	15.0	67.4	1.6	0.8	66.6	68.1
Italy	627	66.2	7.8	2.2	21.5	66.2	2.0	0.3	61.9	70.0
Japan	630	51.4	19.6	8.6	17.6	51.4	2.9	0.0	53.9	48.4
Kazakhstan	673	84.2	6.8	1.8	6.9	84.2	0.2	0.2	85.3	83.1
Korea, Rep. of	662	88.9	3.0	2.0	5.8	88.9	0.2	0.0	86.3	91.5
Kuwait	501	30.4	16.9	15.8	24.5	30.4	9.8	2.7	30.7	29.2
Lithuania	662	75.4	5.1	2.8	14.5	75.4	2.1	0.0	74.0	76.9
Morocco	720	38.2	13.5	11.4	33.2	38.2	2.3	1.4	35.1	41.2
Netherlands	638	60.7	14.4	4.8	14.9	60.7	4.6	0.5	64.1	57.1
New Zealand	914	68.5	9.9	3.9	15.4	68.5	1.5	0.7	72.4	65.0
Northern Ireland	443	70.3	9.7	3.8	13.9	70.3	2.1	0.0	72.1	68.6
Norway	611	81.0	6.6	1.5	8.7	81.0	1.9	0.1	80.7	81.3
Oman	1302	44.0	15.1	10.7	26.7	44.0	3.3	0.1	44.9	43.1
Poland	685	67.5	8.4	3.9	17.1	67.5	3.1	0.0	67.7	67.3
Portugal	667	56.4	11.4	3.1	27.8	56.4	1.1	0.2	52.9	59.9
Qatar	751	48.3	11.7	9.9	25.9	48.3	3.1	1.1	48.3	48.3
Russian Federation	698	75.9	6.0	1.1	13.9	75.9	2.7	0.4	73.7	78.1
Saudi Arabia	620	38.0	14.6	13.5	31.5	38.0	1.5	0.9	43.3	33.0
Serbia	573	82.0	4.4	3.5	8.5	82.0	1.3	0.2	77.8	86.5
Singapore	937	80.3	8.0	1.6	9.9	80.3	0.1	0.0	81.8	78.9
Slovak Republic	818	76.3	6.1	4.4	10.8	76.3	2.3	0.1	77.6	75.0
Slovenia	649	69.7	8.6	1.9	17.2	69.7	2.4	0.2	68.2	71.0
Spain	1104	62.7	8.0	2.9	24.7	62.7	1.5	0.3	62.2	63.1
Sweden	580	70.9	10.6	2.0	11.1	70.9	5.0	0.6	74.0	68.2
Turkey	931	53.4	22.5	10.0	12.8	53.4	1.0	0.3	48.2	57.8
United Arab Emirates	3026	50.7	12.2	8.5	25.9	50.7	2.5	0.1	49.8	51.5
United States	1440	76.8	9.4	2.4	8.8	76.8	2.2	0.4	74.7	78.9
International Avg (n=47)	36256	63.1	11.1	5.2	17.6	63.1	2.6	0.5	62.7	63.5
Buenos Aires, Argentina	440	46.0	12.7	1.7	18.3	46.0	14.6	6.7	47.0	45.1
Ontario, Canada	653	69.7	12.2	3.6	13.1	69.7	0.8	0.6	68.6	70.8
Quebec, Canada	393	71.0	8.2	3.0	17.5	71.0	0.3	0.0	74.8	66.8
Norway (4)	586	72.0	6.6	1.4	16.9	72.0	2.5	0.7	74.8	69.4
Abu Dhabi, UAE	713	43.3	14.4	10.4	29.6	43.3	2.1	0.1	45.4	41.6
Dubai, UAE	1075	60.4	12.0	4.6	20.2	60.4	2.6	0.2	58.9	61.8
Florida, US	282	79.3	5.7	2.1	10.7	79.3	2.1	0.0	80.6	78.1

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent.

S08_05 (S061006): Life Science / Knowing Type: CR 1 Point
Label: Ann's heart rate while running

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	77.4	17.0	77.4	4.9	0.7	72.1	82.7
Bahrain	599	52.6	32.5	52.6	14.3	0.7	57.6	48.0
Belgium (Flemish)	769	77.7	16.2	77.7	6.0	0.1	80.0	74.9
Bulgaria	617	74.9	7.2	74.9	17.5	0.4	73.6	76.2
Canada	1778	71.5	22.2	71.5	5.3	0.9	74.0	69.1
Chile	674	67.2	16.3	67.2	14.7	1.8	64.8	69.4
Chinese Taipei	611	81.5	11.2	81.5	7.4	0.0	81.9	81.0
Croatia	569	77.7	13.7	77.7	8.4	0.2	77.8	77.5
Cyprus	594	67.6	18.3	67.6	13.0	1.0	67.0	68.1
Czech Republic	742	44.6	27.3	44.6	27.9	0.2	43.2	46.1
Denmark	536	76.6	13.6	76.6	8.5	1.3	76.5	76.7
England	568	79.9	14.8	79.9	5.1	0.1	82.2	77.5
Finland	708	81.7	9.9	81.7	8.4	0.0	85.7	78.0
France	688	63.3	17.3	63.3	18.0	1.3	62.0	64.6
Georgia	565	47.3	19.4	47.3	32.1	1.1	47.5	47.2
Germany	561	73.5	8.0	73.5	18.5	0.0	72.6	74.3
Hong Kong SAR	515	85.8	9.9	85.8	4.3	0.0	86.4	85.4
Hungary	719	82.0	8.7	82.0	8.8	0.5	81.9	82.0
Indonesia	578	29.9	56.3	29.9	12.6	1.2	33.2	27.1
Iran, Islamic Rep. of	545	53.8	20.1	53.8	23.0	3.2	52.8	54.9
Ireland	623	79.6	13.9	79.6	5.8	0.8	84.0	75.8
Italy	626	63.6	19.5	63.6	16.5	0.4	70.2	57.8
Japan	630	85.8	10.7	85.8	3.5	0.0	88.9	82.1
Kazakhstan	673	81.6	12.0	81.6	6.3	0.2	82.6	80.5
Korea, Rep. of	662	86.4	11.4	86.4	2.2	0.0	87.5	85.4
Kuwait	501	31.5	16.5	31.5	49.3	2.7	35.9	26.3
Lithuania	662	50.6	23.3	50.6	26.2	0.0	51.8	49.3
Morocco	720	19.7	44.2	19.7	34.6	1.5	20.6	18.9
Netherlands	638	73.4	22.1	73.4	3.8	0.7	74.7	72.0
New Zealand	914	68.9	24.2	68.9	6.2	0.7	71.3	66.7
Northern Ireland	445	80.3	15.7	80.3	4.0	0.0	80.1	80.5
Norway	611	81.7	12.1	81.7	6.1	0.1	84.1	79.5
Oman	1303	39.2	39.1	39.2	21.3	0.5	47.3	31.1
Poland	685	59.0	24.0	59.0	17.0	0.0	59.4	58.6
Portugal	667	77.2	15.1	77.2	7.5	0.3	76.3	78.1
Qatar	751	41.2	36.6	41.2	20.8	1.3	45.4	37.2
Russian Federation	698	88.0	5.5	88.0	6.1	0.4	87.4	88.6
Saudi Arabia	621	30.9	33.4	30.9	34.6	1.1	40.0	22.4
Serbia	573	75.4	12.0	75.4	12.4	0.2	76.7	74.1
Singapore	937	85.4	13.4	85.4	1.2	0.0	86.7	84.2
Slovak Republic	818	69.1	15.4	69.1	15.3	0.2	66.9	71.2
Slovenia	649	86.1	7.0	86.1	6.7	0.2	86.8	85.5
Spain	1104	61.3	22.5	61.3	15.7	0.6	62.3	60.4
Sweden	580	83.3	9.6	83.3	6.4	0.8	82.8	83.6
Turkey	931	78.7	11.7	78.7	9.2	0.5	79.6	77.9
United Arab Emirates	3026	52.0	25.8	52.0	21.9	0.3	54.8	49.7
United States	1440	76.8	19.4	76.8	3.1	0.7	77.3	76.3
International Avg (n=47)	36280	67.5	18.6	67.5	13.2	0.6	68.8	66.3
Buenos Aires, Argentina	440	35.3	15.7	35.3	41.0	7.9	39.0	31.8
Ontario, Canada	658	70.9	24.5	70.9	3.5	1.1	73.6	68.3
Quebec, Canada	402	74.2	20.9	74.2	4.9	0.0	78.9	69.4
Norway (4)	586	71.4	14.2	71.4	12.8	1.6	70.8	72.0
Abu Dhabi, UAE	713	41.1	31.6	41.1	26.8	0.5	45.3	37.6
Dubai, UAE	1075	68.7	20.9	68.7	10.0	0.3	72.5	65.3
Florida, US	282	72.4	23.1	72.4	4.1	0.4	77.1	67.9

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S08_06 (S061108): Physical Science / Applying Type: MC Key: A
Label: Using object to sort cans

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	57.1	57.1	16.0	5.6	19.0	1.6	0.7	55.3	58.8
Bahrain	599	66.0	66.0	13.0	5.1	10.3	4.4	1.2	74.2	58.5
Belgium (Flemish)	769	61.4	61.4	22.2	5.4	8.1	2.8	0.1	61.3	61.5
Bulgaria	617	64.3	64.3	18.5	1.5	14.2	1.0	0.5	65.0	63.6
Canada	1768	58.9	58.9	14.8	5.1	18.8	1.4	1.0	56.7	61.0
Chile	665	53.9	53.9	20.8	4.7	15.7	2.2	2.6	54.3	53.6
Chinese Taipei	611	72.0	72.0	17.1	1.8	8.8	0.2	0.0	75.5	68.5
Croatia	569	63.2	63.2	12.8	6.7	12.0	5.0	0.2	64.3	62.1
Cyprus	594	57.0	57.0	14.7	6.8	17.6	2.5	1.5	55.8	58.1
Czech Republic	742	54.2	54.2	22.4	6.0	13.4	3.8	0.3	51.8	56.7
Denmark	536	57.7	57.7	6.5	5.8	25.5	2.6	1.9	56.4	58.9
England	568	72.0	72.0	9.9	4.4	11.7	1.7	0.3	73.0	71.0
Finland	708	63.7	63.7	9.6	5.5	16.8	4.5	0.0	67.7	59.8
France	688	52.9	52.9	16.5	7.3	17.9	3.5	1.9	50.6	55.1
Georgia	565	58.4	58.4	13.8	6.0	16.9	3.0	1.9	60.5	56.3
Germany	561	67.0	67.0	17.1	3.0	7.8	5.1	0.0	67.7	66.3
Hong Kong SAR	515	78.3	78.3	14.6	2.4	4.3	0.4	0.0	79.7	77.1
Hungary	719	71.6	71.6	5.8	3.0	17.2	1.8	0.5	72.0	71.1
Indonesia	578	54.3	54.3	23.9	9.3	10.8	0.4	1.3	49.8	58.0
Iran, Islamic Rep. of	545	67.0	67.0	9.3	4.3	13.8	2.4	3.2	69.5	64.5
Ireland	623	66.0	66.0	12.3	5.3	13.5	2.2	0.8	69.5	63.1
Italy	627	59.4	59.4	19.9	1.9	15.7	2.7	0.4	59.2	59.5
Japan	630	87.6	87.6	3.6	0.5	7.0	1.1	0.1	90.1	84.7
Kazakhstan	673	67.7	67.7	3.4	5.7	22.3	0.4	0.4	64.3	71.0
Korea, Rep. of	662	95.0	95.0	2.6	0.2	1.7	0.6	0.0	95.6	94.5
Kuwait	501	45.4	45.4	20.6	8.3	14.6	7.7	3.3	44.5	45.8
Lithuania	662	69.0	69.0	10.8	4.7	11.4	3.8	0.2	72.0	65.8
Morocco	721	33.8	33.8	21.4	17.6	20.8	4.8	1.7	34.2	33.4
Netherlands	638	59.9	59.9	8.9	5.4	18.1	6.7	1.1	68.3	51.0
New Zealand	914	50.8	50.8	17.0	8.9	20.0	2.4	0.9	50.0	51.6
Northern Ireland	440	52.7	52.7	15.3	10.2	20.9	0.9	0.0	49.5	55.8
Norway	611	63.1	63.1	7.0	6.7	20.8	2.1	0.3	67.3	59.1
Oman	1302	61.7	61.7	13.5	6.8	14.8	2.6	0.6	63.6	59.7
Poland	685	72.1	72.1	10.4	4.0	10.5	2.8	0.1	69.8	74.2
Portugal	667	71.8	71.8	16.5	2.0	8.3	0.9	0.4	72.0	71.6
Qatar	751	56.4	56.4	16.7	7.1	15.6	2.4	1.8	61.4	51.5
Russian Federation	698	85.6	85.6	3.5	2.7	6.2	1.5	0.4	85.5	85.7
Saudi Arabia	620	46.0	46.0	15.1	8.0	27.7	1.8	1.4	47.1	45.1
Serbia	573	68.6	68.6	16.7	2.6	6.9	4.4	0.8	65.2	72.1
Singapore	937	86.7	86.7	7.8	1.5	3.7	0.2	0.0	89.4	84.1
Slovak Republic	818	60.0	60.0	8.3	6.9	21.4	2.9	0.4	55.6	64.4
Slovenia	649	64.3	64.3	17.1	5.1	8.6	4.4	0.4	62.6	65.8
Spain	1104	70.5	70.5	16.8	1.2	9.4	1.5	0.6	71.8	69.4
Sweden	580	53.6	53.6	8.6	7.4	25.8	3.7	0.9	53.8	53.5
Turkey	931	71.4	71.4	13.0	5.3	9.5	0.2	0.5	74.0	69.2
United Arab Emirates	3026	61.0	61.0	13.3	7.8	14.9	2.4	0.6	62.7	59.5
United States	1440	66.8	66.8	11.5	4.9	14.6	1.4	0.8	66.7	67.0
International Avg (n=47)	36256	63.8	63.8	13.4	5.3	14.2	2.5	0.8	64.4	63.2
Buenos Aires, Argentina	440	40.9	40.9	17.3	3.9	12.4	16.6	8.8	42.8	39.2
Ontario, Canada	657	60.9	60.9	13.1	6.8	17.5	0.5	1.2	56.6	65.3
Quebec, Canada	399	54.5	54.5	19.5	3.2	21.6	1.0	0.2	55.5	53.3
Norway (4)	586	44.7	44.7	10.9	7.9	30.9	3.9	1.8	47.5	42.2
Abu Dhabi, UAE	713	55.5	55.5	14.5	10.5	16.4	2.2	0.9	56.7	54.5
Dubai, UAE	1075	71.9	71.9	9.3	3.8	12.9	1.5	0.6	75.5	68.6
Florida, US	282	73.5	73.5	9.3	2.7	12.2	1.4	0.8	72.6	74.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S08_07 (S061109): Physical Science / Reasoning Type: MC Key: D
Label: Shadow of toy cast on screen

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	54.3	13.3	10.1	19.8	54.3	1.8	0.7	49.1	59.6
Bahrain	599	43.0	21.6	13.0	20.0	43.0	1.1	1.2	35.8	49.5
Belgium (Flemish)	769	53.1	18.9	9.5	17.2	53.1	0.9	0.4	51.5	55.0
Bulgaria	617	50.7	16.1	9.6	21.3	50.7	1.9	0.5	50.5	50.8
Canada	1771	52.7	16.6	9.7	18.8	52.7	0.8	1.3	49.6	55.8
Chile	665	55.7	18.5	10.5	11.3	55.7	0.7	3.4	52.1	58.8
Chinese Taipei	611	58.6	19.6	8.8	12.1	58.6	0.7	0.2	56.9	60.3
Croatia	569	54.4	12.7	13.0	17.6	54.4	1.9	0.4	52.1	56.8
Cyprus	594	44.3	20.0	11.1	21.9	44.3	1.0	1.8	41.4	46.7
Czech Republic	742	52.6	13.2	11.8	21.3	52.6	0.8	0.3	50.1	55.3
Denmark	536	54.7	19.0	10.1	13.4	54.7	0.6	2.1	53.7	55.6
England	568	51.3	18.7	9.5	19.5	51.3	0.5	0.4	45.6	57.7
Finland	708	62.3	12.5	9.8	13.8	62.3	1.5	0.1	61.1	63.5
France	688	48.3	16.8	10.6	20.5	48.3	1.5	2.3	44.7	51.7
Georgia	565	43.7	17.5	9.5	26.3	43.7	1.0	2.0	38.4	49.0
Germany	561	47.2	14.9	14.0	20.3	47.2	3.3	0.3	46.5	47.8
Hong Kong SAR	515	53.1	18.8	10.9	16.6	53.1	0.6	0.0	50.3	55.5
Hungary	719	52.7	13.7	12.7	17.3	52.7	2.8	0.9	47.9	57.2
Indonesia	578	45.3	21.3	12.1	19.1	45.3	0.9	1.3	42.2	47.9
Iran, Islamic Rep. of	545	44.7	19.5	12.2	19.3	44.7	1.1	3.2	44.4	45.0
Ireland	623	55.1	13.1	9.6	20.7	55.1	0.5	1.0	54.9	55.3
Italy	627	55.5	12.7	10.9	19.5	55.5	1.0	0.4	51.4	59.1
Japan	630	50.9	14.4	8.6	25.3	50.9	0.4	0.3	50.7	51.2
Kazakhstan	673	56.8	16.1	10.7	15.7	56.8	0.1	0.4	56.9	56.7
Korea, Rep. of	662	71.4	9.2	8.5	10.3	71.4	0.6	0.1	67.4	75.3
Kuwait	501	28.0	27.5	18.9	17.7	28.0	4.5	3.3	29.2	27.1
Lithuania	662	57.2	13.5	11.0	16.6	57.2	1.4	0.4	59.1	55.2
Morocco	720	37.7	18.3	15.3	25.1	37.7	1.8	1.7	36.2	39.2
Netherlands	639	44.7	19.0	15.1	19.2	44.7	0.8	1.1	38.9	50.9
New Zealand	914	51.3	14.8	10.9	21.1	51.3	1.0	0.9	55.5	47.5
Northern Ireland	441	51.5	17.2	10.6	20.4	51.5	0.2	0.0	49.3	53.6
Norway	611	54.9	14.9	11.1	17.2	54.9	1.6	0.3	49.8	59.6
Oman	1301	38.1	21.1	15.4	22.7	38.1	2.1	0.6	40.6	35.5
Poland	685	53.4	15.0	13.4	17.3	53.4	0.8	0.1	45.0	60.9
Portugal	667	52.2	15.8	8.8	22.0	52.2	0.7	0.4	45.1	59.1
Qatar	751	43.4	21.4	12.7	19.1	43.4	1.5	1.9	41.9	44.8
Russian Federation	698	65.7	10.9	11.9	9.2	65.7	1.8	0.4	63.8	67.5
Saudi Arabia	619	40.6	19.7	14.5	21.9	40.6	1.6	1.7	41.6	39.7
Serbia	573	50.4	18.0	16.6	12.7	50.4	1.5	0.8	43.9	57.1
Singapore	937	76.3	8.0	6.4	8.8	76.3	0.4	0.0	75.5	77.1
Slovak Republic	818	45.7	18.9	11.8	21.9	45.7	1.3	0.5	39.2	52.1
Slovenia	649	68.0	9.4	8.0	12.2	68.0	2.0	0.5	65.0	70.7
Spain	1104	56.4	14.5	11.4	16.4	56.4	0.2	1.1	53.8	58.8
Sweden	580	59.4	13.0	7.9	17.0	59.4	1.8	0.9	52.4	65.5
Turkey	931	54.4	12.0	9.8	23.1	54.4	0.2	0.5	50.3	58.0
United Arab Emirates	3026	44.2	19.2	14.1	20.2	44.2	1.7	0.7	40.8	47.1
United States	1440	53.8	14.5	10.4	19.0	53.8	1.5	0.8	51.2	56.5
International Avg (n=47)	36258	51.9	16.3	11.3	18.3	51.9	1.2	0.9	49.2	54.5
Buenos Aires, Argentina	440	36.8	17.4	18.2	12.8	36.8	5.5	9.1	30.4	42.9
Ontario, Canada	657	48.3	18.1	10.7	21.0	48.3	0.4	1.5	45.4	51.3
Quebec, Canada	399	57.4	15.6	9.6	17.1	57.4	0.2	0.2	49.4	66.2
Norway (4)	586	48.8	17.4	10.8	19.2	48.8	1.3	2.5	47.5	49.9
Abu Dhabi, UAE	713	41.9	22.5	13.2	19.5	41.9	1.9	0.9	39.6	43.7
Dubai, UAE	1075	50.6	16.9	11.8	18.9	50.6	1.2	0.6	46.9	53.9
Florida, US	282	54.1	16.3	11.5	15.6	54.1	1.8	0.8	48.0	60.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S08_08 (S061080): Physical Science / Knowing Type: MC Key: B
Label: Puddle of water on metal tray

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	49.3	4.3	49.3	7.0	35.8	3.0	0.7	47.4	51.2
Bahrain	599	44.2	10.1	44.2	18.7	22.6	3.2	1.2	49.5	39.3
Belgium (Flemish)	769	65.6	2.2	65.6	13.8	17.2	0.7	0.4	63.9	67.6
Bulgaria	617	81.2	3.4	81.2	7.4	6.5	0.8	0.8	81.1	81.2
Canada	1775	57.0	4.4	57.0	6.6	29.3	1.3	1.3	57.9	56.1
Chile	673	32.0	10.4	32.0	12.0	40.4	1.5	3.7	29.8	34.0
Chinese Taipei	611	69.4	2.6	69.4	3.6	23.4	0.8	0.2	67.1	71.7
Croatia	569	73.4	1.2	73.4	10.4	13.6	1.0	0.4	73.7	73.1
Cyprus	594	43.8	7.5	43.8	24.5	19.4	3.0	1.8	43.7	43.9
Czech Republic	742	83.6	2.1	83.6	4.7	8.7	0.6	0.3	81.1	86.3
Denmark	536	34.9	3.5	34.9	26.7	30.2	2.3	2.4	32.9	36.7
England	568	50.5	5.1	50.5	4.5	39.0	0.2	0.6	46.9	54.5
Finland	708	67.1	3.2	67.1	7.9	18.1	3.7	0.1	67.4	66.8
France	688	44.8	10.3	44.8	9.0	31.7	1.9	2.3	41.4	48.0
Georgia	565	61.1	8.9	61.1	14.3	11.4	2.3	2.0	63.4	58.9
Germany	561	59.2	5.3	59.2	15.9	16.2	3.0	0.3	56.2	61.9
Hong Kong SAR	515	63.8	4.8	63.8	3.5	27.3	0.4	0.1	59.8	67.1
Hungary	719	73.5	2.8	73.5	6.0	15.3	1.3	1.1	74.3	72.8
Indonesia	578	24.0	19.0	24.0	10.9	43.5	1.1	1.5	23.6	24.3
Iran, Islamic Rep. of	545	40.2	13.4	40.2	12.6	25.7	4.8	3.3	39.4	41.1
Ireland	623	57.4	5.2	57.4	6.1	30.1	0.1	1.1	59.0	56.1
Italy	627	74.9	4.8	74.9	9.2	8.7	1.7	0.7	71.1	78.4
Japan	630	80.2	4.0	80.2	4.0	11.3	0.3	0.3	82.9	77.1
Kazakhstan	673	83.3	3.3	83.3	5.4	6.9	0.7	0.4	85.5	81.1
Korea, Rep. of	662	94.0	1.8	94.0	1.1	2.6	0.4	0.1	93.1	94.9
Kuwait	495	33.5	16.9	33.5	21.5	17.3	7.5	3.4	37.3	28.7
Lithuania	662	70.7	5.3	70.7	11.3	10.7	1.6	0.4	69.5	72.0
Morocco	721	46.7	19.0	46.7	17.2	14.1	1.3	1.7	46.1	47.3
Netherlands	639	48.6	3.0	48.6	16.9	29.5	0.9	1.1	43.7	53.5
New Zealand	914	49.5	6.8	49.5	8.0	33.3	1.6	0.9	48.7	50.2
Northern Ireland	441	47.6	5.8	47.6	7.9	38.8	0.0	0.0	48.1	47.1
Norway	611	30.5	5.8	30.5	14.0	48.9	0.5	0.3	30.5	30.4
Oman	1302	59.3	12.6	59.3	11.2	13.6	2.4	0.9	63.4	55.2
Poland	685	56.3	4.1	56.3	5.3	32.8	1.4	0.1	56.3	56.4
Portugal	667	57.2	6.6	57.2	6.4	29.1	0.2	0.4	50.9	63.4
Qatar	751	43.8	13.1	43.8	17.6	21.4	2.0	2.0	49.6	38.2
Russian Federation	698	69.9	4.7	69.9	9.0	14.4	1.5	0.4	68.0	71.8
Saudi Arabia	620	59.3	9.8	59.3	11.4	15.7	1.9	2.0	60.4	58.3
Serbia	573	77.9	3.7	77.9	6.3	10.2	0.9	0.9	78.5	77.3
Singapore	937	62.3	3.3	62.3	5.8	28.3	0.3	0.0	63.1	61.6
Slovak Republic	818	79.7	5.6	79.7	5.5	7.5	1.0	0.7	79.2	80.3
Slovenia	649	73.7	3.2	73.7	1.8	17.9	2.8	0.5	74.3	73.3
Spain	1104	47.4	4.0	47.4	8.9	35.9	2.8	1.1	48.1	46.8
Sweden	580	60.9	3.2	60.9	8.6	24.2	2.2	0.9	58.1	63.4
Turkey	931	65.4	7.7	65.4	6.3	19.1	1.0	0.6	66.1	64.8
United Arab Emirates	3026	52.3	11.9	52.3	12.4	20.3	2.2	0.8	55.8	49.3
United States	1440	71.5	4.3	71.5	5.1	16.3	1.9	0.9	70.5	72.5
International Avg (n=47)	36267	59.0	6.5	59.0	9.9	22.0	1.7	1.0	58.7	59.3
Buenos Aires, Argentina	440	19.5	7.8	19.5	11.0	39.3	12.7	9.7	20.6	18.4
Ontario, Canada	658	58.0	4.3	58.0	5.0	30.7	0.5	1.5	59.0	57.0
Quebec, Canada	400	52.4	5.5	52.4	10.3	30.2	1.4	0.2	54.0	50.6
Norway (4)	586	32.6	7.4	32.6	16.4	40.0	1.0	2.5	27.8	36.9
Abu Dhabi, UAE	713	44.6	14.0	44.6	14.2	23.2	3.0	1.0	47.9	41.9
Dubai, UAE	1075	61.8	7.8	61.8	7.1	20.8	1.8	0.7	65.0	58.9
Florida, US	282	70.1	2.9	70.1	4.1	19.9	2.2	0.8	70.0	70.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S08_09 (S061088): Earth Science / Knowing Type: CR 1 Point
Label: Energy transformed to electricity

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	21.8	70.6	21.8	6.9	0.7	16.0	27.5
Bahrain	599	13.1	75.0	13.1	10.0	1.9	14.9	11.3
Belgium (Flemish)	769	22.4	67.2	22.4	10.1	0.4	21.7	23.2
Bulgaria	617	25.2	60.8	25.2	13.1	0.8	27.5	23.0
Canada	1778	15.2	78.5	15.2	4.8	1.5	15.5	14.8
Chile	673	9.9	73.1	9.9	13.2	3.8	10.0	9.9
Chinese Taipei	611	44.8	49.1	44.8	6.0	0.2	43.1	46.5
Croatia	569	13.1	66.2	13.1	20.2	0.5	11.7	14.6
Cyprus	594	11.3	67.6	11.3	17.8	3.3	9.2	13.2
Czech Republic	742	17.8	63.5	17.8	18.2	0.6	14.5	21.2
Denmark	536	20.8	64.2	20.8	11.5	3.4	15.8	25.5
England	568	15.9	74.5	15.9	8.9	0.7	12.1	20.1
Finland	708	28.9	63.5	28.9	7.3	0.3	24.4	33.2
France	688	15.4	64.1	15.4	17.8	2.7	13.0	17.6
Georgia	565	7.2	61.7	7.2	28.1	3.1	8.3	6.1
Germany	561	29.1	50.3	29.1	20.2	0.5	24.9	32.7
Hong Kong SAR	515	48.6	46.8	48.6	4.4	0.1	45.1	51.5
Hungary	719	32.2	57.4	32.2	8.9	1.5	27.4	36.9
Indonesia	578	36.7	57.6	36.7	4.1	1.6	36.9	36.6
Iran, Islamic Rep. of	545	6.2	62.9	6.2	27.0	3.8	4.5	8.0
Ireland	623	24.5	66.8	24.5	7.7	1.1	19.9	28.4
Italy	625	16.0	68.5	16.0	14.5	0.9	17.4	14.8
Japan	630	30.3	61.7	30.3	7.5	0.4	29.7	31.2
Kazakhstan	673	43.1	50.8	43.1	5.5	0.6	45.0	41.3
Korea, Rep. of	662	39.1	55.7	39.1	5.0	0.3	31.5	46.5
Kuwait	495	9.3	59.5	9.3	27.3	3.8	10.1	8.6
Lithuania	662	25.8	54.7	25.8	19.0	0.5	27.2	24.3
Morocco	721	3.0	78.7	3.0	16.6	1.7	2.8	3.1
Netherlands	639	25.5	67.1	25.5	6.1	1.4	20.7	30.3
New Zealand	914	15.2	76.6	15.2	6.8	1.4	15.0	15.4
Northern Ireland	445	28.8	63.3	28.8	7.8	0.0	30.5	27.1
Norway	611	22.9	69.4	22.9	7.4	0.3	16.4	28.9
Oman	1304	19.6	71.6	19.6	7.5	1.3	21.2	17.9
Poland	685	17.1	60.6	17.1	22.2	0.1	12.4	21.2
Portugal	667	15.5	74.3	15.5	9.7	0.4	12.8	18.1
Qatar	751	19.2	67.6	19.2	10.4	2.7	13.5	24.9
Russian Federation	698	25.3	66.2	25.3	7.5	1.0	25.7	25.0
Saudi Arabia	621	21.3	54.3	21.3	21.7	2.7	27.8	15.2
Serbia	573	27.5	53.0	27.5	18.1	1.4	25.2	29.8
Singapore	937	19.0	79.2	19.0	1.8	0.0	15.7	22.1
Slovak Republic	818	16.2	70.0	16.2	13.0	0.8	14.7	17.7
Slovenia	649	31.2	51.0	31.2	16.8	1.0	30.3	32.0
Spain	1104	28.1	58.3	28.1	12.0	1.5	24.0	31.7
Sweden	580	32.6	57.7	32.6	8.8	0.9	31.0	34.0
Turkey	931	27.0	64.2	27.0	8.0	0.8	23.8	29.8
United Arab Emirates	3026	20.2	69.0	20.2	9.9	0.9	19.4	20.8
United States	1440	18.9	76.8	18.9	3.5	0.9	16.9	20.8
International Avg (n=47)	36275	22.5	64.3	22.5	11.9	1.3	20.8	24.1
Buenos Aires, Argentina	440	6.5	45.4	6.5	34.3	13.8	4.4	8.5
Ontario, Canada	658	13.3	81.4	13.3	3.7	1.7	13.5	13.0
Quebec, Canada	402	13.6	80.1	13.6	5.8	0.5	15.7	11.4
Norway (4)	586	15.0	68.4	15.0	13.8	2.7	16.4	13.8
Abu Dhabi, UAE	713	16.1	71.6	16.1	11.3	1.0	16.9	15.4
Dubai, UAE	1075	26.3	67.9	26.3	5.0	0.8	24.0	28.4
Florida, US	282	24.6	71.3	24.6	2.6	1.6	21.1	28.0

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S08_10 (S061151): Physical Science / Applying Type: CR 1 Point
Label: Teacher plucked a guitar string

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	52.7	41.3	52.7	5.0	1.0	48.1	57.2
Bahrain	599	19.2	62.0	19.2	16.6	2.2	19.3	19.2
Belgium (Flemish)	769	54.8	36.4	54.8	8.2	0.6	53.2	56.7
Bulgaria	617	47.2	29.4	47.2	22.5	0.8	43.3	51.2
Canada	1778	62.3	30.2	62.3	5.8	1.7	63.6	61.0
Chile	673	31.5	48.5	31.5	15.6	4.4	28.5	34.3
Chinese Taipei	611	32.5	48.9	32.5	18.4	0.2	30.8	34.2
Croatia	569	44.2	42.6	44.2	12.6	0.6	39.7	48.8
Cyprus	594	29.8	47.1	29.8	18.6	4.5	29.4	30.1
Czech Republic	742	40.8	34.6	40.8	23.9	0.7	38.4	43.5
Denmark	536	48.5	37.1	48.5	9.9	4.5	48.4	48.5
England	568	53.2	41.1	53.2	4.9	0.7	51.5	55.1
Finland	708	50.2	40.1	50.2	9.3	0.4	50.6	49.8
France	688	36.6	42.5	36.6	17.7	3.2	34.6	38.5
Georgia	565	38.4	33.9	38.4	24.4	3.3	37.7	39.2
Germany	561	35.6	43.2	35.6	20.7	0.5	32.8	38.1
Hong Kong SAR	515	43.7	45.9	43.7	10.3	0.1	46.1	41.7
Hungary	719	38.6	46.5	38.6	13.2	1.7	32.3	44.7
Indonesia	578	19.4	66.9	19.4	12.0	1.8	19.9	18.9
Iran, Islamic Rep. of	545	11.5	56.6	11.5	27.7	4.2	7.5	15.6
Ireland	623	50.5	42.2	50.5	5.9	1.4	46.2	54.2
Italy	624	44.2	33.9	44.2	20.6	1.2	42.7	45.7
Japan	630	49.8	40.0	49.8	9.8	0.4	49.6	50.1
Kazakhstan	673	42.7	45.9	42.7	10.8	0.6	45.9	39.6
Korea, Rep. of	662	50.3	46.1	50.3	3.3	0.3	44.2	56.2
Kuwait	495	11.9	28.3	11.9	55.4	4.4	13.5	10.4
Lithuania	662	45.7	40.7	45.7	13.1	0.5	44.1	47.4
Morocco	721	0.7	57.8	0.7	39.1	2.4	0.6	0.8
Netherlands	639	58.4	35.8	58.4	3.9	2.0	56.9	59.8
New Zealand	914	41.8	49.7	41.8	7.1	1.4	41.4	42.1
Northern Ireland	445	46.4	47.1	46.4	6.1	0.4	49.1	43.8
Norway	611	55.9	36.6	55.9	7.0	0.5	53.3	58.3
Oman	1298	10.6	64.4	10.6	23.5	1.5	11.4	9.9
Poland	685	46.3	33.4	46.3	19.8	0.5	44.9	47.5
Portugal	667	40.5	47.5	40.5	11.1	0.9	37.4	43.5
Qatar	751	20.7	54.3	20.7	22.3	2.7	21.2	20.3
Russian Federation	698	54.5	34.5	54.5	9.7	1.3	48.5	60.3
Saudi Arabia	621	20.2	38.0	20.2	39.0	2.8	27.4	13.5
Serbia	573	43.1	34.7	43.1	20.3	1.9	40.4	45.8
Singapore	937	52.8	43.6	52.8	3.6	0.0	50.6	54.8
Slovak Republic	818	40.5	41.4	40.5	17.1	1.0	34.0	47.0
Slovenia	649	55.4	29.9	55.4	13.4	1.2	53.3	57.2
Spain	1104	27.8	56.5	27.8	14.2	1.5	28.3	27.4
Sweden	580	24.8	57.2	24.8	16.7	1.3	24.7	24.9
Turkey	931	50.4	40.4	50.4	8.4	0.8	46.5	53.7
United Arab Emirates	3026	21.5	52.0	21.5	25.0	1.4	20.4	22.5
United States	1440	61.6	33.9	61.6	3.5	1.0	59.4	63.8
International Avg (n=47)	36268	39.6	43.4	39.6	15.5	1.5	38.1	41.0
Buenos Aires, Argentina	440	18.1	28.4	18.1	38.6	14.9	21.6	14.8
Ontario, Canada	658	61.0	33.6	61.0	3.6	1.8	61.7	60.4
Quebec, Canada	402	64.1	26.0	64.1	8.9	1.0	66.1	62.1
Norway (4)	586	36.0	43.6	36.0	17.2	3.2	37.4	34.7
Abu Dhabi, UAE	713	15.8	54.3	15.8	28.4	1.5	13.7	17.5
Dubai, UAE	1075	37.5	47.8	37.5	13.6	1.0	38.4	36.7
Florida, US	282	61.2	33.8	61.2	3.5	1.6	62.8	59.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S08_l1 (S061150): Earth Science / Applying Type: CR 1 Point
Label: Drawings of the moon

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	50.9	46.8	50.9	0.9	1.4	55.6	46.3
Bahrain	599	32.5	64.3	32.5	1.0	2.2	38.6	26.9
Belgium (Flemish)	769	51.6	47.1	51.6	0.7	0.6	55.6	47.0
Bulgaria	617	31.2	66.7	31.2	1.0	1.2	33.0	29.3
Canada	1778	49.8	46.0	49.8	2.3	1.9	57.7	41.9
Chile	673	29.9	62.3	29.9	2.6	5.1	34.2	26.1
Chinese Taipei	611	42.0	57.0	42.0	0.8	0.2	41.6	42.4
Croatia	569	50.8	47.7	50.8	0.9	0.6	54.8	46.7
Cyprus	594	32.1	61.5	32.1	1.6	4.8	36.9	27.9
Czech Republic	742	28.4	70.2	28.4	0.8	0.7	28.7	28.1
Denmark	536	43.3	51.0	43.3	1.1	4.6	52.2	35.1
England	568	46.1	51.9	46.1	1.1	0.9	50.4	41.3
Finland	708	51.4	46.6	51.4	1.6	0.4	62.6	40.8
France	688	39.7	55.2	39.7	1.6	3.5	39.9	39.4
Georgia	565	28.1	65.1	28.1	3.1	3.7	31.2	25.1
Germany	561	51.0	46.9	51.0	1.2	0.8	56.7	45.9
Hong Kong SAR	515	40.1	59.5	40.1	0.2	0.1	41.0	39.4
Hungary	719	52.1	44.2	52.1	1.6	2.1	52.9	51.4
Indonesia	578	13.5	83.1	13.5	1.6	1.8	15.5	11.9
Iran, Islamic Rep. of	545	24.4	69.8	24.4	1.5	4.3	26.9	21.9
Ireland	623	49.4	49.1	49.4	0.2	1.4	55.2	44.3
Italy	626	47.5	49.5	47.5	1.7	1.2	49.7	45.6
Japan	630	55.3	42.8	55.3	1.5	0.4	60.5	49.2
Kazakhstan	673	42.7	55.0	42.7	1.7	0.6	50.6	35.0
Korea, Rep. of	662	45.3	54.0	45.3	0.4	0.3	46.0	44.7
Kuwait	501	11.0	81.1	11.0	3.0	4.9	13.5	8.6
Lithuania	662	53.0	46.1	53.0	0.4	0.5	60.7	45.0
Morocco	721	2.8	93.1	2.8	1.4	2.7	4.5	1.3
Netherlands	639	43.7	53.0	43.7	1.2	2.1	50.1	37.1
New Zealand	914	44.4	52.5	44.4	1.7	1.4	48.6	40.5
Northern Ireland	445	27.1	71.4	27.1	1.1	0.4	29.0	25.1
Norway	611	54.5	43.6	54.5	0.9	1.1	59.5	49.8
Oman	1299	21.7	75.0	21.7	1.8	1.5	27.3	16.1
Poland	685	32.6	65.9	32.6	1.0	0.5	36.5	29.1
Portugal	667	52.4	44.6	52.4	1.7	1.3	52.8	51.9
Qatar	751	22.6	72.9	22.6	1.4	3.1	25.6	19.8
Russian Federation	698	49.0	49.3	49.0	0.3	1.4	50.9	47.1
Saudi Arabia	621	13.7	78.0	13.7	4.9	3.4	19.6	8.1
Serbia	573	46.8	48.4	46.8	2.8	2.0	50.7	42.7
Singapore	937	54.8	45.2	54.8	0.0	0.0	59.6	50.1
Slovak Republic	818	45.4	52.7	45.4	1.0	1.0	49.2	41.6
Slovenia	649	56.2	40.9	56.2	1.7	1.2	58.2	54.5
Spain	1104	54.2	42.6	54.2	1.5	1.7	59.2	49.9
Sweden	580	47.7	50.2	47.7	0.6	1.5	48.8	46.7
Turkey	931	39.1	59.4	39.1	0.6	0.9	44.3	34.5
United Arab Emirates	3026	28.1	68.9	28.1	1.4	1.6	30.8	25.8
United States	1440	56.4	41.4	56.4	1.0	1.1	61.5	51.3
International Avg (n=47)	36277	40.1	56.8	40.1	1.4	1.7	44.0	36.4
Buenos Aires, Argentina	440	25.2	55.5	25.2	4.3	15.0	27.7	22.8
Ontario, Canada	658	51.1	46.0	51.1	1.0	1.9	61.2	41.0
Quebec, Canada	402	52.2	43.9	52.2	2.9	1.0	54.5	49.9
Norway (4)	586	40.3	54.5	40.3	1.7	3.5	48.8	32.6
Abu Dhabi, UAE	713	20.7	75.5	20.7	1.7	2.1	22.1	19.6
Dubai, UAE	1075	40.4	57.5	40.4	1.0	1.0	46.4	35.0
Florida, US	282	59.2	38.8	59.2	0.4	1.6	64.3	54.2

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S08_12 (S061169): Earth Science / Knowing Type: MC Key: A
Label: Diagram of water cycle

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	856	61.4	61.4	18.1	12.1	3.8	2.8	1.8	54.6	68.3
Bahrain	599	62.0	62.0	13.8	11.7	8.0	2.3	2.3	64.0	60.1
Belgium (Flemish)	769	48.7	48.7	17.5	15.7	14.8	2.4	0.9	47.7	49.9
Bulgaria	617	69.7	69.7	14.7	5.2	5.8	3.4	1.2	67.5	71.9
Canada	1769	57.2	57.2	18.9	9.3	10.3	1.3	2.9	55.9	58.6
Chile	674	58.3	58.3	16.9	10.3	6.9	1.6	6.0	52.6	63.4
Chinese Taipei	611	81.8	81.8	7.8	5.9	2.8	1.3	0.4	77.7	85.8
Croatia	569	65.1	65.1	16.4	6.7	7.9	3.4	0.6	62.0	68.3
Cyprus	594	65.2	65.2	14.6	7.9	5.4	1.9	5.0	66.4	64.2
Czech Republic	742	61.9	61.9	18.3	7.9	8.2	3.1	0.7	58.6	65.5
Denmark	536	59.6	59.6	14.9	10.9	5.5	4.1	5.1	59.3	59.9
England	568	65.1	65.1	13.2	12.3	6.4	1.8	1.3	61.4	69.1
Finland	708	56.3	56.3	27.0	5.2	7.0	3.9	0.6	53.6	58.9
France	688	48.3	48.3	18.5	12.5	12.9	3.8	4.1	46.2	50.3
Georgia	565	35.1	35.1	17.6	21.1	17.2	4.5	4.4	34.1	36.2
Germany	561	55.9	55.9	19.4	7.2	11.3	5.1	1.1	50.9	60.4
Hong Kong SAR	515	86.5	86.5	7.6	3.3	1.8	0.6	0.1	88.1	85.3
Hungary	719	68.0	68.0	13.5	7.1	6.9	2.2	2.4	68.0	67.9
Indonesia	578	35.6	35.6	19.6	23.1	18.8	1.0	2.0	38.0	33.7
Iran, Islamic Rep. of	545	57.0	57.0	11.5	11.9	10.1	4.1	5.4	58.0	55.9
Ireland	623	60.2	60.2	16.7	10.8	8.8	2.1	1.4	56.9	63.0
Italy	627	71.7	71.7	14.3	6.6	3.2	3.1	1.2	72.3	71.2
Japan	630	66.0	66.0	12.0	13.3	6.1	1.8	0.8	68.5	63.0
Kazakhstan	673	64.1	64.1	14.9	7.5	11.4	1.2	1.0	65.8	62.4
Korea, Rep. of	662	86.8	86.8	4.1	3.2	3.8	1.9	0.3	86.2	87.3
Kuwait	501	41.1	41.1	18.1	16.5	11.6	7.8	5.0	48.8	33.6
Lithuania	662	46.3	46.3	23.7	11.9	15.4	2.1	0.6	47.5	45.0
Morocco	721	31.8	31.8	19.1	26.0	16.4	4.0	2.7	30.5	33.1
Netherlands	639	40.7	40.7	24.0	15.7	15.9	0.9	2.8	39.6	42.0
New Zealand	914	57.0	57.0	16.9	12.6	8.7	2.6	2.3	54.5	59.3
Northern Ireland	437	60.2	60.2	13.9	15.8	10.1	0.1	0.0	62.6	57.8
Norway	611	56.4	56.4	20.6	11.4	8.3	1.8	1.5	52.5	60.1
Oman	1301	53.7	53.7	13.0	14.9	14.8	2.0	1.6	58.6	48.9
Poland	685	70.2	70.2	15.3	6.2	6.1	1.7	0.5	68.0	72.2
Portugal	667	65.1	65.1	12.9	13.3	3.9	2.5	2.4	63.7	66.3
Qatar	751	59.3	59.3	14.2	12.0	9.0	2.4	3.1	62.5	56.2
Russian Federation	698	65.9	65.9	17.1	5.0	8.7	1.8	1.5	62.4	69.2
Saudi Arabia	619	48.7	48.7	14.1	19.0	12.4	2.6	3.3	54.9	42.7
Serbia	573	71.8	71.8	10.2	8.3	3.6	3.9	2.2	71.1	72.5
Singapore	937	82.1	82.1	7.0	6.4	4.1	0.4	0.0	80.9	83.2
Slovak Republic	818	60.1	60.1	17.6	10.3	9.4	1.6	1.1	55.9	64.2
Slovenia	649	68.7	68.7	14.4	6.0	7.9	1.4	1.6	63.7	73.2
Spain	1104	72.8	72.8	12.8	5.4	5.0	2.1	1.9	69.5	75.7
Sweden	580	68.5	68.5	15.9	5.8	4.7	3.4	1.7	67.4	69.4
Turkey	931	62.9	62.9	14.7	11.1	9.5	0.8	0.9	63.2	62.8
United Arab Emirates	3026	63.2	63.2	12.5	11.6	8.8	2.2	1.7	63.3	63.1
United States	1440	74.3	74.3	11.9	6.7	3.6	1.9	1.6	73.1	75.4
International Avg (n=47)	36262	61.0	61.0	15.3	10.6	8.6	2.4	2.0	60.2	61.8
Buenos Aires, Argentina	440	32.4	32.4	16.3	15.0	8.1	12.7	15.5	32.8	32.0
Ontario, Canada	657	58.8	58.8	17.6	9.4	9.5	1.9	2.7	57.2	60.3
Quebec, Canada	396	59.4	59.4	19.3	7.4	12.4	0.2	1.4	60.0	58.7
Norway (4)	586	54.3	54.3	22.8	11.9	4.5	2.3	4.3	51.7	56.7
Abu Dhabi, UAE	713	54.1	54.1	14.6	14.9	12.0	2.2	2.2	54.9	53.4
Dubai, UAE	1075	75.1	75.1	10.0	8.3	4.3	1.3	1.1	76.1	74.2
Florida, US	282	79.4	79.4	9.0	6.1	2.9	1.1	1.6	76.6	82.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S09_01 (S051044): Life Science / Knowing Type: CR 1 Point
Label: Tree and bird; glass and spoon

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	52.3	44.2	52.3	3.4	0.1	56.4	47.9
Bahrain	593	51.6	45.7	51.6	2.7	0.0	56.8	46.8
Belgium (Flemish)	777	39.5	57.6	39.5	2.7	0.2	41.1	37.9
Bulgaria	607	68.5	22.9	68.5	8.6	0.0	64.5	72.1
Canada	1764	39.0	57.3	39.0	3.2	0.5	42.4	35.9
Chile	666	38.0	51.2	38.0	10.0	0.9	41.8	34.6
Chinese Taipei	614	16.2	79.0	16.2	4.8	0.0	16.1	16.3
Croatia	564	65.0	32.4	65.0	2.6	0.0	66.0	64.1
Cyprus	592	39.4	44.4	39.4	15.4	0.8	43.0	36.1
Czech Republic	742	57.1	34.9	57.1	8.0	0.1	59.8	54.5
Denmark	526	32.0	62.2	32.0	5.4	0.4	35.0	29.0
England	570	49.1	48.4	49.1	2.5	0.0	50.2	47.9
Finland	703	46.2	45.0	46.2	8.7	0.1	53.6	39.6
France	705	36.9	49.0	36.9	13.0	1.0	36.8	37.1
Georgia	563	36.0	50.2	36.0	13.3	0.6	36.6	35.3
Germany	561	40.3	51.3	40.3	8.4	0.0	41.4	39.2
Hong Kong SAR	517	30.8	67.9	30.8	1.3	0.0	32.7	28.9
Hungary	725	43.0	51.1	43.0	5.4	0.5	42.9	43.1
Indonesia	578	32.8	57.8	32.8	9.4	0.0	36.2	30.0
Iran, Islamic Rep. of	545	59.6	29.4	59.6	10.8	0.2	63.4	56.1
Ireland	623	35.5	63.0	35.5	1.5	0.0	39.2	32.3
Italy	640	65.0	28.9	65.0	6.1	0.0	67.9	62.1
Japan	633	37.4	59.2	37.4	3.1	0.3	36.6	38.2
Kazakhstan	675	74.3	21.8	74.3	3.7	0.2	78.9	69.9
Korea, Rep. of	665	41.5	57.5	41.5	0.9	0.0	47.4	35.8
Kuwait	505	27.5	37.6	27.5	34.1	0.7	28.0	26.2
Lithuania	652	51.9	44.2	51.9	3.9	0.0	54.6	49.1
Morocco	713	30.9	54.2	30.9	14.4	0.5	30.5	31.2
Netherlands	642	44.7	54.2	44.7	0.9	0.2	46.1	43.8
New Zealand	898	44.1	51.4	44.1	4.3	0.2	50.0	38.7
Northern Ireland	448	47.1	50.9	47.1	2.0	0.0	49.6	44.6
Norway	615	39.6	57.7	39.6	2.4	0.4	39.8	39.4
Oman	1289	53.0	36.1	53.0	10.8	0.1	60.3	45.6
Poland	687	40.9	53.0	40.9	6.1	0.0	43.3	38.6
Portugal	667	50.8	47.1	50.8	2.0	0.0	52.9	48.9
Qatar	744	49.7	43.2	49.7	6.8	0.4	52.4	46.8
Russian Federation	694	66.3	30.9	66.3	2.8	0.0	69.1	63.5
Saudi Arabia	634	37.2	45.1	37.2	17.4	0.4	48.7	26.2
Serbia	572	64.2	30.4	64.2	5.2	0.3	71.3	57.4
Singapore	923	87.4	12.1	87.4	0.4	0.0	89.3	85.8
Slovak Republic	819	65.2	29.8	65.2	4.6	0.3	65.9	64.6
Slovenia	640	62.8	34.6	62.8	2.4	0.2	62.9	62.7
Spain	1121	46.1	51.5	46.1	2.1	0.3	46.4	45.9
Sweden	592	31.6	64.2	31.6	4.2	0.0	31.1	32.0
Turkey	930	37.4	59.1	37.4	3.5	0.0	37.0	37.7
United Arab Emirates	3025	41.9	48.6	41.9	9.1	0.3	45.1	39.2
United States	1427	43.9	53.1	43.9	2.6	0.4	48.4	39.4
International Avg (n=47)	36244	46.6	46.8	46.6	6.3	0.2	49.1	44.2
Buenos Aires, Argentina	418	35.2	47.1	35.2	15.1	2.6	35.8	34.6
Ontario, Canada	657	37.5	59.3	37.5	2.9	0.3	39.5	35.5
Quebec, Canada	398	45.0	52.5	45.0	2.4	0.1	49.8	40.4
Norway (4)	595	28.0	68.0	28.0	3.9	0.1	29.1	27.0
Abu Dhabi, UAE	712	32.1	53.8	32.1	13.2	0.9	34.4	30.1
Dubai, UAE	1072	55.8	41.3	55.8	2.9	0.0	58.4	53.4
Florida, US	285	42.4	56.4	42.4	1.1	0.0	44.0	40.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S09_03 (S051003): Life Science / Knowing Type: MC Key: D
Label: Leaves from two kinds of trees

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	57.0	11.7	8.7	20.3	57.0	2.1	0.3	56.0	58.0
Bahrain	593	30.8	13.3	25.7	26.6	30.8	3.7	0.0	32.6	29.2
Belgium (Flemish)	777	72.9	9.8	6.6	9.1	72.9	1.4	0.3	71.6	74.2
Bulgaria	607	73.4	8.8	7.8	9.4	73.4	0.5	0.0	76.4	70.7
Canada	1759	75.8	6.6	6.7	8.7	75.8	1.3	0.9	78.1	73.6
Chile	666	45.7	16.0	16.2	18.7	45.7	2.4	1.0	42.3	48.7
Chinese Taipei	614	46.1	11.6	22.7	18.4	46.1	1.2	0.0	46.6	45.7
Croatia	564	76.5	6.3	4.8	9.5	76.5	2.6	0.4	78.7	74.3
Cyprus	592	48.7	10.4	14.1	22.5	48.7	3.1	1.3	50.3	47.1
Czech Republic	742	80.0	6.7	5.9	4.8	80.0	1.8	0.8	78.0	81.9
Denmark	526	69.0	6.8	9.4	11.1	69.0	2.4	1.3	70.4	67.5
England	570	64.9	10.8	6.2	17.5	64.9	0.6	0.0	62.3	67.6
Finland	703	77.3	5.1	6.1	5.2	77.3	6.1	0.1	79.6	75.3
France	705	67.1	8.3	4.4	15.9	67.1	2.1	2.2	66.9	67.3
Georgia	563	62.1	9.0	8.6	15.5	62.1	3.1	1.7	60.9	63.2
Germany	561	70.0	10.0	9.2	6.9	70.0	3.6	0.2	71.1	69.0
Hong Kong SAR	517	54.6	11.6	12.9	20.2	54.6	0.6	0.0	57.9	51.4
Hungary	725	73.2	6.6	9.5	5.9	73.2	3.5	1.3	71.8	74.8
Indonesia	578	37.8	19.5	22.0	18.3	37.8	2.3	0.0	39.4	36.6
Iran, Islamic Rep. of	545	35.5	18.2	16.4	24.0	35.5	4.7	1.3	38.1	33.1
Ireland	623	71.4	8.6	6.5	12.6	71.4	0.6	0.2	72.1	70.9
Italy	641	62.9	13.0	11.6	10.2	62.9	2.2	0.0	59.8	66.0
Japan	633	52.8	13.0	14.7	18.1	52.8	1.0	0.4	56.6	48.5
Kazakhstan	675	69.3	8.0	9.3	12.0	69.3	1.1	0.3	73.2	65.6
Korea, Rep. of	665	72.6	4.8	14.0	8.5	72.6	0.1	0.0	77.3	68.0
Kuwait	506	18.1	23.5	25.3	21.5	18.1	9.7	1.8	18.1	18.4
Lithuania	652	69.3	9.6	10.1	9.4	69.3	1.5	0.0	72.7	65.8
Morocco	712	29.5	17.9	24.1	25.0	29.5	2.8	0.7	33.1	26.4
Netherlands	642	66.0	12.1	12.6	7.3	66.0	1.8	0.2	66.1	66.7
New Zealand	898	60.8	10.0	9.8	17.3	60.8	1.8	0.2	67.3	54.8
Northern Ireland	442	64.1	9.8	8.8	17.2	64.1	0.0	0.0	64.2	64.1
Norway	615	69.6	8.9	5.2	14.3	69.6	1.5	0.5	70.2	69.1
Oman	1285	25.2	18.1	28.8	24.6	25.2	3.1	0.2	28.1	22.3
Poland	687	78.1	6.0	6.7	7.3	78.1	1.9	0.0	78.9	77.3
Portugal	667	47.8	13.9	12.9	23.4	47.8	1.6	0.3	48.0	47.6
Qatar	744	30.2	21.7	20.5	24.0	30.2	3.2	0.4	29.3	31.1
Russian Federation	694	78.7	5.0	9.9	4.8	78.7	1.4	0.2	81.4	75.9
Saudi Arabia	632	16.1	24.5	30.0	25.9	16.1	3.1	0.4	16.2	16.0
Serbia	572	78.4	6.3	5.3	6.3	78.4	2.7	1.0	80.6	76.3
Singapore	923	55.3	11.9	12.9	19.4	55.3	0.4	0.1	57.8	53.1
Slovak Republic	819	72.5	6.3	7.0	11.9	72.5	2.0	0.3	72.5	72.6
Slovenia	640	76.8	5.1	6.5	9.2	76.8	2.1	0.2	79.7	74.2
Spain	1121	53.5	11.6	14.1	19.2	53.5	1.2	0.3	55.2	51.9
Sweden	592	69.6	11.9	7.4	9.1	69.6	1.8	0.2	67.5	71.5
Turkey	930	40.8	15.6	22.7	19.3	40.8	1.5	0.1	44.7	37.6
United Arab Emirates	3026	38.2	17.8	20.1	21.3	38.2	2.2	0.5	39.4	37.1
United States	1427	67.0	10.3	7.6	12.1	67.0	2.1	0.9	68.7	65.3
International Avg (n=47)	36229	58.6	11.3	12.5	14.9	58.6	2.2	0.5	59.7	57.5
Buenos Aires, Argentina	418	36.3	13.2	14.4	16.4	36.3	16.1	3.7	43.2	28.3
Ontario, Canada	656	75.1	8.1	5.8	9.0	75.1	1.4	0.6	78.1	72.1
Quebec, Canada	397	78.4	5.4	7.1	8.7	78.4	0.4	0.1	79.8	77.0
Norway (4)	595	65.1	7.7	7.1	16.3	65.1	3.8	0.1	68.6	61.5
Abu Dhabi, UAE	713	33.3	18.9	20.3	23.9	33.3	2.0	1.5	33.7	33.0
Dubai, UAE	1072	52.8	12.0	15.4	18.1	52.8	1.7	0.0	54.7	51.0
Florida, US	285	66.5	6.8	12.9	12.6	66.5	0.8	0.4	63.9	69.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S09_04 (S051168): Life Science / Applying Type: CR 1 Point
Label: Why plastic objects dangerous

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	80.9	6.9	9.4	80.9	2.3	0.4	81.2	80.5
Bahrain	593	26.9	16.1	45.7	26.9	10.7	0.6	26.6	27.3
Belgium (Flemish)	777	60.4	19.8	16.1	60.4	3.5	0.3	64.2	56.2
Bulgaria	607	32.4	10.4	40.3	32.4	16.8	0.0	38.2	27.2
Canada	1764	71.8	8.7	15.5	71.8	2.9	1.1	75.2	68.6
Chile	666	52.6	11.8	24.7	52.6	9.9	1.0	54.5	51.0
Chinese Taipei	614	52.5	10.8	31.8	52.5	4.9	0.0	52.9	52.0
Croatia	564	51.0	21.1	19.2	51.0	8.3	0.4	54.8	47.3
Cyprus	592	78.2	7.0	9.7	78.2	3.7	1.4	78.8	77.6
Czech Republic	742	58.4	5.7	24.9	58.4	10.1	0.8	62.5	54.7
Denmark	526	61.4	10.6	21.6	61.4	4.8	1.5	66.9	56.0
England	570	71.3	2.3	25.1	71.3	1.2	0.2	76.4	65.7
Finland	703	75.5	3.3	14.5	75.5	6.5	0.2	81.4	70.2
France	701	66.9	6.9	14.9	66.9	9.1	2.2	72.8	60.8
Georgia	563	29.6	8.1	36.2	29.6	24.0	2.1	31.0	28.2
Germany	561	67.9	7.6	15.9	67.9	7.5	1.0	69.4	66.5
Hong Kong SAR	517	58.7	1.4	36.7	58.7	3.2	0.0	58.4	59.0
Hungary	725	59.0	3.6	31.6	59.0	4.2	1.7	61.3	56.4
Indonesia	578	19.0	2.1	67.6	19.0	11.3	0.0	21.7	16.8
Iran, Islamic Rep. of	545	14.3	4.2	57.0	14.3	22.7	1.8	14.2	14.4
Ireland	623	80.9	4.1	13.7	80.9	1.1	0.2	82.8	79.3
Italy	640	53.6	6.4	30.6	53.6	9.4	0.0	55.3	51.8
Japan	633	73.8	0.7	20.0	73.8	5.2	0.4	76.1	71.0
Kazakhstan	675	34.3	5.9	52.1	34.3	6.7	1.0	36.3	32.3
Korea, Rep. of	665	61.8	0.9	35.5	61.8	1.7	0.0	61.8	61.8
Kuwait	506	11.9	8.1	31.7	11.9	45.7	2.6	12.6	11.2
Lithuania	652	62.5	2.6	26.2	62.5	8.7	0.0	65.9	58.9
Morocco	712	2.8	12.6	58.5	2.8	25.2	1.0	2.2	3.3
Netherlands	642	85.1	3.7	10.3	85.1	0.7	0.2	88.3	81.5
New Zealand	898	71.9	5.8	17.2	71.9	4.7	0.4	79.4	65.0
Northern Ireland	448	70.2	5.5	21.9	70.2	2.5	0.0	70.7	69.7
Norway	615	79.0	3.9	14.2	79.0	2.4	0.5	78.3	79.5
Oman	1287	21.7	15.4	45.8	21.7	17.0	0.2	26.4	16.9
Poland	687	64.6	5.3	23.5	64.6	6.7	0.0	65.9	63.3
Portugal	667	64.9	8.6	19.7	64.9	6.4	0.3	64.8	65.1
Qatar	744	28.9	10.5	46.6	28.9	13.5	0.4	32.9	24.8
Russian Federation	694	70.4	1.5	22.7	70.4	5.2	0.2	74.5	66.3
Saudi Arabia	634	12.1	3.6	51.2	12.1	32.6	0.5	18.5	6.0
Serbia	572	51.2	1.4	31.0	51.2	15.4	1.0	54.0	48.6
Singapore	923	80.9	2.9	15.2	80.9	0.8	0.1	82.8	79.0
Slovak Republic	819	52.2	6.2	29.5	52.2	11.6	0.4	56.6	48.1
Slovenia	640	61.9	4.2	27.8	61.9	5.8	0.4	62.8	61.0
Spain	1121	69.5	7.3	18.7	69.5	4.1	0.3	68.8	70.2
Sweden	592	73.8	3.7	18.3	73.8	3.7	0.5	77.7	70.1
Turkey	930	33.2	22.5	37.9	33.2	6.3	0.1	32.3	34.0
United Arab Emirates	3026	40.8	9.5	32.6	40.8	16.6	0.6	44.3	37.7
United States	1427	81.2	5.1	10.2	81.2	2.2	1.3	84.7	77.7
International Avg (n=47)	36239	55.0	7.2	28.1	55.0	9.1	0.6	57.4	52.6
Buenos Aires, Argentina	418	40.4	5.1	27.3	40.4	22.2	5.0	46.1	33.7
Ontario, Canada	657	74.5	5.7	16.2	74.5	2.6	1.1	77.5	71.4
Quebec, Canada	398	65.1	17.2	14.4	65.1	3.1	0.1	69.4	61.1
Norway (4)	595	68.8	5.0	18.3	68.8	7.6	0.3	71.0	66.6
Abu Dhabi, UAE	713	36.4	8.0	35.1	36.4	19.0	1.5	41.7	31.9
Dubai, UAE	1072	57.6	10.3	24.7	57.6	7.2	0.1	61.4	54.1
Florida, US	285	81.6	4.0	12.9	81.6	1.1	0.4	87.6	75.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S09_05 (S051010): Life Science / Reasoning Type: CR 1 Point
Label: Middle tree did not grow as well

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	59.5	11.3	25.0	59.5	3.7	0.5	61.0	57.8
Bahrain	593	37.1	4.4	49.7	37.1	8.1	0.6	41.2	33.3
Belgium (Flemish)	777	62.0	9.0	24.3	62.0	3.9	0.7	63.0	60.9
Bulgaria	607	39.2	6.8	41.5	39.2	12.2	0.3	40.0	38.5
Canada	1764	54.0	12.3	28.0	54.0	4.4	1.3	56.3	51.8
Chile	666	29.7	6.0	51.7	29.7	11.3	1.3	27.9	31.3
Chinese Taipei	614	66.3	9.1	21.4	66.3	3.1	0.0	69.4	63.3
Croatia	564	52.6	11.0	29.8	52.6	6.1	0.6	52.0	53.2
Cyprus	592	34.1	5.4	50.7	34.1	8.3	1.6	34.1	34.0
Czech Republic	742	53.5	12.5	24.6	53.5	8.4	1.0	48.8	57.8
Denmark	526	62.4	6.3	24.2	62.4	5.5	1.7	60.7	64.1
England	570	60.4	12.6	25.2	60.4	1.5	0.2	63.7	57.0
Finland	703	66.8	15.7	14.1	66.8	2.9	0.6	67.6	66.0
France	705	24.2	13.2	47.6	24.2	12.4	2.7	21.7	26.8
Georgia	563	31.5	7.5	41.8	31.5	16.2	3.0	32.6	30.4
Germany	561	58.1	10.0	21.2	58.1	9.6	1.0	54.5	61.2
Hong Kong SAR	517	51.5	11.8	32.5	51.5	4.0	0.2	50.6	52.5
Hungary	725	57.8	5.6	31.6	57.8	3.0	2.0	51.4	64.8
Indonesia	578	15.7	3.1	70.5	15.7	10.8	0.0	15.6	15.7
Iran, Islamic Rep. of	545	30.7	0.6	45.2	30.7	21.4	2.1	35.5	26.4
Ireland	623	54.2	15.6	27.9	54.2	2.1	0.2	54.4	54.0
Italy	640	47.2	5.9	37.0	47.2	10.0	0.0	46.8	47.6
Japan	633	72.1	8.6	15.7	72.1	3.1	0.4	71.7	72.7
Kazakhstan	675	53.3	2.5	37.5	53.3	5.7	1.0	51.1	55.5
Korea, Rep. of	665	78.3	6.9	13.9	78.3	0.9	0.0	78.4	78.1
Kuwait	506	16.1	2.1	39.0	16.1	40.0	2.8	16.0	16.3
Lithuania	652	54.0	13.9	27.1	54.0	4.9	0.1	59.5	48.1
Morocco	713	3.3	0.8	68.9	3.3	25.4	1.6	3.8	2.8
Netherlands	642	60.1	7.2	29.4	60.1	3.1	0.2	58.6	61.3
New Zealand	898	48.7	10.8	32.5	48.7	7.4	0.5	52.3	45.5
Northern Ireland	448	55.5	14.0	28.5	55.5	1.7	0.3	58.8	52.4
Norway	615	66.9	6.9	23.0	66.9	2.7	0.6	71.2	63.5
Oman	1288	28.9	2.8	52.3	28.9	15.8	0.2	32.6	25.1
Poland	687	54.9	11.7	26.4	54.9	6.7	0.3	56.0	53.9
Portugal	667	36.2	9.5	47.6	36.2	6.0	0.7	39.1	33.5
Qatar	744	36.6	2.9	48.9	36.6	11.2	0.4	42.2	30.7
Russian Federation	694	61.6	10.2	24.3	61.6	3.8	0.2	64.8	58.3
Saudi Arabia	634	20.9	0.6	50.5	20.9	26.6	1.4	31.5	10.8
Serbia	572	43.5	8.5	38.1	43.5	8.8	1.1	46.0	41.1
Singapore	923	75.3	6.2	17.3	75.3	1.0	0.1	76.2	74.6
Slovak Republic	819	48.0	11.9	31.8	48.0	7.5	0.7	45.4	50.6
Slovenia	640	55.1	8.4	28.7	55.1	7.3	0.4	52.6	57.5
Spain	1121	44.5	6.7	41.6	44.5	6.8	0.4	43.1	45.7
Sweden	592	62.8	10.9	19.2	62.8	6.5	0.5	62.5	63.2
Turkey	930	46.5	2.0	46.5	46.5	5.0	0.1	49.3	44.0
United Arab Emirates	3026	39.2	4.7	41.6	39.2	13.8	0.7	40.2	38.3
United States	1427	64.9	7.5	23.7	64.9	2.6	1.3	66.7	63.0
International Avg (n=47)	36245	48.4	8.0	34.5	48.4	8.4	0.8	49.3	47.6
Buenos Aires, Argentina	416	21.8	6.7	38.5	21.8	27.9	5.2	26.2	16.6
Ontario, Canada	657	58.4	10.0	26.9	58.4	3.7	1.1	59.3	57.5
Quebec, Canada	398	51.8	15.4	27.0	51.8	5.4	0.3	55.9	48.0
Norway (4)	595	59.4	5.4	27.0	59.4	7.8	0.3	61.2	57.5
Abu Dhabi, UAE	713	28.7	3.9	47.1	28.7	18.8	1.5	31.1	26.8
Dubai, UAE	1072	55.9	6.5	32.2	55.9	5.2	0.1	55.0	56.7
Florida, US	285	65.6	7.7	23.0	65.6	3.3	0.4	68.5	62.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S09_06 (S051035): Life Science / Applying Type: MC Key: B
Label: Decrease air pollution in a city

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	25.9	6.4	25.9	42.6	21.8	2.8	0.7	25.2	26.6
Bahrain	593	36.6	9.3	36.6	37.4	11.8	3.1	1.8	37.5	35.7
Belgium (Flemish)	777	39.4	2.5	39.4	40.8	10.8	5.7	0.8	37.6	41.4
Bulgaria	607	38.9	7.7	38.9	38.6	13.3	1.2	0.3	39.0	38.8
Canada	1734	28.2	2.8	28.2	45.9	19.4	1.8	1.9	28.6	27.8
Chile	666	15.7	5.4	15.7	62.7	9.7	4.8	1.7	15.8	15.5
Chinese Taipei	614	83.9	0.6	83.9	10.4	2.3	2.8	0.0	84.2	83.7
Croatia	564	31.1	1.6	31.1	47.2	16.3	3.2	0.6	31.5	30.8
Cyprus	592	33.1	3.5	33.1	45.3	13.0	1.6	3.5	34.2	32.0
Czech Republic	742	28.5	4.8	28.5	46.1	17.6	1.7	1.3	26.1	30.7
Denmark	526	18.1	6.7	18.1	48.1	20.5	4.0	2.6	14.0	22.1
England	570	15.8	6.4	15.8	44.7	30.9	2.0	0.2	14.9	16.8
Finland	703	38.0	0.4	38.0	34.0	22.8	4.1	0.6	37.9	38.2
France	705	39.9	2.6	39.9	36.4	10.5	6.7	3.8	39.8	40.1
Georgia	563	34.5	13.0	34.5	21.6	24.1	3.7	3.1	35.6	33.4
Germany	561	20.9	3.0	20.9	40.0	25.1	9.2	1.8	20.0	21.7
Hong Kong SAR	517	50.8	2.7	50.8	34.7	10.7	0.8	0.2	43.1	58.6
Hungary	725	24.7	2.9	24.7	52.6	13.7	3.7	2.3	20.7	29.1
Indonesia	578	25.6	19.4	25.6	41.2	10.5	3.1	0.1	21.3	29.2
Iran, Islamic Rep. of	545	54.3	6.6	54.3	26.1	6.5	4.1	2.4	52.3	56.2
Ireland	623	36.5	4.9	36.5	38.6	18.7	1.0	0.3	35.9	37.0
Italy	641	28.0	3.5	28.0	48.2	15.1	5.1	0.0	26.5	29.6
Japan	633	13.8	0.6	13.8	76.7	7.5	0.6	0.7	13.3	14.5
Kazakhstan	675	50.1	6.8	50.1	19.3	21.2	1.4	1.2	50.2	50.1
Korea, Rep. of	665	66.5	1.2	66.5	30.3	1.5	0.5	0.0	68.6	64.5
Kuwait	506	23.5	19.6	23.5	34.0	12.9	7.3	2.8	17.3	29.0
Lithuania	652	25.4	2.6	25.4	51.9	17.5	2.4	0.1	22.6	28.5
Morocco	713	32.1	12.7	32.1	32.4	18.3	2.7	1.8	34.8	29.8
Netherlands	642	25.6	3.5	25.6	41.0	26.2	3.3	0.3	23.9	27.7
New Zealand	898	26.4	7.4	26.4	41.3	18.3	5.2	1.3	23.8	28.9
Northern Ireland	445	25.7	5.8	25.7	43.9	23.8	0.8	0.0	28.6	22.8
Norway	615	43.4	2.4	43.4	36.4	14.8	2.5	0.6	39.3	46.6
Oman	1288	25.9	15.3	25.9	34.3	20.5	3.8	0.2	25.2	26.5
Poland	687	38.9	1.3	38.9	43.2	13.6	2.8	0.3	35.0	42.5
Portugal	667	21.5	2.5	21.5	63.2	6.9	4.8	1.1	19.0	23.9
Qatar	744	24.1	11.3	24.1	43.4	16.6	4.2	0.4	24.7	23.5
Russian Federation	694	48.6	2.4	48.6	31.4	13.8	3.5	0.4	45.9	51.4
Saudi Arabia	634	25.1	14.5	25.1	36.1	19.8	2.8	1.8	21.4	28.6
Serbia	572	17.6	0.9	17.6	58.9	17.5	4.0	1.2	13.5	21.4
Singapore	923	50.0	2.8	50.0	37.6	9.3	0.2	0.1	45.3	54.3
Slovak Republic	819	27.4	5.2	27.4	55.0	9.5	2.1	0.7	20.6	33.8
Slovenia	640	39.1	1.9	39.1	35.9	20.2	2.0	0.9	38.6	39.7
Spain	1121	41.5	2.5	41.5	43.8	6.0	5.2	0.9	40.1	43.0
Sweden	592	49.6	1.9	49.6	22.5	20.1	4.8	1.0	48.1	51.1
Turkey	930	46.2	4.8	46.2	36.0	12.3	0.6	0.1	47.6	45.1
United Arab Emirates	3026	32.0	11.6	32.0	35.2	16.8	3.5	0.9	31.7	32.3
United States	1427	29.5	4.1	29.5	43.3	19.1	1.9	2.1	27.8	31.3
International Avg (n=47)	36213	34.0	5.6	34.0	40.6	15.5	3.2	1.1	32.5	35.4
Buenos Aires, Argentina	418	13.7	7.1	13.7	45.7	9.8	17.3	6.4	9.9	18.1
Ontario, Canada	656	29.0	2.7	29.0	41.6	22.7	2.0	1.9	30.5	27.6
Quebec, Canada	380	26.9	1.5	26.9	55.7	14.5	0.9	0.6	28.8	25.1
Norway (4)	595	29.8	4.0	29.8	44.9	15.0	5.7	0.6	28.0	31.6
Abu Dhabi, UAE	713	29.7	16.7	29.7	31.3	17.5	3.1	1.7	26.4	32.4
Dubai, UAE	1072	42.1	6.8	42.1	34.8	14.0	2.0	0.3	45.3	39.1
Florida, US	285	21.5	4.8	21.5	50.0	18.4	3.8	1.4	18.7	24.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S09_07 (S051059): Physical Science / Knowing Type: CR 1 Point
Label: Difference between ice and water

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	72.3	23.0	72.3	4.0	0.7	75.7	68.6
Bahrain	593	27.9	60.1	27.9	10.3	1.8	29.5	26.3
Belgium (Flemish)	777	52.5	40.2	52.5	6.5	0.8	53.7	51.1
Bulgaria	607	45.4	37.1	45.4	17.2	0.3	49.2	42.0
Canada	1764	44.3	48.7	44.3	4.8	2.3	50.2	38.7
Chile	666	44.9	35.1	44.9	17.7	2.4	46.7	43.3
Chinese Taipei	614	43.1	48.7	43.1	8.2	0.0	42.4	43.7
Croatia	564	66.8	27.4	66.8	5.2	0.6	66.6	67.0
Cyprus	592	38.9	44.4	38.9	13.0	3.7	38.4	39.4
Czech Republic	742	56.8	29.2	56.8	12.7	1.3	54.3	59.1
Denmark	526	44.7	44.3	44.7	7.6	3.4	45.2	44.2
England	570	45.5	51.6	45.5	2.7	0.2	44.4	46.6
Finland	703	58.1	31.6	58.1	9.7	0.6	65.3	51.7
France	705	26.9	52.1	26.9	16.2	4.8	26.3	27.5
Georgia	563	49.6	27.8	49.6	19.0	3.7	52.9	46.2
Germany	561	70.4	17.4	70.4	10.3	1.9	76.4	65.3
Hong Kong SAR	517	61.4	33.9	61.4	4.6	0.2	60.9	61.9
Hungary	725	46.6	44.5	46.6	6.5	2.4	45.2	48.1
Indonesia	578	30.8	57.9	30.8	11.1	0.1	33.7	28.5
Iran, Islamic Rep. of	545	17.1	61.4	17.1	18.7	2.8	21.5	13.1
Ireland	623	48.1	49.3	48.1	2.3	0.3	44.9	50.8
Italy	640	31.8	54.8	31.8	13.5	0.0	29.6	34.0
Japan	633	69.0	25.6	69.0	4.7	0.7	74.1	63.1
Kazakhstan	675	69.2	23.6	69.2	6.0	1.2	72.7	65.8
Korea, Rep. of	665	72.2	27.1	72.2	0.6	0.0	70.8	73.6
Kuwait	506	20.8	38.3	20.8	38.2	2.8	23.7	17.9
Lithuania	652	56.8	36.0	56.8	7.1	0.1	60.9	52.6
Morocco	712	8.2	65.0	8.2	24.7	2.0	8.2	8.2
Netherlands	642	56.9	39.2	56.9	3.5	0.4	59.4	54.8
New Zealand	898	43.5	48.2	43.5	6.9	1.5	41.8	45.0
Northern Ireland	448	48.0	49.3	48.0	2.4	0.3	50.1	46.0
Norway	615	58.0	36.6	58.0	4.5	0.9	58.6	57.5
Oman	1286	34.1	47.9	34.1	17.4	0.6	38.8	29.3
Poland	687	42.8	46.4	42.8	10.5	0.3	43.5	42.2
Portugal	667	44.8	45.1	44.8	8.3	1.9	44.4	45.2
Qatar	744	27.2	60.3	27.2	12.1	0.4	29.6	24.7
Russian Federation	694	56.0	39.9	56.0	3.6	0.5	54.6	57.4
Saudi Arabia	634	12.7	58.6	12.7	26.7	1.9	16.0	9.7
Serbia	572	48.7	35.5	48.7	13.6	2.2	51.1	46.5
Singapore	923	76.0	22.9	76.0	0.9	0.1	77.8	74.5
Slovak Republic	819	43.5	44.5	43.5	11.3	0.8	42.6	44.3
Slovenia	640	49.2	43.0	49.2	6.7	1.1	50.9	47.6
Spain	1121	39.1	50.4	39.1	9.1	1.4	41.2	37.2
Sweden	592	61.0	30.2	61.0	6.9	1.9	65.6	56.6
Turkey	930	45.4	48.5	45.4	6.1	0.1	46.0	44.9
United Arab Emirates	3026	31.1	51.6	31.1	16.4	0.9	32.9	29.5
United States	1427	49.0	46.4	49.0	2.0	2.6	52.4	45.6
International Avg (n=47)	36242	46.5	42.1	46.5	10.0	1.3	48.1	45.0
Buenos Aires, Argentina	417	28.5	35.1	28.5	29.5	6.9	29.7	27.0
Ontario, Canada	657	45.5	47.4	45.5	4.3	2.7	50.6	40.4
Quebec, Canada	398	42.3	51.8	42.3	5.4	0.6	50.4	34.5
Norway (4)	595	51.7	38.2	51.7	8.5	1.6	48.8	54.7
Abu Dhabi, UAE	713	19.5	57.3	19.5	21.5	1.7	18.1	20.7
Dubai, UAE	1072	48.4	44.7	48.4	6.6	0.3	53.5	43.6
Florida, US	285	48.3	46.4	48.3	3.3	2.1	51.4	45.0

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S09_08 (S051142): Physical Science / Applying Type: MC Key: A
Label: Temperature which materials melt

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	54.8	54.8	4.3	4.0	33.6	2.3	1.0	52.9	56.9
Bahrain	593	34.7	34.7	8.2	7.2	44.6	3.4	1.9	34.1	35.2
Belgium (Flemish)	777	49.5	49.5	1.9	3.7	39.5	4.6	0.8	51.0	47.9
Bulgaria	607	55.0	55.0	5.1	4.4	33.3	1.8	0.5	56.2	53.8
Canada	1756	48.1	48.1	3.8	3.8	39.4	2.0	2.9	49.1	47.1
Chile	666	54.3	54.3	6.0	4.5	28.4	4.0	2.8	57.3	51.6
Chinese Taipei	614	37.8	37.8	5.1	0.9	55.0	1.1	0.0	38.5	37.2
Croatia	564	55.5	55.5	3.8	3.7	34.1	2.2	0.7	57.1	53.9
Cyprus	592	50.7	50.7	4.3	2.9	34.8	2.6	4.8	52.4	49.1
Czech Republic	742	56.9	56.9	1.9	1.6	35.1	3.1	1.4	53.7	59.8
Denmark	526	52.0	52.0	2.8	2.6	36.1	2.9	3.6	50.1	53.8
England	570	51.7	51.7	4.1	3.5	38.4	1.8	0.5	51.6	51.7
Finland	703	51.0	51.0	5.1	3.2	36.7	3.1	0.9	51.5	50.7
France	705	49.3	49.3	2.9	3.7	34.1	4.7	5.2	48.8	49.8
Georgia	563	23.2	23.2	8.0	5.3	54.2	4.3	5.0	22.4	23.9
Germany	561	51.8	51.8	2.4	2.3	32.7	8.8	2.1	47.0	55.9
Hong Kong SAR	517	45.8	45.8	6.5	3.9	42.4	1.3	0.2	42.7	48.9
Hungary	725	55.3	55.3	1.1	1.8	33.8	5.1	2.9	54.2	56.6
Indonesia	578	21.8	21.8	21.8	9.9	43.5	2.8	0.1	21.1	22.4
Iran, Islamic Rep. of	545	30.4	30.4	7.5	8.8	44.2	6.2	2.8	31.0	29.8
Ireland	623	59.4	59.4	3.0	4.2	32.3	0.7	0.4	56.7	61.8
Italy	641	52.2	52.2	1.9	1.5	38.9	5.5	0.0	47.1	57.3
Japan	633	55.7	55.7	1.9	2.3	37.3	2.0	0.8	55.9	55.5
Kazakhstan	675	48.2	48.2	5.2	5.6	38.8	1.1	1.2	50.8	45.6
Korea, Rep. of	665	39.5	39.5	6.3	3.4	49.8	0.9	0.0	38.3	40.8
Kuwait	506	25.7	25.7	15.2	9.8	38.2	7.6	3.5	20.3	31.8
Lithuania	652	50.0	50.0	4.0	1.9	39.8	3.6	0.6	60.5	38.8
Morocco	712	19.1	19.1	12.1	17.2	45.8	3.4	2.5	22.1	16.5
Netherlands	641	57.2	57.2	2.6	1.8	32.1	4.8	1.5	55.7	59.4
New Zealand	898	51.2	51.2	3.4	5.7	31.5	6.6	1.7	50.7	51.7
Northern Ireland	446	62.7	62.7	2.5	3.3	30.8	0.7	0.0	59.9	65.4
Norway	615	44.0	44.0	3.4	2.8	47.0	1.7	1.1	42.2	45.4
Oman	1287	31.1	31.1	10.6	11.7	42.1	3.8	0.6	32.9	29.4
Poland	687	74.3	74.3	2.5	2.3	17.3	3.4	0.3	75.5	73.1
Portugal	667	44.0	44.0	4.7	3.5	43.4	2.4	2.0	44.4	43.6
Qatar	744	35.4	35.4	11.3	7.5	41.0	4.3	0.6	34.0	36.8
Russian Federation	694	60.0	60.0	2.9	0.9	31.8	3.8	0.6	56.6	63.5
Saudi Arabia	633	26.8	26.8	10.7	12.4	44.6	3.2	2.3	27.7	25.9
Serbia	572	66.1	66.1	2.6	1.7	23.9	3.0	2.7	68.1	64.2
Singapore	923	62.1	62.1	2.9	2.0	32.4	0.4	0.1	58.8	65.2
Slovak Republic	819	45.7	45.7	3.1	7.7	39.2	3.3	1.1	42.9	48.3
Slovenia	640	52.0	52.0	1.6	6.5	35.5	2.9	1.4	55.2	49.1
Spain	1121	51.2	51.2	3.5	2.4	36.3	4.4	2.2	51.2	51.2
Sweden	592	54.9	54.9	3.8	3.0	31.1	4.9	2.3	55.9	53.9
Turkey	930	43.1	43.1	6.9	4.5	44.8	0.4	0.3	42.9	43.4
United Arab Emirates	3026	38.6	38.6	10.1	6.5	40.5	3.4	1.0	38.7	38.4
United States	1427	57.9	57.9	2.6	3.2	31.1	2.5	2.6	57.5	58.3
International Avg (n=47)	36232	47.6	47.6	5.3	4.6	37.7	3.2	1.6	47.3	47.9
Buenos Aires, Argentina	418	35.6	35.6	2.5	3.2	36.8	14.6	7.3	34.4	36.9
Ontario, Canada	656	50.9	50.9	2.7	2.4	38.7	2.2	3.1	52.1	49.6
Quebec, Canada	395	37.9	37.9	5.7	5.9	47.9	1.2	1.3	39.9	35.9
Norway (4)	595	37.4	37.4	4.6	3.2	47.2	5.7	2.0	30.5	44.4
Abu Dhabi, UAE	713	34.6	34.6	11.1	8.0	41.1	3.5	1.7	32.5	36.4
Dubai, UAE	1072	53.7	53.7	5.4	4.2	32.4	3.9	0.3	56.3	51.2
Florida, US	285	57.4	57.4	7.3	2.8	25.6	3.9	2.9	53.9	61.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S09_09A (S051131A): Physical Science / Reasoning Type: MC Key: C
Label: Flashlight: shadow on wall

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	72.5	7.9	5.6	72.5	10.5	2.7	1.0	69.7	75.6
Bahrain	593	43.0	13.0	25.5	43.0	13.0	3.3	2.1	40.9	44.9
Belgium (Flemish)	777	67.8	7.5	8.8	67.8	13.1	1.3	1.4	63.4	72.6
Bulgaria	607	51.9	9.8	21.0	51.9	14.3	2.6	0.5	51.0	52.7
Canada	1759	66.9	6.0	9.9	66.9	12.1	1.7	3.4	67.6	66.3
Chile	666	63.8	12.7	10.1	63.8	7.6	2.9	3.0	61.4	66.0
Chinese Taipei	614	77.4	2.6	10.6	77.4	9.1	0.3	0.0	73.3	81.5
Croatia	564	52.2	12.2	11.2	52.2	21.8	1.7	0.8	48.7	55.7
Cyprus	592	70.7	7.4	5.5	70.7	8.9	1.8	5.6	69.8	71.5
Czech Republic	742	76.1	6.3	5.2	76.1	8.0	1.8	2.6	71.1	80.8
Denmark	526	69.4	5.1	9.1	69.4	9.1	3.3	3.9	68.2	70.6
England	570	75.7	5.7	5.5	75.7	10.8	1.1	1.3	75.0	76.5
Finland	703	71.1	2.3	6.1	71.1	17.7	1.9	0.9	69.2	72.8
France	705	55.1	5.5	11.7	55.1	18.8	3.6	5.3	52.9	57.4
Georgia	563	42.9	13.9	12.3	42.9	20.9	4.6	5.5	41.0	44.8
Germany	561	68.8	8.8	4.6	68.8	10.7	4.5	2.6	65.1	72.0
Hong Kong SAR	517	75.4	5.7	5.1	75.4	13.2	0.3	0.2	75.0	75.9
Hungary	725	75.7	6.6	4.6	75.7	7.6	1.6	4.0	72.0	79.7
Indonesia	578	39.4	21.6	14.1	39.4	22.3	2.6	0.1	38.9	39.7
Iran, Islamic Rep. of	545	45.7	12.1	5.7	45.7	26.1	5.3	5.0	40.2	50.7
Ireland	623	70.7	7.9	4.9	70.7	15.5	0.6	0.4	68.5	72.7
Italy	641	59.0	12.2	5.3	59.0	19.2	4.3	0.0	54.3	63.8
Japan	633	78.2	6.2	3.4	78.2	10.9	0.4	0.8	75.5	81.4
Kazakhstan	675	67.6	12.7	5.3	67.6	11.6	1.7	1.2	66.8	68.3
Korea, Rep. of	665	91.2	0.7	2.5	91.2	5.3	0.3	0.0	90.2	92.2
Kuwait	506	32.7	23.4	16.7	32.7	16.3	7.5	3.5	33.4	31.1
Lithuania	652	78.4	6.1	7.6	78.4	6.5	0.5	0.9	79.5	77.1
Morocco	713	29.5	18.0	35.7	29.5	11.9	1.9	3.0	31.1	28.2
Netherlands	642	69.0	6.2	8.9	69.0	13.0	1.2	1.8	64.8	73.2
New Zealand	898	66.6	9.5	7.2	66.6	12.7	2.3	1.7	65.4	67.8
Northern Ireland	444	70.1	9.6	4.9	70.1	15.5	0.0	0.0	63.5	76.5
Norway	615	58.7	8.4	10.2	58.7	18.7	3.0	1.1	57.7	59.4
Oman	1288	33.7	24.0	19.6	33.7	18.2	3.8	0.7	33.8	33.5
Poland	687	57.2	11.9	14.6	57.2	14.7	0.8	0.7	55.1	59.2
Portugal	667	51.6	8.6	12.7	51.6	22.1	1.9	3.0	44.3	58.6
Qatar	744	48.9	13.7	18.0	48.9	15.4	3.3	0.6	49.8	48.1
Russian Federation	694	83.0	2.3	6.5	83.0	6.1	1.3	0.8	82.7	83.3
Saudi Arabia	634	28.8	20.1	33.2	28.8	12.7	2.4	2.9	27.3	30.2
Serbia	572	61.0	11.6	10.7	61.0	10.9	2.5	3.2	56.7	65.1
Singapore	923	92.5	1.9	1.9	92.5	2.8	0.9	0.1	92.6	92.3
Slovak Republic	819	64.8	11.4	13.7	64.8	7.9	1.2	1.1	66.6	63.1
Slovenia	640	52.6	8.1	18.6	52.6	15.8	2.9	2.0	50.1	54.9
Spain	1121	59.9	6.4	12.9	59.9	15.4	2.5	3.0	57.4	62.2
Sweden	592	57.5	5.8	14.6	57.5	13.6	5.7	2.9	56.9	58.0
Turkey	930	47.2	17.6	15.6	47.2	18.3	0.9	0.4	44.1	49.8
United Arab Emirates	3026	52.3	10.9	19.4	52.3	12.1	4.1	1.1	49.4	54.8
United States	1427	73.8	4.5	5.8	73.8	10.3	2.5	3.1	74.4	73.2
International Avg (n=47)	36237	61.7	9.6	11.1	61.7	13.4	2.3	1.9	59.7	63.5
Buenos Aires, Argentina	418	43.2	9.6	5.6	43.2	21.1	13.2	7.3	39.2	47.8
Ontario, Canada	657	68.8	6.2	6.2	68.8	12.7	2.1	4.0	71.2	66.4
Quebec, Canada	396	59.0	7.9	18.1	59.0	12.9	0.7	1.3	59.6	58.4
Norway (4)	595	50.1	13.6	11.2	50.1	17.1	5.5	2.6	45.5	54.8
Abu Dhabi, UAE	713	43.1	12.8	23.8	43.1	12.0	6.4	1.9	39.4	46.2
Dubai, UAE	1072	69.3	6.4	10.5	69.3	10.8	2.3	0.7	68.8	69.9
Florida, US	285	73.7	8.4	5.1	73.7	7.9	1.0	3.8	76.6	70.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S09_09B (S051131B): Physical Science / Knowing Type: MC Key: D
Label: Flashlight: color of shadow

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	44.8	29.9	11.6	8.0	44.8	4.2	1.5	42.2	47.6
Bahrain	593	29.0	37.9	12.3	14.0	29.0	4.4	2.4	29.5	28.4
Belgium (Flemish)	777	48.5	30.1	10.5	8.1	48.5	1.2	1.7	46.4	50.8
Bulgaria	607	51.8	14.1	18.6	12.0	51.8	2.8	0.7	51.9	51.6
Canada	1757	48.1	26.8	10.1	8.7	48.1	2.3	3.9	49.3	47.0
Chile	666	38.5	26.4	13.7	15.8	38.5	2.1	3.5	35.1	41.4
Chinese Taipei	614	64.3	20.6	5.0	9.8	64.3	0.3	0.0	62.3	66.3
Croatia	564	41.3	30.5	17.9	7.7	41.3	1.7	0.9	36.2	46.4
Cyprus	592	46.1	22.7	12.9	10.4	46.1	1.4	6.4	46.5	45.8
Czech Republic	742	45.7	28.8	10.7	11.0	45.7	0.9	2.9	43.4	47.8
Denmark	526	41.3	31.8	12.9	6.0	41.3	3.0	5.0	37.7	44.9
England	570	51.4	26.1	13.9	5.4	51.4	1.4	1.8	47.9	55.1
Finland	703	59.8	20.8	10.3	5.8	59.8	2.0	1.2	59.9	59.6
France	705	35.9	39.2	7.4	8.5	35.9	2.6	6.4	34.2	37.7
Georgia	563	42.8	20.9	9.9	16.6	42.8	3.5	6.4	37.1	48.5
Germany	561	48.4	24.0	11.4	7.9	48.4	4.1	4.3	43.5	52.6
Hong Kong SAR	517	65.2	18.6	8.7	6.6	65.2	0.5	0.3	69.0	61.5
Hungary	725	45.5	27.6	11.4	9.5	45.5	1.6	4.2	48.5	42.3
Indonesia	578	21.4	34.6	14.0	26.8	21.4	2.9	0.4	16.6	25.2
Iran, Islamic Rep. of	545	34.6	28.8	14.5	11.6	34.6	3.9	6.6	33.7	35.3
Ireland	623	47.7	30.2	12.7	7.9	47.7	1.0	0.4	45.6	49.5
Italy	641	38.2	34.2	14.0	9.4	38.2	4.0	0.1	32.6	44.0
Japan	633	49.9	24.0	15.6	8.5	49.9	0.9	1.0	50.4	49.5
Kazakhstan	675	49.4	22.4	11.9	13.2	49.4	1.9	1.3	50.1	48.6
Korea, Rep. of	665	77.2	11.0	7.6	4.0	77.2	0.1	0.0	74.7	79.6
Kuwait	506	29.5	27.3	13.3	18.2	29.5	8.0	3.8	28.1	31.3
Lithuania	652	44.3	33.4	12.6	7.4	44.3	1.4	0.9	45.5	43.1
Morocco	713	29.5	25.6	11.9	25.6	29.5	3.9	3.5	28.7	30.2
Netherlands	641	56.6	22.9	10.1	6.9	56.6	1.4	2.2	54.9	57.9
New Zealand	898	42.0	27.0	16.4	9.4	42.0	2.5	2.6	41.7	42.3
Northern Ireland	442	42.9	30.2	18.3	7.3	42.9	1.3	0.0	39.2	46.5
Norway	615	49.2	23.7	13.2	9.0	49.2	3.1	1.8	51.2	47.7
Oman	1288	25.3	30.6	18.6	20.3	25.3	4.5	0.8	24.9	25.6
Poland	687	45.4	32.3	12.1	8.5	45.4	0.9	0.7	42.1	48.6
Portugal	667	37.8	34.3	11.9	11.3	37.8	1.2	3.5	32.7	42.6
Qatar	744	38.5	29.1	15.1	13.1	38.5	3.2	1.0	32.8	44.3
Russian Federation	694	58.9	25.1	8.9	5.0	58.9	0.9	1.1	56.1	61.7
Saudi Arabia	634	21.7	35.5	13.4	22.3	21.7	3.9	3.3	18.8	24.4
Serbia	572	43.3	31.7	9.0	10.0	43.3	2.3	3.7	41.9	44.5
Singapore	923	74.9	14.6	6.0	3.6	74.9	0.8	0.1	72.1	77.5
Slovak Republic	819	44.8	29.7	12.5	10.2	44.8	1.5	1.3	38.2	51.0
Slovenia	640	49.8	25.5	10.3	9.3	49.8	2.0	3.2	46.3	53.0
Spain	1121	40.5	28.7	12.9	12.4	40.5	2.1	3.5	37.7	43.2
Sweden	592	51.2	23.6	9.4	7.4	51.2	4.3	4.2	49.3	53.0
Turkey	930	28.3	35.0	18.5	15.7	28.3	1.6	1.0	25.4	30.7
United Arab Emirates	3026	41.3	24.4	11.0	16.6	41.3	4.7	1.9	38.7	43.6
United States	1427	50.9	19.8	14.4	8.5	50.9	1.9	4.6	48.4	53.5
International Avg (n=47)	36232	45.0	27.1	12.3	10.9	45.0	2.4	2.4	43.0	46.9
Buenos Aires, Argentina	418	25.9	29.2	10.6	11.0	25.9	14.5	8.8	26.4	25.4
Ontario, Canada	656	47.2	26.4	11.5	7.3	47.2	2.8	4.8	48.6	45.7
Quebec, Canada	396	49.0	30.1	7.1	11.4	49.0	0.9	1.4	48.4	49.6
Norway (4)	595	40.7	31.9	13.9	5.5	40.7	5.1	2.8	35.9	45.6
Abu Dhabi, UAE	713	33.6	25.8	12.6	19.1	33.6	6.2	2.6	29.7	36.9
Dubai, UAE	1072	53.6	20.4	9.3	13.0	53.6	2.2	1.6	52.1	54.9
Florida, US	285	53.5	17.1	14.3	10.6	53.5	0.0	4.5	52.3	54.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S09_10 (S051151): Earth Science / Knowing Type: CR 1 Point
Label: Earth's features and descriptions

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	82.9	13.4	82.9	2.1	1.7	83.6	82.2
Bahrain	593	61.2	33.2	61.2	3.2	2.4	64.1	58.4
Belgium (Flemish)	777	81.5	16.0	81.5	0.8	1.7	79.5	83.7
Bulgaria	607	87.2	9.2	87.2	2.8	0.7	89.1	85.6
Canada	1764	80.4	13.9	80.4	1.7	4.1	79.9	80.8
Chile	666	71.6	19.7	71.6	5.3	3.5	70.6	72.4
Chinese Taipei	614	95.5	4.5	95.5	0.0	0.0	94.5	96.5
Croatia	564	95.8	3.1	95.8	0.1	0.9	97.4	94.3
Cyprus	592	70.9	19.1	70.9	3.6	6.4	72.2	69.7
Czech Republic	742	89.7	6.2	89.7	1.0	3.0	87.4	91.9
Denmark	526	84.0	9.3	84.0	1.8	5.0	81.9	86.0
England	570	81.6	16.2	81.6	0.1	2.0	83.2	79.9
Finland	703	88.4	8.7	88.4	1.6	1.3	92.0	85.2
France	705	66.4	24.7	66.4	2.5	6.5	66.6	66.2
Georgia	563	56.4	34.4	56.4	2.7	6.5	56.6	56.3
Germany	561	82.7	10.8	82.7	1.9	4.5	81.4	83.9
Hong Kong SAR	517	93.7	5.8	93.7	0.2	0.3	94.3	93.1
Hungary	725	83.1	12.3	83.1	0.4	4.2	81.6	84.7
Indonesia	578	53.0	44.5	53.0	1.9	0.5	53.5	52.7
Iran, Islamic Rep. of	545	54.9	32.2	54.9	6.1	6.7	57.1	52.9
Ireland	623	89.0	9.5	89.0	0.9	0.5	88.6	89.4
Italy	641	82.3	17.1	82.3	0.5	0.1	80.5	84.0
Japan	633	91.7	7.2	91.7	0.1	1.0	92.0	91.3
Kazakhstan	675	63.3	33.7	63.3	1.3	1.6	64.0	62.7
Korea, Rep. of	665	97.0	3.0	97.0	0.0	0.0	98.0	95.9
Kuwait	506	44.4	45.8	44.4	5.8	4.0	48.5	40.6
Lithuania	652	78.6	19.8	78.6	0.7	0.9	74.9	82.5
Morocco	713	22.2	70.0	22.2	4.0	3.8	20.8	23.4
Netherlands	642	83.8	13.1	83.8	0.8	2.2	85.9	81.4
New Zealand	898	81.4	13.4	81.4	2.7	2.6	83.2	79.6
Northern Ireland	448	86.5	12.6	86.5	0.6	0.3	86.8	86.2
Norway	615	88.8	8.7	88.8	0.7	1.8	85.5	91.4
Oman	1286	54.6	44.1	54.6	0.5	0.8	61.5	47.6
Poland	687	83.5	15.3	83.5	0.5	0.7	83.3	83.7
Portugal	667	82.4	13.3	82.4	0.5	3.7	80.7	84.1
Qatar	744	57.1	40.2	57.1	1.6	1.1	61.7	52.3
Russian Federation	694	91.8	6.6	91.8	0.5	1.1	93.3	90.3
Saudi Arabia	634	44.7	47.8	44.7	4.2	3.3	51.5	38.2
Serbia	572	81.3	12.7	81.3	2.3	3.7	84.3	78.6
Singapore	923	82.9	16.3	82.9	0.6	0.1	82.0	83.8
Slovak Republic	819	84.3	11.9	84.3	2.4	1.4	82.9	85.7
Slovenia	640	90.8	4.6	90.8	1.4	3.2	92.0	89.8
Spain	1121	82.8	12.5	82.8	1.1	3.5	80.9	84.6
Sweden	592	85.7	9.7	85.7	0.4	4.2	87.8	83.6
Turkey	930	68.2	29.9	68.2	0.9	1.0	67.7	68.6
United Arab Emirates	3026	59.0	37.6	59.0	1.4	2.0	57.7	60.1
United States	1427	83.1	11.5	83.1	0.6	4.7	81.8	84.5
International Avg (n=47)	36244	76.6	19.3	76.6	1.6	2.5	77.1	76.2
Buenos Aires, Argentina	418	48.4	31.9	48.4	10.9	8.8	48.7	48.2
Ontario, Canada	657	79.5	13.4	79.5	1.9	5.2	78.9	80.2
Quebec, Canada	398	82.9	15.5	82.9	0.1	1.4	81.4	84.3
Norway (4)	595	79.6	14.6	79.6	2.5	3.3	74.8	84.5
Abu Dhabi, UAE	713	50.4	45.7	50.4	1.3	2.6	49.5	51.3
Dubai, UAE	1072	75.0	22.8	75.0	0.5	1.6	74.7	75.3
Florida, US	285	82.1	12.1	82.1	1.4	4.5	84.6	79.4

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S09_11 (S051157): Earth Science / Applying Type: MC Key: C
Label: How did fish become part of rock?

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	859	49.2	25.1	10.2	49.2	11.3	2.1	2.1	46.0	52.7
Bahrain	593	36.0	26.8	15.8	36.0	13.8	4.0	3.6	33.2	38.6
Belgium (Flemish)	777	31.5	36.7	16.2	31.5	10.2	3.3	2.2	30.7	32.4
Bulgaria	607	30.6	28.0	22.1	30.6	15.0	3.4	0.9	30.0	31.1
Canada	1755	48.3	26.3	8.3	48.3	9.5	3.1	4.5	48.0	48.5
Chile	666	28.6	36.3	16.2	28.6	11.0	4.2	3.7	25.6	31.2
Chinese Taipei	614	32.7	51.7	3.2	32.7	10.6	1.7	0.0	28.2	37.2
Croatia	564	44.7	28.6	16.3	44.7	7.8	1.4	1.1	42.1	47.3
Cyprus	592	29.9	22.7	27.0	29.9	9.1	3.1	8.2	25.0	34.4
Czech Republic	742	49.3	29.7	8.3	49.3	6.3	3.0	3.4	42.6	55.5
Denmark	526	38.9	32.2	13.7	38.9	7.3	2.3	5.5	29.6	48.1
England	570	48.9	26.5	12.1	48.9	9.4	1.0	2.0	47.4	50.6
Finland	703	53.6	22.8	7.2	53.6	13.0	1.6	1.8	54.8	52.6
France	705	32.8	32.1	15.0	32.8	8.5	4.0	7.7	30.3	35.4
Georgia	563	18.5	33.8	14.8	18.5	20.4	5.4	7.1	17.0	20.1
Germany	561	45.0	25.1	12.1	45.0	7.8	4.3	5.6	36.7	52.2
Hong Kong SAR	517	48.0	35.3	8.3	48.0	7.8	0.2	0.3	45.8	50.3
Hungary	725	47.3	24.2	6.8	47.3	15.3	1.8	4.6	43.5	51.5
Indonesia	578	17.2	48.5	21.0	17.2	10.1	2.6	0.5	15.3	18.7
Iran, Islamic Rep. of	545	38.2	21.9	15.9	38.2	10.1	6.7	7.3	32.9	42.9
Ireland	623	46.1	28.5	13.4	46.1	10.1	1.0	0.8	38.3	53.0
Italy	641	44.3	27.6	11.4	44.3	12.7	3.9	0.1	42.0	46.6
Japan	633	57.0	27.1	7.7	57.0	6.6	0.5	1.0	54.7	59.7
Kazakhstan	675	37.7	21.8	15.0	37.7	21.4	2.3	1.7	37.4	38.1
Korea, Rep. of	665	74.0	11.3	7.5	74.0	7.0	0.2	0.0	72.2	75.7
Kuwait	506	18.2	33.9	18.4	18.2	15.0	10.1	4.5	14.7	20.9
Lithuania	652	37.9	32.1	13.9	37.9	12.6	2.6	0.9	35.1	40.9
Morocco	713	31.0	20.2	21.6	31.0	19.2	2.9	5.0	29.1	32.6
Netherlands	642	47.3	29.8	10.8	47.3	8.1	1.4	2.6	42.2	53.2
New Zealand	898	49.1	24.8	9.5	49.1	9.4	4.0	3.1	43.8	54.0
Northern Ireland	440	46.9	31.4	10.9	46.9	10.7	0.0	0.0	43.3	50.5
Norway	615	55.5	20.0	9.6	55.5	10.3	2.3	2.4	50.4	59.5
Oman	1285	28.3	31.1	22.6	28.3	13.6	3.6	0.8	28.7	27.9
Poland	687	47.0	19.0	17.5	47.0	13.6	1.9	1.1	43.5	50.3
Portugal	667	37.3	30.2	11.7	37.3	15.0	1.5	4.2	32.9	41.5
Qatar	744	30.7	27.4	20.1	30.7	16.1	4.4	1.3	29.0	32.3
Russian Federation	694	46.4	23.3	7.6	46.4	19.2	2.3	1.1	42.3	50.5
Saudi Arabia	634	26.7	35.2	20.2	26.7	11.8	2.1	4.0	24.3	29.0
Serbia	572	23.4	35.4	24.3	23.4	10.4	2.5	4.0	22.6	24.1
Singapore	923	47.9	29.8	14.7	47.9	6.3	1.1	0.1	42.8	52.6
Slovak Republic	819	30.1	38.4	16.7	30.1	11.2	1.8	1.8	24.3	35.5
Slovenia	640	39.5	34.1	10.3	39.5	10.6	2.0	3.5	32.4	46.0
Spain	1121	48.5	22.5	9.1	48.5	12.4	3.4	4.1	43.8	53.0
Sweden	592	61.6	13.9	8.0	61.6	6.9	5.4	4.2	57.3	65.7
Turkey	930	32.2	31.2	21.9	32.2	12.3	1.2	1.2	26.9	36.7
United Arab Emirates	3026	35.9	27.7	19.8	35.9	11.4	3.0	2.2	35.3	36.4
United States	1427	51.5	20.9	9.1	51.5	11.2	2.4	4.8	48.8	54.2
International Avg (n=47)	36226	40.5	28.6	13.9	40.5	11.5	2.7	2.8	37.1	43.7
Buenos Aires, Argentina	418	19.3	32.7	14.6	19.3	8.9	15.4	9.2	16.7	22.2
Ontario, Canada	656	49.4	21.3	9.2	49.4	11.1	3.1	5.9	50.9	47.9
Quebec, Canada	394	40.2	39.4	8.8	40.2	8.3	1.8	1.5	38.3	41.9
Norway (4)	595	40.1	25.5	13.2	40.1	11.6	4.9	4.6	37.4	42.8
Abu Dhabi, UAE	713	36.9	25.2	19.4	36.9	12.1	3.8	2.6	36.0	37.7
Dubai, UAE	1072	43.4	26.9	16.4	43.4	10.0	1.5	1.8	42.6	44.1
Florida, US	285	49.0	30.4	8.4	49.0	5.6	1.4	5.2	48.3	49.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_01 (S061071): Life Science / Knowing Type: MC Key: D
Label: Animal with a backbone

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	73.9	4.4	9.2	9.4	73.9	3.1	0.0	69.7	77.9
Bahrain	588	64.4	9.0	13.8	7.6	64.4	5.2	0.1	66.6	62.3
Belgium (Flemish)	782	35.2	25.1	17.1	16.9	35.2	5.6	0.0	32.4	37.9
Bulgaria	601	85.7	4.0	3.3	4.6	85.7	2.4	0.0	87.2	84.4
Canada	1736	79.1	3.4	8.0	8.6	79.1	0.8	0.0	82.1	76.1
Chile	682	69.9	5.3	5.7	15.2	69.9	3.9	0.0	69.8	70.0
Chinese Taipei	615	80.4	6.2	5.2	4.7	80.4	3.5	0.0	83.7	77.2
Croatia	572	87.4	1.5	4.4	5.0	87.4	1.7	0.0	92.1	83.7
Cyprus	587	77.8	5.6	9.9	4.4	77.8	2.3	0.0	78.3	77.2
Czech Republic	753	85.8	5.5	3.6	2.3	85.8	2.8	0.0	83.7	87.8
Denmark	514	83.4	3.6	3.8	5.9	83.4	3.0	0.3	86.1	81.0
England	577	74.5	3.0	12.6	8.2	74.5	1.7	0.0	79.2	69.6
Finland	704	73.5	3.9	7.9	6.7	73.5	8.0	0.0	74.9	72.4
France	704	79.3	2.6	4.2	9.0	79.3	4.8	0.0	78.4	80.2
Georgia	557	84.3	5.4	3.4	2.9	84.3	4.0	0.0	83.8	84.8
Germany	570	75.0	8.8	3.9	6.7	75.0	5.5	0.0	77.9	72.5
Hong Kong SAR	509	72.7	5.6	14.1	7.2	72.7	0.5	0.0	74.4	71.0
Hungary	720	87.9	4.0	2.3	1.5	87.9	4.2	0.0	88.1	87.7
Indonesia	577	83.2	5.6	5.2	3.6	83.2	2.4	0.0	88.0	78.8
Iran, Islamic Rep. of	548	58.3	14.0	14.1	7.0	58.3	6.7	0.0	60.0	56.7
Ireland	623	74.2	2.7	12.8	7.6	74.2	2.6	0.0	78.9	69.8
Italy	637	73.9	4.1	10.4	7.7	73.9	3.9	0.0	72.7	75.1
Japan	623	82.0	2.5	3.9	5.6	82.0	6.1	0.0	81.8	82.1
Kazakhstan	672	82.6	6.3	4.2	5.3	82.6	1.4	0.1	81.2	83.8
Korea, Rep. of	673	86.1	1.5	8.2	3.8	86.1	0.3	0.0	84.5	87.6
Kuwait	506	48.5	11.4	14.6	14.8	48.5	10.7	0.0	49.5	47.5
Lithuania	636	80.1	2.1	7.2	7.4	80.1	3.2	0.0	79.4	80.8
Morocco	708	68.9	8.6	5.6	6.3	68.9	10.4	0.1	71.0	67.0
Netherlands	639	26.5	35.7	17.2	18.7	26.5	1.8	0.2	24.2	29.2
New Zealand	884	78.9	2.8	9.5	6.8	78.9	2.0	0.0	81.0	76.7
Northern Ireland	443	76.0	2.5	10.8	9.4	76.0	1.3	0.0	79.3	72.4
Norway	622	83.7	1.4	4.2	7.3	83.7	3.4	0.0	82.2	85.2
Oman	1281	64.8	17.2	8.8	5.8	64.8	3.3	0.2	68.0	61.6
Poland	685	83.0	3.9	3.4	5.1	83.0	4.7	0.0	81.4	84.7
Portugal	665	64.4	6.1	10.6	9.5	64.4	9.4	0.0	64.5	64.3
Qatar	743	66.5	8.6	9.5	11.3	66.5	4.0	0.0	65.7	67.4
Russian Federation	694	83.0	5.6	7.7	1.9	83.0	1.8	0.0	83.5	82.5
Saudi Arabia	616	64.2	11.5	8.3	14.0	64.2	1.9	0.2	67.3	61.2
Serbia	575	80.4	2.5	5.6	4.9	80.4	6.5	0.0	83.0	78.0
Singapore	925	78.5	5.9	8.3	6.8	78.5	0.6	0.0	75.6	81.4
Slovak Republic	825	88.2	5.0	2.5	1.2	88.2	3.1	0.0	89.3	87.3
Slovenia	635	80.9	3.9	5.7	6.7	80.9	2.8	0.0	80.0	81.9
Spain	1112	74.8	7.4	7.5	4.3	74.8	6.1	0.0	74.7	74.8
Sweden	593	78.7	1.9	5.1	6.2	78.7	8.2	0.0	80.7	76.6
Turkey	926	72.5	10.4	10.0	6.1	72.5	0.9	0.1	73.1	71.9
United Arab Emirates	3012	66.6	9.3	13.3	7.2	66.6	3.5	0.0	68.8	64.7
United States	1420	81.9	3.2	7.6	4.5	81.9	2.7	0.0	82.8	81.1
International Avg (n=47)	36133	74.5	6.6	8.0	7.1	74.5	3.8	0.0	75.3	73.7
Buenos Aires, Argentina	422	68.0	8.4	5.3	5.6	68.0	12.8	0.0	63.6	73.5
Ontario, Canada	657	82.6	3.2	7.1	6.4	82.6	0.6	0.0	87.3	77.8
Quebec, Canada	395	75.9	5.1	5.7	13.3	75.9	0.1	0.0	78.9	72.9
Norway (4)	588	78.5	3.7	4.4	8.0	78.5	5.4	0.0	80.0	76.9
Abu Dhabi, UAE	711	63.1	11.3	14.0	6.6	63.1	4.9	0.0	65.0	61.4
Dubai, UAE	1054	73.9	6.1	12.1	5.7	73.9	2.2	0.0	76.9	71.2
Florida, US	286	83.1	3.7	6.3	5.5	83.1	1.4	0.0	81.3	84.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_02 (S061138): Life Science / Knowing Type: CR 1 Point
Label: Lions take care of young

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	47.6	39.4	8.6	47.6	4.4	0.0	43.5	51.3
Bahrain	589	47.3	27.3	16.6	47.3	8.7	0.1	49.1	45.6
Belgium (Flemish)	782	52.7	38.1	6.4	52.7	2.8	0.0	49.1	56.1
Bulgaria	601	58.1	27.9	4.0	58.1	10.0	0.0	62.5	54.0
Canada	1751	61.6	31.2	4.0	61.6	3.1	0.0	61.6	61.7
Chile	682	41.8	35.3	11.4	41.8	11.5	0.0	43.1	40.7
Chinese Taipei	615	54.0	25.8	10.4	54.0	9.8	0.0	56.1	51.9
Croatia	572	82.1	13.2	0.7	82.1	4.0	0.0	82.1	82.1
Cyprus	587	45.0	36.0	8.7	45.0	10.2	0.0	41.5	48.5
Czech Republic	753	75.1	16.5	1.1	75.1	7.2	0.0	76.5	73.9
Denmark	514	70.8	20.1	5.9	70.8	2.9	0.3	67.1	74.0
England	577	50.7	39.6	6.9	50.7	2.9	0.0	51.9	49.4
Finland	704	65.3	27.7	2.8	65.3	4.1	0.0	65.2	65.4
France	704	40.9	40.5	10.9	40.9	7.7	0.0	38.7	42.8
Georgia	557	37.4	32.6	18.8	37.4	11.2	0.0	33.1	41.7
Germany	570	50.0	35.4	6.9	50.0	7.7	0.0	48.1	51.8
Hong Kong SAR	509	55.9	32.1	7.1	55.9	4.8	0.0	53.7	58.2
Hungary	720	61.5	29.6	3.2	61.5	5.8	0.0	56.9	66.6
Indonesia	577	34.5	34.8	20.4	34.5	10.3	0.0	32.9	35.9
Iran, Islamic Rep. of	548	28.5	26.0	18.9	28.5	26.6	0.0	25.5	31.2
Ireland	623	60.8	32.1	5.7	60.8	1.4	0.0	61.5	60.2
Italy	637	43.1	42.6	4.5	43.1	9.8	0.0	39.4	46.7
Japan	623	65.4	27.8	3.4	65.4	3.3	0.0	64.0	66.8
Kazakhstan	672	56.1	27.0	12.8	56.1	4.0	0.1	56.7	55.6
Korea, Rep. of	673	41.1	41.8	13.9	41.1	3.2	0.0	42.8	39.6
Kuwait	506	28.0	12.5	23.3	28.0	36.2	0.0	30.1	26.0
Lithuania	636	60.2	33.5	3.8	60.2	2.5	0.0	57.6	62.6
Morocco	708	16.3	20.7	44.6	16.3	18.3	0.1	16.6	16.1
Netherlands	640	49.8	31.2	16.5	49.8	2.3	0.2	52.2	46.7
New Zealand	884	47.8	35.9	12.3	47.8	4.0	0.0	50.7	44.8
Northern Ireland	448	48.6	42.7	7.3	48.6	1.3	0.0	46.7	50.8
Norway	622	68.3	25.8	4.7	68.3	1.3	0.0	66.9	69.5
Oman	1282	28.9	24.1	34.4	28.9	12.3	0.3	34.0	23.6
Poland	685	64.5	25.7	3.6	64.5	6.2	0.0	65.1	63.8
Portugal	665	62.8	31.2	1.8	62.8	4.2	0.0	60.9	64.4
Qatar	743	37.1	26.7	22.4	37.1	13.9	0.0	37.5	36.6
Russian Federation	694	71.3	21.6	3.4	71.3	3.7	0.0	71.5	71.1
Saudi Arabia	632	26.1	19.6	25.4	26.1	28.8	0.2	31.5	20.6
Serbia	574	73.0	15.1	1.8	73.0	10.1	0.0	79.1	67.5
Singapore	925	67.1	29.3	2.8	67.1	0.9	0.0	66.2	68.0
Slovak Republic	825	58.4	32.4	4.1	58.4	5.1	0.0	58.2	58.6
Slovenia	635	75.5	18.1	1.7	75.5	4.7	0.0	71.7	79.7
Spain	1112	49.1	36.0	9.0	49.1	5.9	0.0	51.6	46.5
Sweden	593	65.3	29.1	3.2	65.3	2.4	0.0	64.0	66.8
Turkey	926	58.0	28.8	9.0	58.0	4.2	0.1	59.3	56.8
United Arab Emirates	3012	37.0	30.9	19.5	37.0	12.6	0.0	36.2	37.7
United States	1420	65.6	28.2	3.8	65.6	2.4	0.0	64.0	67.1
International Avg (n=47)	36171	52.9	29.4	10.1	52.9	7.7	0.0	52.6	53.1
Buenos Aires, Argentina	422	28.5	29.1	8.1	28.5	34.3	0.0	24.2	33.9
Ontario, Canada	661	59.0	35.2	3.5	59.0	2.3	0.0	61.8	56.1
Quebec, Canada	401	70.7	23.0	2.2	70.7	4.0	0.0	69.0	72.4
Norway (4)	588	55.0	31.9	7.4	55.0	5.7	0.0	55.6	54.4
Abu Dhabi, UAE	711	29.6	31.0	26.2	29.6	13.2	0.0	30.5	28.8
Dubai, UAE	1055	52.1	33.7	8.7	52.1	5.5	0.0	52.9	51.3
Florida, US	286	65.6	27.3	5.8	65.6	1.2	0.0	63.2	67.9

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S10_03A (S061016A): Life Science / Applying Type: MC Key: C
Label: Living things that hawk eats

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	54.3	5.1	6.1	54.3	32.8	1.7	0.0	51.0	57.3
Bahrain	589	53.6	9.1	5.0	53.6	30.8	1.2	0.2	52.9	54.3
Belgium (Flemish)	782	55.0	7.2	11.2	55.0	25.3	1.2	0.0	56.7	53.5
Bulgaria	601	67.9	5.3	7.2	67.9	18.2	1.4	0.0	65.1	70.6
Canada	1748	55.1	4.5	5.8	55.1	33.3	1.3	0.0	55.1	55.1
Chile	682	58.5	5.3	5.7	58.5	28.4	2.1	0.0	54.9	61.8
Chinese Taipei	615	57.4	4.1	5.2	57.4	32.6	0.7	0.0	54.8	60.0
Croatia	572	44.8	3.5	4.1	44.8	47.0	0.6	0.0	42.3	46.8
Cyprus	587	55.4	7.4	9.8	55.4	25.6	1.8	0.0	56.9	54.0
Czech Republic	753	55.6	3.1	13.6	55.6	26.4	1.2	0.0	49.5	61.3
Denmark	514	62.5	5.7	9.9	62.5	20.0	1.6	0.3	56.0	68.2
England	577	57.7	6.6	6.1	57.7	28.3	1.4	0.0	57.1	58.4
Finland	704	64.8	2.6	4.9	64.8	26.3	1.4	0.0	63.5	66.0
France	704	49.7	9.8	11.2	49.7	27.2	2.0	0.0	45.6	53.5
Georgia	557	42.3	11.1	9.5	42.3	36.1	1.0	0.0	38.3	46.4
Germany	570	57.7	3.5	9.5	57.7	27.5	1.8	0.0	55.5	59.8
Hong Kong SAR	509	58.5	4.3	2.8	58.5	34.0	0.4	0.0	51.6	65.4
Hungary	720	55.5	2.3	7.6	55.5	33.8	0.8	0.0	54.5	56.7
Indonesia	577	31.9	20.6	10.8	31.9	34.4	2.3	0.0	27.5	35.8
Iran, Islamic Rep. of	548	44.4	15.8	9.2	44.4	26.5	4.1	0.0	43.6	45.1
Ireland	623	58.6	6.2	8.2	58.6	26.3	0.7	0.0	57.6	59.6
Italy	637	63.6	5.7	7.6	63.6	22.3	0.7	0.0	64.0	63.3
Japan	623	63.4	4.8	7.1	63.4	24.1	0.7	0.0	62.1	64.6
Kazakhstan	672	44.7	5.1	20.5	44.7	26.8	2.8	0.1	44.5	44.8
Korea, Rep. of	673	64.9	3.1	2.1	64.9	29.9	0.0	0.0	63.0	66.6
Kuwait	503	32.1	18.7	8.8	32.1	32.4	7.5	0.4	26.8	37.5
Lithuania	636	50.0	6.8	9.1	50.0	33.6	0.4	0.0	46.5	53.3
Morocco	707	38.2	8.7	19.1	38.2	27.7	6.2	0.1	38.7	37.8
Netherlands	640	52.4	5.4	17.9	52.4	23.4	0.7	0.2	50.4	53.9
New Zealand	884	46.7	6.8	7.5	46.7	37.6	1.5	0.0	42.1	51.4
Northern Ireland	444	55.7	4.6	4.7	55.7	34.7	0.3	0.0	51.1	60.8
Norway	622	69.0	3.4	3.0	69.0	23.3	1.3	0.0	64.5	73.2
Oman	1283	49.7	13.8	10.8	49.7	22.4	2.9	0.3	50.8	48.6
Poland	685	71.6	1.3	2.1	71.6	24.5	0.5	0.0	69.7	73.6
Portugal	665	56.3	4.6	5.1	56.3	31.8	2.0	0.2	56.4	56.2
Qatar	743	48.3	12.0	9.9	48.3	28.0	1.8	0.0	47.0	49.7
Russian Federation	694	64.8	4.1	8.5	64.8	21.7	0.9	0.0	62.9	66.7
Saudi Arabia	632	41.5	12.6	9.3	41.5	34.3	2.1	0.2	39.0	44.1
Serbia	575	58.5	7.1	6.9	58.5	26.2	1.4	0.0	59.3	57.7
Singapore	925	62.5	3.2	6.0	62.5	28.1	0.3	0.0	58.1	67.0
Slovak Republic	825	48.9	5.4	12.0	48.9	32.3	1.4	0.0	50.8	47.1
Slovenia	635	55.7	3.7	6.2	55.7	33.5	0.9	0.0	51.5	60.3
Spain	1112	64.0	4.1	6.9	64.0	23.8	1.2	0.0	64.1	63.9
Sweden	593	56.8	6.2	5.8	56.8	28.7	2.5	0.0	55.6	57.8
Turkey	926	46.0	8.3	8.0	46.0	36.8	0.7	0.1	47.7	44.5
United Arab Emirates	3012	48.9	12.0	8.7	48.9	27.7	2.8	0.0	48.8	49.0
United States	1420	63.9	3.5	2.6	63.9	27.8	2.2	0.0	61.9	65.9
International Avg (n=47)	36162	54.5	6.8	8.1	54.5	29.0	1.6	0.0	52.5	56.4
Buenos Aires, Argentina	422	38.3	6.1	7.6	38.3	31.3	16.8	0.0	34.7	42.7
Ontario, Canada	661	59.5	3.8	5.0	59.5	30.9	0.9	0.0	59.4	59.5
Quebec, Canada	400	55.4	5.3	5.6	55.4	32.7	1.0	0.0	57.9	52.9
Norway (4)	588	51.4	6.9	8.3	51.4	30.6	2.8	0.0	55.2	47.3
Abu Dhabi, UAE	711	43.1	11.4	10.3	43.1	30.5	4.7	0.0	41.2	44.8
Dubai, UAE	1054	63.8	8.2	5.6	63.8	21.5	1.0	0.0	65.1	62.7
Florida, US	286	61.2	3.2	2.8	61.2	32.2	0.6	0.0	59.5	62.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_03B (S061016B): Life Science / Applying Type: CR 1 Point
Label: Animals compete for food

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	37.9	53.7	37.9	8.3	0.0	33.4	42.2
Bahrain	589	29.7	60.5	29.7	9.4	0.3	32.7	27.0
Belgium (Flemish)	782	36.7	58.3	36.7	5.0	0.0	38.2	35.3
Bulgaria	601	77.6	10.3	77.6	12.1	0.0	79.3	75.9
Canada	1751	35.3	60.4	35.3	4.3	0.0	37.3	33.3
Chile	682	35.4	52.3	35.4	12.3	0.0	41.3	30.1
Chinese Taipei	615	47.1	50.0	47.1	2.8	0.0	44.5	49.8
Croatia	572	28.3	67.3	28.3	4.4	0.0	31.4	25.8
Cyprus	587	30.8	56.9	30.8	12.1	0.2	34.2	27.2
Czech Republic	753	43.8	45.8	43.8	10.4	0.0	41.9	45.6
Denmark	514	42.7	51.5	42.7	5.5	0.3	42.4	42.9
England	577	42.4	51.7	42.4	5.9	0.0	42.5	42.2
Finland	704	50.2	45.1	50.2	4.7	0.0	57.4	44.3
France	704	47.4	40.4	47.4	12.2	0.0	50.6	44.6
Georgia	557	17.2	65.3	17.2	17.4	0.0	18.7	15.8
Germany	570	44.3	43.4	44.3	12.3	0.0	42.0	46.3
Hong Kong SAR	509	50.3	47.3	50.3	2.4	0.0	48.6	52.0
Hungary	720	40.7	54.0	40.7	5.3	0.0	41.3	40.0
Indonesia	577	12.2	72.9	12.2	14.9	0.0	13.2	11.2
Iran, Islamic Rep. of	548	14.1	62.1	14.1	23.9	0.0	15.8	12.5
Ireland	623	41.5	56.1	41.5	2.4	0.0	40.4	42.5
Italy	637	35.5	52.7	35.5	11.7	0.0	34.3	36.8
Japan	623	32.9	62.2	32.9	4.9	0.0	30.9	34.8
Kazakhstan	672	26.3	63.5	26.3	10.1	0.1	28.5	24.3
Korea, Rep. of	673	60.6	39.3	60.6	0.2	0.0	60.8	60.3
Kuwait	503	15.4	75.0	15.4	9.2	0.4	14.1	16.7
Lithuania	636	30.3	62.6	30.3	7.1	0.0	30.4	30.3
Morocco	707	14.5	62.7	14.5	22.7	0.1	16.4	12.8
Netherlands	640	29.5	64.3	29.5	6.0	0.2	27.1	31.3
New Zealand	884	30.6	62.8	30.6	6.6	0.0	29.7	31.6
Northern Ireland	448	35.4	59.8	35.4	4.3	0.4	34.1	36.9
Norway	622	54.2	42.4	54.2	3.4	0.0	55.0	53.4
Oman	1280	28.5	56.5	28.5	14.6	0.3	33.6	23.4
Poland	685	40.8	51.6	40.8	7.6	0.0	44.0	37.4
Portugal	665	43.1	50.5	43.1	6.2	0.2	41.0	44.9
Qatar	743	19.2	63.3	19.2	17.5	0.0	22.8	15.4
Russian Federation	694	52.6	38.5	52.6	9.0	0.0	55.0	50.2
Saudi Arabia	631	15.9	64.6	15.9	19.3	0.2	19.2	12.6
Serbia	575	44.7	45.4	44.7	9.8	0.0	46.2	43.5
Singapore	925	56.1	42.6	56.1	1.3	0.0	55.3	56.9
Slovak Republic	825	30.5	58.1	30.5	11.4	0.1	31.5	29.6
Slovenia	635	41.2	52.1	41.2	6.7	0.0	41.8	40.6
Spain	1112	46.3	47.0	46.3	6.7	0.0	50.9	41.2
Sweden	592	49.8	43.1	49.8	7.1	0.0	52.8	46.7
Turkey	926	19.9	73.8	19.9	6.3	0.1	22.3	17.8
United Arab Emirates	3013	29.0	57.2	29.0	13.8	0.0	28.8	29.1
United States	1420	46.9	49.2	46.9	3.9	0.0	46.9	46.9
International Avg (n=47)	36165	36.9	54.2	36.9	8.8	0.1	37.9	36.0
Buenos Aires, Argentina	422	17.0	47.8	17.0	35.2	0.0	14.4	20.3
Ontario, Canada	661	38.8	56.0	38.8	5.3	0.0	43.3	34.2
Quebec, Canada	401	32.4	66.6	32.4	1.0	0.0	31.2	33.7
Norway (4)	588	39.0	50.1	39.0	10.9	0.0	41.6	36.2
Abu Dhabi, UAE	711	23.7	58.7	23.7	17.6	0.0	21.7	25.5
Dubai, UAE	1055	45.1	48.6	45.1	6.3	0.0	46.5	43.9
Florida, US	286	42.2	54.8	42.2	3.1	0.0	40.6	43.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S10_04 (S061011): Life Science / Reasoning Type: CR 1 Point
Label: Plant left in a dark room

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	77.9	14.5	4.3	77.9	3.4	0.0	79.8	76.1
Bahrain	589	55.3	21.7	15.2	55.3	7.5	0.3	58.6	52.1
Belgium (Flemish)	782	64.9	26.2	6.3	64.9	2.5	0.0	69.8	60.4
Bulgaria	601	63.2	22.8	3.0	63.2	11.0	0.0	65.2	61.2
Canada	1751	77.4	16.4	3.0	77.4	3.2	0.0	80.5	74.2
Chile	682	66.9	16.5	5.2	66.9	11.4	0.0	69.1	65.0
Chinese Taipei	615	78.3	19.0	0.6	78.3	2.0	0.0	79.6	77.2
Croatia	572	68.3	26.1	2.7	68.3	2.9	0.0	70.0	66.9
Cyprus	587	58.8	26.8	7.3	58.8	6.9	0.2	60.6	56.9
Czech Republic	753	71.9	23.3	1.9	71.9	2.9	0.0	73.5	70.4
Denmark	514	68.2	20.2	6.8	68.2	4.5	0.3	71.8	65.0
England	577	79.4	16.4	3.5	79.4	0.6	0.1	81.3	77.5
Finland	704	77.1	20.4	1.5	77.1	1.0	0.0	82.3	72.8
France	704	54.5	30.2	6.6	54.5	8.7	0.0	57.6	51.7
Georgia	557	36.2	40.4	12.6	36.2	10.9	0.0	37.1	35.3
Germany	570	70.9	21.9	2.4	70.9	4.8	0.0	71.9	69.8
Hong Kong SAR	509	71.9	23.4	2.9	71.9	1.9	0.0	72.2	71.6
Hungary	720	69.0	25.0	4.4	69.0	1.6	0.0	69.1	68.9
Indonesia	577	31.9	34.0	23.3	31.9	10.9	0.0	32.0	31.7
Iran, Islamic Rep. of	547	45.5	27.0	11.0	45.5	16.5	0.0	46.2	44.8
Ireland	623	79.1	16.6	3.5	79.1	0.8	0.0	79.2	79.0
Italy	637	61.0	29.7	3.5	61.0	5.8	0.0	59.0	63.0
Japan	623	61.3	32.1	5.1	61.3	1.5	0.0	61.5	61.1
Kazakhstan	672	64.2	22.7	8.7	64.2	4.3	0.1	64.3	64.1
Korea, Rep. of	673	78.8	19.3	1.6	78.8	0.3	0.0	80.9	76.9
Kuwait	506	28.3	13.1	23.7	28.3	34.4	0.4	25.4	31.3
Lithuania	636	72.2	22.7	2.3	72.2	2.8	0.0	74.1	70.4
Morocco	706	8.8	21.5	50.7	8.8	18.8	0.1	10.0	7.8
Netherlands	640	72.3	22.5	3.5	72.3	1.3	0.4	80.2	64.9
New Zealand	884	73.6	17.4	5.5	73.6	3.6	0.0	75.6	71.4
Northern Ireland	448	73.4	21.5	3.8	73.4	1.0	0.4	77.1	69.4
Norway	622	76.1	19.4	3.5	76.1	1.1	0.0	75.3	76.8
Oman	1282	40.9	28.4	20.1	40.9	10.3	0.3	43.7	38.1
Poland	685	73.2	21.0	2.1	73.2	3.7	0.0	79.3	66.6
Portugal	665	67.5	26.3	3.4	67.5	2.5	0.2	68.7	66.5
Qatar	743	44.2	23.5	22.7	44.2	9.7	0.0	49.6	38.3
Russian Federation	694	72.3	23.3	1.7	72.3	2.7	0.0	76.1	68.6
Saudi Arabia	633	29.8	27.2	21.0	29.8	21.9	0.2	37.7	22.0
Serbia	575	66.4	22.1	4.0	66.4	7.5	0.0	71.6	61.6
Singapore	925	73.5	22.0	3.6	73.5	0.9	0.0	71.7	75.3
Slovak Republic	825	63.8	25.9	5.3	63.8	4.9	0.1	64.3	63.3
Slovenia	635	73.6	18.1	3.0	73.6	5.3	0.0	76.3	70.5
Spain	1112	69.9	23.4	3.4	69.9	3.2	0.0	74.3	65.3
Sweden	592	73.8	21.4	2.4	73.8	2.5	0.0	76.2	71.3
Turkey	926	43.8	39.6	12.5	43.8	4.0	0.1	44.6	43.1
United Arab Emirates	3012	48.8	22.8	17.2	48.8	11.3	0.0	51.0	46.9
United States	1420	77.4	16.6	3.9	77.4	2.2	0.0	79.1	75.7
International Avg (n=47)	36169	62.9	23.2	7.8	62.9	6.0	0.1	65.0	60.8
Buenos Aires, Argentina	422	43.7	19.7	8.1	43.7	28.6	0.0	46.3	40.4
Ontario, Canada	661	77.9	16.6	2.7	77.9	2.9	0.0	80.4	75.3
Quebec, Canada	401	77.1	18.3	2.2	77.1	2.4	0.0	82.2	71.9
Norway (4)	588	69.2	21.7	4.9	69.2	4.3	0.0	71.0	67.2
Abu Dhabi, UAE	711	44.4	17.8	22.9	44.4	14.9	0.0	48.4	40.8
Dubai, UAE	1055	64.8	23.0	8.1	64.8	4.1	0.0	66.8	63.1
Florida, US	286	74.4	19.8	4.3	74.4	1.5	0.0	71.4	77.3

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S10_06 (S061083): Physical Science / Knowing Type: CR 1 Point
Label: Temperature and state of matter (DERIVED)

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	80.8	16.5	80.8	2.7	0.0	81.4	80.2
Bahrain	589	78.1	17.8	78.1	3.7	0.4	81.1	75.2
Belgium (Flemish)	783	42.1	56.4	42.1	1.5	0.0	46.7	37.7
Bulgaria	601	83.1	14.0	83.1	3.0	0.0	84.6	81.6
Canada	1736	72.6	23.8	72.6	3.5	0.0	71.1	74.2
Chile	684	78.2	16.4	78.2	5.2	0.2	74.3	81.8
Chinese Taipei	615	89.5	10.0	89.5	0.5	0.0	88.8	90.2
Croatia	572	90.0	8.7	90.0	1.2	0.0	90.0	90.1
Cyprus	587	72.9	21.2	72.9	5.7	0.2	74.7	71.0
Czech Republic	753	79.5	18.5	79.5	2.0	0.0	78.3	80.7
Denmark	514	74.3	19.7	74.3	5.6	0.4	75.2	73.5
England	577	84.7	13.0	84.7	2.2	0.1	84.9	84.6
Finland	708	76.8	21.9	76.8	1.2	0.0	76.8	76.8
France	704	76.2	20.0	76.2	3.8	0.0	75.9	76.5
Georgia	557	35.0	35.7	35.0	11.3	0.0	34.0	36.1
Germany	571	64.1	32.7	64.1	3.2	0.0	64.3	64.1
Hong Kong SAR	509	87.6	10.8	87.6	1.5	0.0	88.8	86.5
Hungary	720	87.0	11.0	87.0	2.0	0.0	86.8	87.2
Indonesia	578	58.6	31.0	58.6	10.3	0.0	59.7	57.7
Iran, Islamic Rep. of	548	70.0	20.2	70.0	9.8	0.1	74.0	66.4
Ireland	623	78.2	20.8	78.2	0.9	0.1	80.3	76.2
Italy	638	87.2	10.6	87.2	2.2	0.0	88.2	86.2
Japan	623	68.6	28.1	68.6	3.3	0.0	66.0	71.1
Kazakhstan	672	66.7	30.3	66.7	2.9	0.1	68.2	65.4
Korea, Rep. of	673	85.6	13.7	85.6	0.6	0.0	86.5	84.8
Kuwait	511	46.8	40.3	46.8	12.3	0.6	49.8	43.9
Lithuania	636	80.6	18.0	80.6	1.4	0.0	81.1	80.1
Morocco	706	51.4	38.3	51.4	10.2	0.1	51.4	51.4
Netherlands	640	36.2	61.9	36.2	1.5	0.4	41.3	30.2
New Zealand	886	71.5	24.4	71.5	4.1	0.0	73.5	69.5
Northern Ireland	428	79.5	20.5	79.5	0.0	0.0	77.7	81.6
Norway	624	69.7	28.6	69.7	1.7	0.0	70.5	68.9
Oman	1266	42.8	48.3	42.8	8.6	0.4	43.9	41.7
Poland	685	79.0	19.1	79.0	1.8	0.0	77.2	81.0
Portugal	666	77.2	21.1	77.2	1.5	0.2	73.9	79.8
Qatar	743	66.1	21.5	66.1	12.3	0.1	70.0	61.9
Russian Federation	695	87.8	10.4	87.8	1.7	0.0	85.7	89.9
Saudi Arabia	624	55.8	28.5	55.8	15.5	0.2	67.3	44.4
Serbia	576	71.9	23.1	71.9	4.9	0.0	73.7	70.3
Singapore	926	89.3	10.3	89.3	0.4	0.0	90.1	88.4
Slovak Republic	825	74.0	22.9	74.0	3.1	0.1	72.5	75.3
Slovenia	637	77.3	19.7	77.3	2.9	0.1	72.5	82.5
Spain	1112	86.1	10.7	86.1	3.2	0.1	88.4	83.6
Sweden	593	72.4	26.4	72.4	1.2	0.0	71.3	73.8
Turkey	926	66.2	31.2	66.2	2.5	0.1	63.2	68.9
United Arab Emirates	3012	70.1	26.6	70.1	3.3	0.0	73.1	67.4
United States	1422	81.9	14.7	81.9	3.4	0.0	81.3	82.4
International Avg (n=47)	36140	72.4	23.6	72.4	4.0	0.1	73.0	71.8
Buenos Aires, Argentina	438	51.2	24.1	51.2	24.4	0.2	50.6	52.0
Ontario, Canada	654	76.4	20.6	76.4	3.0	0.0	78.4	74.3
Quebec, Canada	398	68.4	29.9	68.4	1.7	0.0	60.6	76.1
Norway (4)	589	63.8	32.5	63.8	3.8	0.0	65.0	62.4
Abu Dhabi, UAE	711	55.8	38.5	55.8	5.7	0.0	59.9	52.3
Dubai, UAE	1054	87.3	11.2	87.3	1.5	0.0	90.7	84.3
Florida, US	286	88.6	8.7	88.6	2.7	0.0	90.7	86.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S10_06B (S061083B): Physical Science / Knowing Type: MC Key: C
Label: Temperature and state of matter: oxygen

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	88.4	2.7	3.3	88.4	5.6	0.0	89.2	87.7
Bahrain	589	89.3	1.7	4.4	89.3	4.2	0.4	92.4	86.4
Belgium (Flemish)	782	61.6	4.0	31.9	61.6	2.5	0.0	65.4	57.9
Bulgaria	601	90.2	2.3	3.1	90.2	4.4	0.0	92.9	87.6
Canada	1747	84.6	2.0	9.2	84.6	4.2	0.0	83.1	86.0
Chile	683	85.2	3.6	4.8	85.2	6.2	0.2	82.7	87.4
Chinese Taipei	615	97.0	0.3	2.0	97.0	0.7	0.0	96.5	97.5
Croatia	572	93.3	0.9	3.2	93.3	2.7	0.0	93.5	93.2
Cyprus	587	87.1	1.3	4.8	87.1	6.6	0.2	90.0	84.2
Czech Republic	753	91.5	1.9	4.0	91.5	2.6	0.0	88.6	94.2
Denmark	514	88.8	0.8	4.3	88.8	5.7	0.4	87.4	90.0
England	577	92.8	0.1	3.3	92.8	3.6	0.1	91.9	93.8
Finland	704	86.4	4.1	8.3	86.4	1.1	0.0	84.5	88.0
France	704	88.4	1.8	5.4	88.4	4.4	0.0	87.7	89.1
Georgia	557	62.3	8.3	14.5	62.3	14.9	0.0	62.8	61.8
Germany	570	83.9	3.0	8.7	83.9	4.4	0.0	83.6	84.0
Hong Kong SAR	509	97.8	0.4	0.3	97.8	1.5	0.0	97.6	97.9
Hungary	720	92.0	3.2	1.6	92.0	3.2	0.0	92.2	91.8
Indonesia	577	66.7	8.4	9.0	66.7	15.9	0.0	68.8	64.7
Iran, Islamic Rep. of	547	80.3	2.3	4.6	80.3	12.7	0.1	85.1	76.0
Ireland	623	89.5	4.3	4.5	89.5	1.6	0.1	90.9	88.2
Italy	637	91.5	1.6	3.8	91.5	3.0	0.0	91.8	91.2
Japan	623	85.7	1.3	9.6	85.7	3.4	0.0	84.8	86.4
Kazakhstan	672	84.5	2.9	8.4	84.5	4.1	0.1	88.1	81.2
Korea, Rep. of	673	98.0	0.4	0.9	98.0	0.7	0.0	97.7	98.2
Kuwait	504	61.1	8.3	17.1	61.1	12.9	0.6	63.3	58.8
Lithuania	636	88.4	1.1	7.8	88.4	2.7	0.0	88.6	88.3
Morocco	706	65.1	5.5	12.8	65.1	16.5	0.1	68.1	62.4
Netherlands	640	45.4	11.3	40.8	45.4	2.1	0.4	51.1	38.9
New Zealand	884	81.5	3.9	9.9	81.5	4.6	0.0	83.2	79.7
Northern Ireland	439	90.5	3.2	6.3	90.5	0.0	0.0	89.4	91.7
Norway	622	84.7	4.5	8.8	84.7	2.0	0.0	86.6	83.0
Oman	1271	65.6	3.6	17.1	65.6	13.4	0.4	68.9	62.3
Poland	685	87.7	4.9	5.0	87.7	2.3	0.0	88.0	87.3
Portugal	665	87.6	2.0	8.4	87.6	1.7	0.2	85.0	89.8
Qatar	743	78.9	2.2	5.6	78.9	13.2	0.1	83.6	73.9
Russian Federation	694	94.7	0.4	3.2	94.7	1.8	0.0	93.9	95.4
Saudi Arabia	627	68.7	4.4	7.5	68.7	19.2	0.2	80.4	57.2
Serbia	575	85.7	1.9	6.9	85.7	5.5	0.0	88.5	83.1
Singapore	925	96.9	0.4	1.9	96.9	0.8	0.0	96.9	96.9
Slovak Republic	825	84.5	3.1	6.8	84.5	5.5	0.1	83.8	85.2
Slovenia	635	88.9	1.2	6.8	88.9	3.0	0.1	87.4	90.5
Spain	1112	91.4	2.1	2.4	91.4	4.0	0.1	94.5	88.1
Sweden	592	83.4	2.6	11.5	83.4	2.6	0.0	82.0	84.6
Turkey	926	84.8	1.7	9.3	84.8	4.2	0.1	86.6	83.1
United Arab Emirates	3012	81.4	2.7	9.7	81.4	6.2	0.0	84.9	78.3
United States	1420	89.7	2.2	4.4	89.7	3.7	0.0	90.6	88.8
International Avg (n=47)	36138	83.9	2.9	7.8	83.9	5.3	0.1	85.0	82.8
Buenos Aires, Argentina	422	61.3	7.0	7.6	61.3	23.9	0.2	58.7	64.6
Ontario, Canada	660	85.9	2.2	8.2	85.9	3.7	0.0	87.9	84.0
Quebec, Canada	401	86.9	0.3	11.0	86.9	1.8	0.0	80.9	92.9
Norway (4)	588	80.9	2.7	10.1	80.9	6.2	0.0	86.2	75.1
Abu Dhabi, UAE	711	67.8	4.8	16.9	67.8	10.5	0.0	72.4	63.7
Dubai, UAE	1054	92.7	0.8	3.6	92.7	2.9	0.0	95.5	90.3
Florida, US	286	95.4	0.5	0.5	95.4	3.5	0.0	98.2	92.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_06C (S061083C): Physical Science / Knowing Type: MC Key: B
Label: Temperature and state of matter: oil

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	90.7	1.2	90.7	4.3	3.8	0.0	92.2	89.3
Bahrain	589	89.1	4.1	89.1	2.2	4.1	0.4	91.6	86.8
Belgium (Flemish)	782	67.2	3.2	67.2	27.4	2.3	0.0	73.3	61.4
Bulgaria	601	92.2	1.9	92.2	1.3	4.6	0.0	94.1	90.4
Canada	1740	78.7	2.3	78.7	15.0	4.0	0.0	77.5	79.9
Chile	683	88.6	2.0	88.6	2.8	6.4	0.2	87.7	89.4
Chinese Taipei	615	96.5	0.6	96.5	1.9	1.0	0.0	95.9	97.2
Croatia	572	94.1	0.5	94.1	2.8	2.6	0.0	94.9	93.4
Cyprus	587	89.2	1.7	89.2	1.8	7.2	0.2	90.8	87.5
Czech Republic	753	95.2	0.6	95.2	1.6	2.6	0.0	94.7	95.6
Denmark	514	87.0	3.6	87.0	2.8	6.2	0.4	87.9	86.3
England	577	91.2	1.1	91.2	5.1	2.5	0.1	90.9	91.6
Finland	704	90.6	1.3	90.6	6.6	1.6	0.0	88.4	92.4
France	704	91.5	1.3	91.5	2.2	4.9	0.0	93.0	90.2
Georgia	557	60.0	8.4	60.0	15.5	16.1	0.0	57.7	62.3
Germany	570	91.4	0.5	91.4	4.1	4.0	0.0	90.3	92.3
Hong Kong SAR	509	95.9	1.5	95.9	0.4	2.3	0.0	96.4	95.4
Hungary	720	94.8	0.6	94.8	1.5	3.1	0.0	94.8	94.8
Indonesia	577	75.4	2.1	75.4	5.5	16.9	0.0	80.0	71.3
Iran, Islamic Rep. of	547	79.6	4.4	79.6	2.6	13.4	0.1	83.1	76.4
Ireland	623	84.7	0.9	84.7	11.6	2.7	0.1	84.6	84.7
Italy	637	95.6	0.8	95.6	1.4	2.2	0.0	95.5	95.7
Japan	623	88.3	2.4	88.3	5.1	4.2	0.0	90.7	86.0
Kazakhstan	672	77.8	5.4	77.8	10.9	5.9	0.1	78.6	77.1
Korea, Rep. of	673	87.4	11.0	87.4	1.0	0.7	0.0	87.8	87.0
Kuwait	504	69.3	6.3	69.3	8.8	14.9	0.6	72.2	66.4
Lithuania	636	94.4	1.6	94.4	1.7	2.2	0.0	96.4	92.5
Morocco	706	71.8	5.2	71.8	4.9	17.9	0.1	70.8	72.7
Netherlands	640	52.2	2.6	52.2	42.1	2.7	0.4	61.1	42.5
New Zealand	884	81.6	1.2	81.6	11.2	6.1	0.0	83.1	80.0
Northern Ireland	438	88.2	1.2	88.2	10.2	0.4	0.0	86.5	90.0
Norway	622	87.3	2.6	87.3	7.0	3.1	0.0	88.8	85.9
Oman	1273	55.0	7.3	55.0	23.8	13.5	0.3	55.1	55.0
Poland	685	91.7	3.0	91.7	3.0	2.3	0.0	93.2	90.1
Portugal	665	83.4	3.0	83.4	10.9	2.4	0.2	80.5	85.8
Qatar	743	77.1	2.7	77.1	5.6	14.4	0.1	80.6	73.4
Russian Federation	694	92.4	3.0	92.4	2.2	2.5	0.0	90.4	94.2
Saudi Arabia	629	73.6	2.4	73.6	4.6	19.2	0.2	85.3	62.0
Serbia	575	82.9	2.3	82.9	7.0	7.8	0.0	84.3	81.6
Singapore	925	95.9	1.0	95.9	1.9	1.2	0.0	96.3	95.4
Slovak Republic	825	89.1	1.0	89.1	5.0	4.8	0.1	89.7	88.5
Slovenia	635	83.1	0.9	83.1	12.9	3.0	0.1	78.5	88.3
Spain	1112	94.3	1.4	94.3	0.5	3.7	0.1	97.5	90.8
Sweden	592	83.5	1.8	83.5	8.4	6.3	0.0	85.2	81.8
Turkey	926	73.4	3.8	73.4	17.4	5.4	0.1	70.2	76.2
United Arab Emirates	3012	83.8	5.0	83.8	5.4	5.8	0.0	86.5	81.6
United States	1420	86.9	1.7	86.9	6.7	4.7	0.0	86.1	87.6
International Avg (n=47)	36134	84.3	2.6	84.3	7.2	5.7	0.1	85.3	83.3
Buenos Aires, Argentina	422	71.9	1.2	71.9	5.0	21.8	0.2	72.0	71.7
Ontario, Canada	656	82.2	1.4	82.2	13.2	3.3	0.0	84.1	80.2
Quebec, Canada	398	75.0	3.6	75.0	19.6	1.9	0.0	69.5	80.3
Norway (4)	588	82.5	4.0	82.5	7.9	5.6	0.0	85.1	79.6
Abu Dhabi, UAE	711	73.6	6.9	73.6	9.3	10.2	0.0	76.5	71.0
Dubai, UAE	1054	92.9	2.7	92.9	2.2	2.2	0.0	94.9	91.0
Florida, US	286	93.1	1.7	93.1	1.7	3.6	0.0	93.4	92.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_06D (S061083D): Physical Science / Knowing Type: MC Key: A
Label: Temperature and state of matter: salt

COUNTRY	N	DIFF %	A %	B %	C %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	87.1	87.1	4.6	3.6	4.7	0.0	87.1	87.1
Bahrain	589	82.4	82.4	8.1	4.2	4.9	0.4	86.4	78.6
Belgium (Flemish)	782	60.4	60.4	32.9	4.7	2.1	0.0	61.1	59.7
Bulgaria	601	85.8	85.8	3.8	3.0	7.4	0.0	86.3	85.4
Canada	1746	85.6	85.6	6.7	2.7	5.0	0.0	85.0	86.3
Chile	683	82.6	82.6	3.8	6.7	6.8	0.2	80.7	84.3
Chinese Taipei	615	90.6	90.6	7.3	1.4	0.8	0.0	90.1	91.0
Croatia	572	93.3	93.3	2.7	0.8	3.2	0.0	93.9	92.7
Cyprus	587	75.0	75.0	11.4	4.3	9.2	0.2	76.0	74.0
Czech Republic	753	83.5	83.5	9.5	1.2	5.8	0.0	84.7	82.5
Denmark	514	77.1	77.1	11.6	3.4	7.4	0.4	77.7	76.6
England	577	88.9	88.9	5.8	1.3	3.9	0.1	90.5	87.2
Finland	704	86.2	86.2	9.0	1.8	3.0	0.0	87.4	85.1
France	704	82.1	82.1	9.2	2.5	6.1	0.0	80.8	83.4
Georgia	557	44.7	44.7	20.5	16.9	17.9	0.0	46.4	43.0
Germany	570	70.8	70.8	11.5	12.2	5.4	0.0	72.2	69.7
Hong Kong SAR	509	87.8	87.8	8.6	1.1	2.5	0.0	88.8	86.9
Hungary	720	91.3	91.3	4.1	0.7	4.0	0.0	90.2	92.5
Indonesia	577	72.7	72.7	6.3	3.9	17.1	0.0	75.7	70.0
Iran, Islamic Rep. of	547	79.1	79.1	4.9	1.4	14.5	0.1	83.2	75.5
Ireland	623	86.1	86.1	9.9	2.0	1.9	0.1	87.5	84.9
Italy	637	91.2	91.2	2.3	3.1	3.4	0.0	91.6	90.8
Japan	623	72.3	72.3	14.4	8.8	4.5	0.0	68.8	75.6
Kazakhstan	672	76.6	76.6	10.8	3.0	9.6	0.1	77.0	76.3
Korea, Rep. of	673	96.0	96.0	2.2	1.0	0.8	0.0	96.0	96.0
Kuwait	504	60.0	60.0	17.2	6.7	15.5	0.6	64.3	55.6
Lithuania	636	86.9	86.9	6.7	3.1	3.3	0.0	89.0	84.9
Morocco	706	61.9	61.9	12.2	5.6	20.2	0.1	60.7	62.9
Netherlands	640	68.0	68.0	25.3	4.1	2.3	0.4	68.9	66.6
New Zealand	884	80.9	80.9	8.4	2.1	8.6	0.0	84.6	77.1
Northern Ireland	430	85.9	85.9	11.8	2.3	0.0	0.0	84.9	87.0
Norway	622	76.0	76.0	14.4	5.4	4.2	0.0	75.1	76.8
Oman	1272	62.0	62.0	16.7	6.6	14.4	0.3	63.8	60.1
Poland	685	83.6	83.6	6.8	5.9	3.7	0.0	82.9	84.3
Portugal	665	90.4	90.4	4.3	1.9	3.2	0.2	90.6	90.3
Qatar	743	70.8	70.8	10.1	2.7	16.3	0.1	74.6	66.8
Russian Federation	694	92.2	92.2	1.8	1.4	4.6	0.0	92.6	91.9
Saudi Arabia	632	62.0	62.0	9.6	5.6	22.7	0.2	72.7	51.3
Serbia	575	81.2	81.2	8.2	3.2	7.5	0.0	85.5	77.2
Singapore	925	91.3	91.3	4.9	1.3	2.5	0.0	92.0	90.7
Slovak Republic	825	80.7	80.7	8.1	3.5	7.6	0.1	78.8	82.4
Slovenia	635	87.7	87.7	6.7	1.6	3.9	0.1	85.0	90.7
Spain	1112	89.3	89.3	3.5	2.2	4.9	0.1	90.9	87.6
Sweden	592	87.1	87.1	9.6	1.4	1.9	0.0	85.3	89.4
Turkey	926	82.4	82.4	10.4	0.9	6.3	0.1	81.8	82.9
United Arab Emirates	3012	76.6	76.6	10.2	5.2	7.9	0.0	78.7	74.8
United States	1420	90.0	90.0	3.0	1.2	5.8	0.0	90.7	89.3
International Avg (n=47)	36134	80.3	80.3	9.2	3.6	6.8	0.1	81.2	79.5
Buenos Aires, Argentina	422	63.8	63.8	3.6	8.5	23.8	0.2	64.2	63.4
Ontario, Canada	657	87.1	87.1	6.0	2.3	4.7	0.0	88.0	86.2
Quebec, Canada	401	84.6	84.6	9.3	3.3	2.7	0.0	80.7	88.7
Norway (4)	588	72.1	72.1	14.5	6.1	7.3	0.0	72.1	72.1
Abu Dhabi, UAE	711	66.2	66.2	12.7	8.9	12.2	0.0	69.5	63.3
Dubai, UAE	1054	90.7	90.7	4.1	2.2	3.1	0.0	93.1	88.5
Florida, US	286	92.1	92.1	2.5	0.5	5.0	0.0	95.9	88.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_07 (S061034): Physical Science / Applying Type: CR 1 Point
Label: Wet clay dries

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	15.9	79.2	15.9	4.0	1.0	16.4	15.3
Bahrain	589	30.4	58.9	30.4	9.6	1.1	28.3	32.4
Belgium (Flemish)	782	4.7	91.3	4.7	4.0	0.0	4.1	5.2
Bulgaria	601	50.2	34.9	50.2	14.4	0.5	56.7	43.9
Canada	1751	22.7	69.2	22.7	6.8	1.3	23.2	22.2
Chile	683	10.2	78.5	10.2	9.0	2.3	10.0	10.4
Chinese Taipei	615	48.6	47.8	48.6	3.5	0.1	50.0	47.2
Croatia	572	24.5	70.3	24.5	4.9	0.2	25.9	23.4
Cyprus	587	18.1	70.0	18.1	10.6	1.3	16.7	19.5
Czech Republic	753	30.7	64.9	30.7	3.9	0.5	31.5	29.9
Denmark	514	13.2	79.8	13.2	4.9	2.0	9.9	16.1
England	577	18.3	78.8	18.3	2.6	0.3	18.5	18.1
Finland	704	18.7	76.9	18.7	4.2	0.1	21.0	16.8
France	704	26.6	57.3	26.6	13.3	2.8	25.3	27.8
Georgia	557	11.4	69.3	11.4	16.2	3.1	11.2	11.7
Germany	570	25.5	63.6	25.5	9.8	1.1	28.4	22.7
Hong Kong SAR	509	23.3	73.0	23.3	3.6	0.1	15.2	31.4
Hungary	720	46.5	48.1	46.5	4.8	0.6	44.1	49.1
Indonesia	577	6.6	75.3	6.6	15.8	2.3	7.2	6.0
Iran, Islamic Rep. of	547	7.3	66.3	7.3	24.0	2.5	3.5	10.7
Ireland	623	11.8	86.7	11.8	1.4	0.1	10.0	13.5
Italy	637	17.9	74.5	17.9	6.8	0.8	17.4	18.5
Japan	623	52.5	45.3	52.5	1.7	0.4	52.0	53.0
Kazakhstan	672	41.2	50.4	41.2	8.0	0.4	43.9	38.6
Korea, Rep. of	673	71.4	27.7	71.4	0.9	0.0	71.0	71.7
Kuwait	504	7.0	45.3	7.0	43.6	4.1	6.1	7.9
Lithuania	636	15.8	80.2	15.8	3.9	0.0	15.4	16.2
Morocco	706	13.2	56.3	13.2	28.7	1.8	11.3	14.9
Netherlands	640	13.9	81.5	13.9	3.9	0.6	12.5	15.6
New Zealand	884	12.7	80.1	12.7	6.3	0.9	12.2	13.3
Northern Ireland	448	9.9	86.9	9.9	2.8	0.4	8.4	11.6
Norway	622	13.7	83.5	13.7	2.1	0.7	16.0	11.5
Oman	1278	17.2	64.6	17.2	17.3	0.8	19.8	14.6
Poland	685	38.4	57.5	38.4	4.1	0.0	39.0	37.8
Portugal	665	40.9	54.2	40.9	4.4	0.5	39.9	41.8
Qatar	743	23.8	58.9	23.8	14.9	2.4	28.4	18.8
Russian Federation	694	34.3	61.2	34.3	4.1	0.5	38.3	30.5
Saudi Arabia	633	11.9	55.6	11.9	30.7	1.9	12.8	11.0
Serbia	575	23.4	68.1	23.4	6.1	2.4	22.5	24.2
Singapore	925	38.5	60.6	38.5	0.9	0.0	35.2	41.9
Slovak Republic	825	33.1	57.3	33.1	8.8	0.8	34.7	31.6
Slovenia	635	33.1	61.1	33.1	4.9	0.8	34.9	31.1
Spain	1112	16.7	76.3	16.7	5.9	1.2	16.0	17.4
Sweden	592	33.4	62.3	33.4	4.1	0.2	35.8	31.2
Turkey	926	19.3	75.1	19.3	5.1	0.5	16.7	21.7
United Arab Emirates	3013	22.0	60.1	22.0	16.8	1.0	22.4	21.7
United States	1420	26.4	69.7	26.4	3.0	0.9	24.5	28.3
International Avg (n=47)	36165	24.4	65.8	24.4	8.8	1.0	24.3	24.5
Buenos Aires, Argentina	422	6.0	57.3	6.0	28.0	8.7	4.1	8.3
Ontario, Canada	661	21.3	72.8	21.3	4.9	1.1	22.7	19.8
Quebec, Canada	401	30.0	59.9	30.0	8.9	1.2	32.2	27.7
Norway (4)	588	6.9	87.2	6.9	4.7	1.2	6.2	7.7
Abu Dhabi, UAE	711	13.3	63.6	13.3	21.5	1.6	14.2	12.5
Dubai, UAE	1055	33.1	58.3	33.1	8.3	0.3	35.6	31.0
Florida, US	286	25.1	73.2	25.1	1.3	0.3	27.5	22.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S10_08 (S061044): Physical Science / Applying Type: CR 1 Point
Label: Separate sand from pebbles

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	25.6	68.0	25.6	4.8	1.6	26.4	24.9
Bahrain	589	30.4	57.3	30.4	11.1	1.2	33.6	27.4
Belgium (Flemish)	782	43.0	51.3	43.0	5.8	0.0	43.9	42.2
Bulgaria	601	49.7	30.7	49.7	18.6	0.9	48.9	50.5
Canada	1751	28.7	64.0	28.7	5.8	1.5	28.4	28.9
Chile	683	34.0	53.0	34.0	10.5	2.4	37.2	31.2
Chinese Taipei	615	28.4	58.5	28.4	12.9	0.1	25.7	31.2
Croatia	572	44.2	46.5	44.2	9.1	0.2	43.8	44.5
Cyprus	587	22.2	63.6	22.2	12.2	2.0	23.8	20.6
Czech Republic	753	34.5	42.7	34.5	22.3	0.5	35.1	33.9
Denmark	514	66.7	26.7	66.7	4.6	2.0	68.8	64.9
England	577	45.8	49.9	45.8	3.8	0.5	49.0	42.4
Finland	704	54.0	35.9	54.0	9.9	0.1	64.6	45.1
France	704	32.6	51.4	32.6	12.7	3.2	34.6	30.8
Georgia	557	24.7	52.2	24.7	19.2	3.9	23.7	25.7
Germany	570	62.5	26.1	62.5	10.4	1.1	67.2	58.2
Hong Kong SAR	509	24.4	68.4	24.4	7.0	0.1	25.2	23.7
Hungary	720	54.9	41.2	54.9	3.2	0.8	49.3	61.0
Indonesia	577	25.5	58.5	25.5	13.1	2.8	23.2	27.7
Iran, Islamic Rep. of	548	13.6	59.9	13.6	23.6	2.9	12.6	14.5
Ireland	623	33.8	62.2	33.8	3.9	0.1	35.9	31.9
Italy	637	31.7	55.7	31.7	11.7	0.9	34.7	28.7
Japan	623	53.1	42.3	53.1	4.2	0.4	51.3	54.9
Kazakhstan	672	40.1	50.4	40.1	8.8	0.8	39.0	41.1
Korea, Rep. of	673	84.7	13.6	84.7	1.4	0.3	87.8	81.8
Kuwait	506	11.5	37.0	11.5	45.3	6.2	9.7	13.3
Lithuania	636	22.7	55.0	22.7	22.3	0.0	19.1	26.0
Morocco	708	10.7	51.2	10.7	35.1	3.0	9.5	11.8
Netherlands	640	40.8	54.2	40.8	4.2	0.8	42.2	39.8
New Zealand	884	28.2	65.2	28.2	5.4	1.2	28.9	27.5
Northern Ireland	448	26.1	69.2	26.1	3.3	1.5	22.7	29.7
Norway	622	60.4	34.7	60.4	4.1	0.7	64.3	56.9
Oman	1283	21.9	59.7	21.9	17.2	1.2	25.4	18.3
Poland	685	69.1	26.1	69.1	4.8	0.0	68.7	69.6
Portugal	665	25.7	64.3	25.7	9.2	0.7	23.4	27.7
Qatar	743	15.6	62.5	15.6	19.4	2.4	16.7	14.5
Russian Federation	694	44.7	42.7	44.7	12.0	0.6	47.8	41.8
Saudi Arabia	633	18.9	46.3	18.9	32.3	2.5	21.5	16.3
Serbia	575	52.1	32.7	52.1	12.5	2.7	56.3	48.3
Singapore	925	30.8	67.7	30.8	1.6	0.0	30.1	31.5
Slovak Republic	825	50.5	37.5	50.5	10.9	1.1	45.5	55.1
Slovenia	635	67.5	27.5	67.5	4.2	0.9	69.7	65.1
Spain	1112	39.1	49.9	39.1	9.7	1.3	41.2	36.9
Sweden	593	39.9	54.1	39.9	5.6	0.3	42.5	37.6
Turkey	926	53.8	40.1	53.8	5.4	0.7	56.1	51.7
United Arab Emirates	3013	17.7	60.0	17.7	20.8	1.5	18.9	16.6
United States	1420	33.7	61.4	33.7	4.0	0.9	34.0	33.3
International Avg (n=47)	36176	37.7	49.6	37.7	11.5	1.3	38.5	37.0
Buenos Aires, Argentina	422	16.6	48.0	16.6	25.0	10.4	19.9	12.5
Ontario, Canada	661	28.5	64.3	28.5	5.9	1.4	29.3	27.7
Quebec, Canada	401	31.5	62.8	31.5	4.3	1.3	26.7	36.4
Norway (4)	588	57.7	33.2	57.7	7.4	1.7	61.0	54.1
Abu Dhabi, UAE	711	15.1	59.0	15.1	23.9	2.0	15.4	14.9
Dubai, UAE	1055	28.9	59.8	28.9	10.3	1.0	32.5	25.7
Florida, US	286	26.0	69.7	26.0	4.0	0.3	34.5	17.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S10_09A (S061142A): Physical Science / Reasoning Type: CR 1 Point
Label: Karl dissolving sugar (DERIVED)

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	42.3	44.8	42.3	10.8	2.1	42.9	41.8
Bahrain	589	29.5	56.8	29.5	12.4	1.4	29.0	29.9
Belgium (Flemish)	782	51.1	44.4	51.1	4.2	0.3	49.0	53.0
Bulgaria	601	50.1	41.1	50.1	7.2	1.6	47.9	52.2
Canada	1740	39.2	48.2	39.2	10.3	2.3	37.6	40.8
Chile	684	21.2	45.1	21.2	30.6	3.1	19.4	22.8
Chinese Taipei	615	71.5	21.2	71.5	7.0	0.3	70.0	73.0
Croatia	572	47.4	45.8	47.4	6.5	0.2	52.9	43.0
Cyprus	587	39.9	46.7	39.9	10.8	2.6	38.8	40.9
Czech Republic	753	51.7	44.0	51.7	3.8	0.5	50.3	53.1
Denmark	514	39.8	47.3	39.8	10.4	2.5	39.9	39.8
England	577	39.3	45.9	39.3	14.0	0.8	36.4	42.4
Finland	708	61.0	30.5	61.0	7.8	0.7	67.2	56.0
France	704	38.0	44.8	38.0	13.8	3.4	35.2	40.6
Georgia	557	23.6	61.6	23.6	10.2	4.6	22.8	24.3
Germany	571	55.9	37.6	55.9	5.0	1.6	51.8	59.9
Hong Kong SAR	509	62.8	26.7	62.8	10.4	0.1	59.1	66.5
Hungary	720	51.5	41.6	51.5	5.8	1.1	49.2	54.0
Indonesia	578	10.7	73.0	10.7	13.3	3.0	11.0	10.5
Iran, Islamic Rep. of	549	7.0	75.1	7.0	13.2	4.7	5.7	8.2
Ireland	623	40.8	50.3	40.8	8.8	0.1	43.7	38.1
Italy	638	43.4	48.6	43.4	6.9	1.0	41.5	45.4
Japan	623	56.1	37.6	56.1	5.9	0.4	57.0	55.2
Kazakhstan	671	39.8	53.8	39.8	5.5	0.9	39.8	39.9
Korea, Rep. of	673	59.1	34.7	59.1	5.8	0.4	60.3	58.0
Kuwait	510	13.0	62.5	13.0	16.9	7.6	11.8	14.3
Lithuania	636	48.0	47.2	48.0	4.6	0.3	46.9	49.0
Morocco	707	10.7	73.3	10.7	12.3	3.7	6.1	14.8
Netherlands	639	47.0	46.2	47.0	5.7	1.1	45.1	49.5
New Zealand	886	39.9	48.2	39.9	10.4	1.5	40.6	39.2
Northern Ireland	326	51.8	48.2	51.8	0.0	0.0	47.9	55.9
Norway	624	44.0	48.9	44.0	5.7	1.4	44.2	43.8
Oman	1241	18.2	70.8	18.2	9.5	1.5	20.8	15.4
Poland	685	63.0	32.7	63.0	4.2	0.0	59.3	67.0
Portugal	666	37.5	49.6	37.5	11.6	1.2	34.2	40.2
Qatar	743	22.7	56.4	22.7	17.7	3.3	20.8	24.6
Russian Federation	695	53.8	39.1	53.8	5.8	1.2	51.4	56.2
Saudi Arabia	620	22.5	64.7	22.5	9.8	3.0	25.9	19.0
Serbia	576	48.4	41.1	48.4	7.3	3.2	43.1	53.2
Singapore	926	48.9	39.2	48.9	11.8	0.0	48.9	49.0
Slovak Republic	825	50.0	43.4	50.0	5.4	1.2	48.2	51.7
Slovenia	637	56.4	37.8	56.4	4.4	1.4	54.7	58.2
Spain	1112	33.5	44.2	33.5	20.7	1.6	31.9	35.3
Sweden	594	53.5	42.7	53.5	3.1	0.7	49.2	57.9
Turkey	926	27.4	56.2	27.4	15.4	1.1	27.9	27.0
United Arab Emirates	3011	27.0	58.7	27.0	12.4	1.9	27.9	26.2
United States	1422	43.4	46.7	43.4	8.7	1.2	43.0	43.8
International Avg (n=47)	36011	41.1	47.8	41.1	9.4	1.7	40.2	42.1
Buenos Aires, Argentina	438	21.0	34.0	21.0	29.8	15.1	18.3	24.4
Ontario, Canada	657	36.4	50.8	36.4	10.1	2.7	36.2	36.7
Quebec, Canada	398	41.0	50.9	41.0	6.7	1.5	39.0	42.9
Norway (4)	589	39.1	50.9	39.1	7.7	2.2	39.9	38.3
Abu Dhabi, UAE	711	23.6	62.3	23.6	11.2	2.9	24.3	23.0
Dubai, UAE	1054	34.9	49.4	34.9	14.6	1.0	34.4	35.5
Florida, US	286	38.5	53.5	38.5	7.7	0.3	39.4	37.5

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S10_09AA (S061142AA): Physical Science / Reasoning Type: MC Key: B
Label: Karl dissolving sugar: temperature

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	63.5	11.4	63.5	23.2	1.9	62.2	64.8
Bahrain	589	48.9	16.0	48.9	33.7	1.4	46.5	51.1
Belgium (Flemish)	782	80.6	9.3	80.6	10.0	0.1	83.2	78.3
Bulgaria	601	70.5	7.4	70.5	20.5	1.6	71.2	69.7
Canada	1748	61.2	16.3	61.2	20.1	2.3	61.1	61.4
Chile	683	34.1	16.6	34.1	46.4	2.9	31.3	36.6
Chinese Taipei	615	85.4	4.6	85.4	9.7	0.3	87.6	83.3
Croatia	572	75.8	10.0	75.8	14.0	0.2	82.6	70.4
Cyprus	587	59.7	11.5	59.7	26.2	2.6	59.0	60.3
Czech Republic	753	76.0	10.4	76.0	13.1	0.5	75.7	76.3
Denmark	514	62.5	8.8	62.5	26.1	2.5	63.4	61.7
England	577	62.0	11.7	62.0	25.5	0.8	59.8	64.3
Finland	704	79.3	7.6	79.3	12.9	0.2	87.2	72.7
France	704	60.0	10.8	60.0	25.8	3.4	58.0	61.8
Georgia	557	44.9	10.5	44.9	40.0	4.6	43.0	46.7
Germany	570	78.5	9.6	78.5	10.6	1.3	79.8	77.5
Hong Kong SAR	509	81.7	5.5	81.7	12.7	0.1	79.7	83.6
Hungary	720	74.4	7.7	74.4	16.7	1.1	72.5	76.5
Indonesia	577	22.5	11.2	22.5	63.4	2.9	20.6	24.3
Iran, Islamic Rep. of	548	24.2	10.9	24.2	61.0	3.8	24.8	23.7
Ireland	623	67.2	13.3	67.2	19.4	0.1	67.8	66.6
Italy	637	61.7	11.2	61.7	26.1	1.0	61.2	62.1
Japan	623	73.1	6.0	73.1	20.6	0.4	73.5	72.7
Kazakhstan	671	59.7	10.3	59.7	29.1	0.9	59.1	60.3
Korea, Rep. of	673	81.4	4.4	81.4	13.8	0.4	82.3	80.6
Kuwait	503	31.9	21.9	31.9	40.0	6.2	29.5	34.3
Lithuania	636	68.1	5.7	68.1	25.9	0.3	69.9	66.4
Morocco	707	32.8	11.3	32.8	52.3	3.7	26.4	38.4
Netherlands	639	74.6	13.2	74.6	11.2	1.1	74.3	75.7
New Zealand	884	63.1	11.9	63.1	23.6	1.3	64.9	61.2
Northern Ireland	351	80.8	19.2	80.8	0.0	0.0	74.6	87.4
Norway	622	65.6	14.0	65.6	19.5	1.0	65.1	66.0
Oman	1253	37.3	14.4	37.3	46.9	1.4	39.4	35.1
Poland	685	85.9	6.5	85.9	7.6	0.0	85.6	86.3
Portugal	665	60.4	11.9	60.4	26.6	1.1	58.2	62.2
Qatar	743	44.1	18.8	44.1	33.8	3.3	38.9	49.7
Russian Federation	694	76.5	4.7	76.5	17.8	1.0	77.3	75.7
Saudi Arabia	628	40.1	21.2	40.1	35.7	3.0	44.8	35.5
Serbia	575	71.6	4.4	71.6	20.9	3.1	71.5	71.7
Singapore	925	72.9	6.4	72.9	20.8	0.0	74.4	71.4
Slovak Republic	825	74.6	9.9	74.6	14.3	1.2	72.1	77.0
Slovenia	635	82.2	5.2	82.2	11.6	1.0	79.2	85.6
Spain	1112	50.0	16.5	50.0	31.9	1.6	48.6	51.5
Sweden	593	79.8	9.8	79.8	10.0	0.5	79.3	80.7
Turkey	926	53.5	10.3	53.5	35.2	1.1	53.6	53.3
United Arab Emirates	3012	48.4	17.9	48.4	31.9	1.9	46.9	49.7
United States	1420	60.4	18.3	60.4	20.3	1.1	59.3	61.4
International Avg (n=47)	36034	62.6	11.2	62.6	24.6	1.5	62.3	63.1
Buenos Aires, Argentina	422	33.2	8.0	33.2	47.3	11.5	31.0	36.1
Ontario, Canada	659	60.1	18.4	60.1	18.8	2.7	62.5	57.7
Quebec, Canada	401	66.3	13.2	66.3	19.1	1.4	66.9	65.6
Norway (4)	588	59.3	13.3	59.3	25.4	2.0	62.5	55.9
Abu Dhabi, UAE	711	46.4	16.1	46.4	34.6	2.9	45.3	47.3
Dubai, UAE	1054	53.8	14.6	53.8	30.6	1.0	53.2	54.4
Florida, US	286	57.9	19.7	57.9	22.1	0.3	59.3	56.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_09AB (S061142AB): Physical Science / Reasoning Type: MC Key: A
Label: Karl dissolving sugar: stirring

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	63.3	63.3	11.0	23.8	1.9	62.3	64.1
Bahrain	589	59.1	59.1	9.5	30.0	1.4	59.9	58.4
Belgium (Flemish)	782	82.0	82.0	8.7	9.2	0.1	84.7	79.5
Bulgaria	601	76.5	76.5	4.5	17.4	1.6	79.0	74.1
Canada	1745	65.8	65.8	10.9	21.0	2.3	66.3	65.2
Chile	683	42.9	42.9	8.8	45.3	2.9	42.0	43.8
Chinese Taipei	615	88.4	88.4	3.1	8.2	0.3	88.5	88.4
Croatia	572	79.0	79.0	8.0	12.7	0.2	80.9	77.5
Cyprus	587	66.2	66.2	8.0	23.2	2.6	70.0	62.3
Czech Republic	753	78.2	78.2	7.2	14.2	0.5	78.0	78.3
Denmark	514	65.7	65.7	8.3	23.4	2.5	65.9	65.5
England	577	67.8	67.8	6.4	25.0	0.8	66.5	69.3
Finland	704	78.8	78.8	8.3	12.6	0.2	85.6	73.1
France	704	65.8	65.8	7.7	23.1	3.4	63.7	67.6
Georgia	557	50.9	50.9	8.4	36.1	4.6	50.4	51.5
Germany	570	76.1	76.1	9.0	13.7	1.3	75.2	76.7
Hong Kong SAR	509	78.4	78.4	7.9	13.6	0.1	78.2	78.5
Hungary	720	82.6	82.6	3.7	12.6	1.1	79.7	85.8
Indonesia	577	47.0	47.0	5.9	44.2	2.9	51.1	43.3
Iran, Islamic Rep. of	548	44.8	44.8	5.8	45.6	3.8	48.6	41.4
Ireland	623	65.2	65.2	13.2	21.5	0.1	69.0	61.6
Italy	637	73.8	73.8	4.9	20.3	1.0	70.5	77.1
Japan	623	78.3	78.3	5.4	15.9	0.4	77.7	78.8
Kazakhstan	671	61.8	61.8	7.8	29.5	0.9	62.8	60.9
Korea, Rep. of	673	79.7	79.7	5.3	14.6	0.4	83.3	76.5
Kuwait	503	36.6	36.6	15.5	41.7	6.2	37.2	36.0
Lithuania	636	76.6	76.6	2.3	20.8	0.3	77.7	75.4
Morocco	707	32.8	32.8	8.4	55.1	3.7	27.3	37.7
Netherlands	639	77.0	77.0	11.2	10.8	1.1	77.7	77.0
New Zealand	884	59.8	59.8	12.2	26.7	1.3	63.2	56.2
Northern Ireland	348	82.4	82.4	16.8	0.8	0.0	82.4	82.3
Norway	622	72.4	72.4	9.8	16.8	1.0	71.6	73.1
Oman	1249	46.1	46.1	14.6	37.9	1.4	45.4	46.8
Poland	685	84.6	84.6	7.4	8.0	0.0	84.5	84.8
Portugal	665	68.2	68.2	5.7	25.0	1.1	68.1	68.2
Qatar	743	47.4	47.4	12.3	37.0	3.3	47.1	47.7
Russian Federation	694	82.3	82.3	2.4	14.3	1.0	85.1	79.5
Saudi Arabia	628	46.9	46.9	13.9	36.2	3.0	51.9	42.0
Serbia	575	76.6	76.6	2.5	17.8	3.1	78.2	75.2
Singapore	925	64.6	64.6	13.5	21.9	0.0	65.2	63.9
Slovak Republic	825	71.6	71.6	8.4	18.8	1.2	72.3	70.9
Slovenia	635	79.0	79.0	7.7	12.3	1.0	80.7	77.0
Spain	1112	61.9	61.9	5.7	30.8	1.6	59.3	64.6
Sweden	593	83.1	83.1	7.7	8.7	0.5	81.8	84.8
Turkey	926	56.9	56.9	7.0	35.0	1.1	61.0	53.2
United Arab Emirates	3011	54.4	54.4	12.2	31.5	1.9	56.0	52.9
United States	1420	69.0	69.0	10.9	19.0	1.1	68.8	69.2
International Avg (n=47)	36023	67.0	67.0	8.4	23.1	1.5	67.7	66.3
Buenos Aires, Argentina	422	42.3	42.3	4.6	41.6	11.5	39.1	46.4
Ontario, Canada	659	64.9	64.9	11.4	20.9	2.7	65.7	64.2
Quebec, Canada	399	68.7	68.7	12.2	17.7	1.5	71.6	65.6
Norway (4)	588	66.2	66.2	10.9	21.0	2.0	70.5	61.4
Abu Dhabi, UAE	711	49.4	49.4	12.5	35.2	2.9	51.8	47.3
Dubai, UAE	1054	58.1	58.1	10.1	30.8	1.0	57.0	59.1
Florida, US	286	68.8	68.8	9.6	21.3	0.3	65.2	72.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_09AC (S061142AC): Physical Science / Reasoning Type: MC Key: A
Label: Karl dissolving sugar: size

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	62.1	62.1	14.0	22.0	1.9	64.2	60.2
Bahrain	589	51.6	51.6	16.5	30.5	1.4	47.6	55.4
Belgium (Flemish)	781	61.5	61.5	27.2	11.2	0.1	57.5	65.3
Bulgaria	601	60.7	60.7	17.1	20.6	1.6	58.7	62.6
Canada	1744	59.7	59.7	18.5	19.5	2.3	58.6	60.8
Chile	683	42.1	42.1	11.5	43.4	2.9	39.9	44.1
Chinese Taipei	615	76.5	76.5	13.7	9.6	0.3	75.1	77.8
Croatia	572	59.2	59.2	25.9	14.7	0.2	63.6	55.7
Cyprus	587	54.5	54.5	15.8	27.1	2.6	55.4	53.5
Czech Republic	753	65.9	65.9	17.9	15.6	0.5	63.9	67.8
Denmark	514	59.2	59.2	13.6	24.6	2.5	60.6	58.0
England	577	51.5	51.5	20.7	27.0	0.8	48.4	54.7
Finland	704	72.9	72.9	14.8	12.1	0.2	77.0	69.5
France	704	50.2	50.2	19.2	27.2	3.4	48.1	52.0
Georgia	557	47.2	47.2	13.5	34.7	4.6	45.0	49.3
Germany	570	69.9	69.9	17.5	11.3	1.3	65.3	74.5
Hong Kong SAR	509	72.4	72.4	14.4	13.1	0.1	68.5	76.4
Hungary	720	59.7	59.7	20.8	18.3	1.1	57.9	61.7
Indonesia	577	37.5	37.5	6.8	52.8	2.9	39.6	35.6
Iran, Islamic Rep. of	548	29.6	29.6	9.5	57.1	3.8	28.6	30.5
Ireland	623	59.2	59.2	20.8	19.9	0.1	61.8	56.8
Italy	637	58.5	58.5	13.8	26.7	1.0	57.9	59.1
Japan	623	67.6	67.6	12.3	19.8	0.4	69.2	66.0
Kazakhstan	671	56.6	56.6	11.5	31.0	0.9	57.9	55.3
Korea, Rep. of	673	66.8	66.8	14.8	18.0	0.4	63.7	69.6
Kuwait	503	41.4	41.4	15.4	37.0	6.2	41.5	41.4
Lithuania	636	58.2	58.2	12.7	28.8	0.3	53.2	63.1
Morocco	707	37.3	37.3	7.8	51.2	3.7	36.5	38.0
Netherlands	639	60.9	60.9	25.5	12.5	1.1	58.1	64.6
New Zealand	884	59.9	59.9	14.5	24.2	1.3	58.8	61.1
Northern Ireland	354	69.0	69.0	29.8	1.2	0.0	66.7	71.4
Norway	622	63.1	63.1	18.1	17.8	1.0	61.6	64.5
Oman	1257	48.4	48.4	11.5	38.7	1.4	52.7	44.0
Poland	685	73.6	73.6	19.0	7.4	0.0	69.5	78.1
Portugal	665	52.8	52.8	19.3	26.8	1.1	50.9	54.4
Qatar	743	43.8	43.8	15.1	37.9	3.3	45.4	42.1
Russian Federation	694	60.9	60.9	18.5	19.6	1.0	57.0	64.6
Saudi Arabia	629	48.0	48.0	15.7	33.3	3.0	50.1	46.0
Serbia	575	59.0	59.0	18.1	19.8	3.1	57.0	60.8
Singapore	925	66.3	66.3	12.3	21.4	0.0	66.5	66.1
Slovak Republic	825	65.2	65.2	17.2	16.3	1.2	62.4	67.8
Slovenia	635	67.5	67.5	17.0	14.5	1.0	64.8	70.6
Spain	1112	51.3	51.3	12.9	34.2	1.6	50.2	52.5
Sweden	593	67.1	67.1	23.6	8.9	0.5	65.9	68.5
Turkey	926	41.4	41.4	19.4	38.2	1.1	43.1	39.8
United Arab Emirates	3012	51.3	51.3	14.4	32.3	1.9	52.3	50.5
United States	1420	64.2	64.2	16.3	18.4	1.1	64.0	64.5
International Avg (n=47)	36037	57.5	57.5	16.5	24.4	1.5	56.6	58.4
Buenos Aires, Argentina	422	34.7	34.7	9.3	44.6	11.5	31.8	38.2
Ontario, Canada	658	55.9	55.9	22.0	19.3	2.7	54.3	57.6
Quebec, Canada	400	63.7	63.7	18.2	16.7	1.5	65.1	62.3
Norway (4)	588	59.6	59.6	15.2	23.1	2.0	58.2	61.2
Abu Dhabi, UAE	711	50.0	50.0	13.5	33.6	2.9	49.3	50.7
Dubai, UAE	1054	55.6	55.6	13.7	29.6	1.0	56.2	55.1
Florida, US	286	59.1	59.1	20.1	20.5	0.3	60.2	58.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_09B (S061142B): Physical Science / Reasoning Type: CR 1 Point
Label: Importance of controlling amount of water

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	30.9	52.7	30.9	14.1	2.2	32.9	29.1
Bahrain	589	13.7	60.8	13.7	23.5	1.9	16.6	11.0
Belgium (Flemish)	782	49.8	30.7	49.8	19.4	0.1	54.7	45.3
Bulgaria	601	20.9	40.0	20.9	36.9	2.2	20.3	21.4
Canada	1751	32.3	52.7	32.3	12.4	2.6	35.1	29.3
Chile	683	12.1	64.3	12.1	20.1	3.6	12.6	11.6
Chinese Taipei	615	58.8	28.5	58.8	12.4	0.3	61.5	56.1
Croatia	572	41.4	34.3	41.4	23.8	0.5	51.0	33.6
Cyprus	587	8.6	63.0	8.6	25.0	3.3	8.2	9.0
Czech Republic	753	23.7	45.3	23.7	30.2	0.8	25.8	21.7
Denmark	514	22.3	59.4	22.3	15.1	3.2	23.3	21.4
England	577	57.4	28.0	57.4	13.7	0.9	59.7	55.0
Finland	704	32.9	44.5	32.9	22.1	0.5	39.4	27.5
France	704	14.2	50.4	14.2	30.6	4.8	18.1	10.7
Georgia	557	11.0	43.8	11.0	40.0	5.3	12.5	9.5
Germany	570	26.0	43.5	26.0	29.1	1.4	29.0	23.1
Hong Kong SAR	509	21.0	66.0	21.0	12.9	0.1	25.2	16.8
Hungary	720	26.0	52.9	26.0	19.1	1.9	29.7	22.0
Indonesia	577	5.0	56.1	5.0	35.8	3.1	6.5	3.7
Iran, Islamic Rep. of	548	12.7	44.0	12.7	37.8	5.5	13.6	11.9
Ireland	623	41.2	46.4	41.2	12.0	0.4	43.6	39.0
Italy	637	22.3	52.5	22.3	24.0	1.2	22.5	22.1
Japan	623	49.5	40.4	49.5	9.2	0.9	54.3	45.0
Kazakhstan	672	18.3	45.4	18.3	34.9	1.4	20.4	16.4
Korea, Rep. of	673	36.7	60.3	36.7	2.5	0.5	35.6	37.7
Kuwait	503	4.3	76.3	4.3	12.0	7.3	3.1	5.5
Lithuania	636	16.2	60.3	16.2	23.0	0.5	17.9	14.7
Morocco	707	1.1	39.6	1.1	55.0	4.3	1.0	1.2
Netherlands	640	31.2	53.5	31.2	13.2	2.2	31.6	31.1
New Zealand	884	16.7	63.7	16.7	18.0	1.6	18.2	15.1
Northern Ireland	448	32.4	53.7	32.4	12.1	1.8	33.6	31.0
Norway	622	36.2	50.6	36.2	11.8	1.4	40.3	32.4
Oman	1282	11.9	57.6	11.9	28.2	2.3	14.7	9.1
Poland	685	23.9	54.9	23.9	21.0	0.2	25.4	22.2
Portugal	665	16.6	66.9	16.6	15.3	1.2	14.9	18.0
Qatar	742	11.1	56.7	11.1	28.1	4.1	10.7	11.5
Russian Federation	694	38.9	41.0	38.9	19.1	1.0	44.4	33.6
Saudi Arabia	633	3.5	59.3	3.5	34.3	3.0	5.5	1.5
Serbia	575	26.9	46.9	26.9	22.5	3.8	31.0	23.1
Singapore	925	78.4	17.1	78.4	4.4	0.1	81.6	75.1
Slovak Republic	825	15.5	52.4	15.5	30.3	1.8	16.5	14.7
Slovenia	635	32.9	39.3	32.9	26.5	1.3	37.4	27.8
Spain	1112	21.6	59.2	21.6	17.6	1.6	21.6	21.6
Sweden	593	24.0	57.7	24.0	17.6	0.6	26.8	21.5
Turkey	926	28.1	54.9	28.1	15.9	1.2	29.4	26.8
United Arab Emirates	3013	14.0	48.4	14.0	35.2	2.4	15.1	13.1
United States	1420	25.3	71.5	25.3	1.8	1.4	26.6	24.0
International Avg (n=47)	36170	25.5	50.8	25.5	21.7	2.0	27.6	23.5
Buenos Aires, Argentina	422	6.4	41.9	6.4	35.1	16.6	6.0	6.8
Ontario, Canada	661	33.2	52.5	33.2	11.5	2.8	36.0	30.4
Quebec, Canada	401	34.2	54.1	34.2	10.1	1.5	38.9	29.6
Norway (4)	588	22.5	53.3	22.5	21.1	3.2	23.9	20.9
Abu Dhabi, UAE	711	9.3	48.5	9.3	38.6	3.7	10.1	8.5
Dubai, UAE	1055	29.4	48.5	29.4	20.8	1.3	32.9	26.2
Florida, US	286	29.3	67.7	29.3	2.3	0.7	37.2	21.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S10_10A (S061115A): Earth Science / Applying Type: MC Key: B
Label: Rainfall for different crops

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	55.3	7.9	55.3	4.5	28.9	1.1	2.3	55.8	54.8
Bahrain	589	42.7	7.0	42.7	5.7	40.8	1.7	2.0	47.6	38.1
Belgium (Flemish)	782	57.3	7.6	57.3	5.5	27.9	1.5	0.2	56.6	57.9
Bulgaria	601	67.2	8.4	67.2	5.3	14.4	1.5	3.2	72.1	62.4
Canada	1750	55.7	8.1	55.7	5.9	26.0	1.4	2.9	53.4	58.0
Chile	683	50.8	6.4	50.8	3.1	33.3	2.5	4.1	49.3	52.1
Chinese Taipei	615	62.7	5.0	62.7	3.4	28.5	0.2	0.3	61.5	63.9
Croatia	572	58.7	8.7	58.7	5.6	25.5	1.0	0.6	59.2	58.3
Cyprus	587	49.5	10.1	49.5	10.5	24.4	1.9	3.7	52.8	46.2
Czech Republic	753	63.5	10.5	63.5	3.8	19.8	1.5	1.0	58.2	68.3
Denmark	514	59.2	8.7	59.2	3.3	23.6	1.8	3.4	54.3	63.5
England	577	65.0	6.3	65.0	3.6	23.4	0.8	0.9	64.7	65.4
Finland	704	67.4	5.6	67.4	3.8	19.5	3.1	0.6	69.1	66.0
France	704	55.1	9.3	55.1	5.0	23.9	1.4	5.2	51.3	58.5
Georgia	557	49.8	9.8	49.8	7.6	23.3	3.3	6.2	50.6	48.9
Germany	570	61.7	8.8	61.7	6.4	20.1	1.3	1.6	61.0	62.5
Hong Kong SAR	509	69.5	4.4	69.5	4.2	20.9	0.8	0.1	70.8	68.3
Hungary	720	64.8	5.3	64.8	4.6	21.4	1.5	2.3	59.8	70.4
Indonesia	577	35.2	5.3	35.2	8.2	47.1	0.7	3.5	28.0	41.7
Iran, Islamic Rep. of	548	33.9	15.3	33.9	8.9	33.4	1.9	6.7	33.0	34.6
Ireland	623	64.1	8.9	64.1	5.7	19.9	1.0	0.5	63.1	65.1
Italy	637	59.5	5.4	59.5	5.5	27.2	1.2	1.3	56.3	62.8
Japan	623	55.1	5.9	55.1	4.6	32.8	0.4	1.2	54.7	55.5
Kazakhstan	672	49.5	6.4	49.5	7.3	34.1	1.1	1.5	49.8	49.2
Korea, Rep. of	673	72.8	1.6	72.8	2.0	23.0	0.1	0.5	72.9	72.8
Kuwait	504	40.5	9.8	40.5	9.3	27.6	5.9	6.9	40.2	40.9
Lithuania	636	59.6	11.6	59.6	5.5	21.8	1.0	0.5	55.1	63.8
Morocco	707	35.2	8.6	35.2	13.7	33.9	3.6	5.0	30.5	39.3
Netherlands	640	66.5	6.3	66.5	6.6	16.4	1.7	2.4	65.8	68.0
New Zealand	884	58.2	11.5	58.2	4.3	22.9	1.5	1.6	54.6	62.0
Northern Ireland	436	66.2	7.4	66.2	5.4	20.6	0.3	0.0	65.6	66.8
Norway	622	65.5	8.7	65.5	3.8	18.9	1.0	2.0	67.5	63.6
Oman	1279	36.7	8.2	36.7	10.5	39.4	2.4	2.9	39.4	34.0
Poland	685	70.4	7.5	70.4	2.7	17.7	1.5	0.2	70.1	70.8
Portugal	665	48.8	9.3	48.8	4.4	34.0	2.1	1.3	45.3	51.7
Qatar	743	42.5	9.1	42.5	6.8	35.1	2.4	4.2	44.7	40.1
Russian Federation	694	66.6	11.2	66.6	3.2	16.6	1.0	1.5	65.9	67.2
Saudi Arabia	630	33.3	9.5	33.3	11.6	38.5	3.4	3.7	32.9	33.7
Serbia	575	52.6	9.3	52.6	6.0	24.9	2.1	5.2	54.3	51.0
Singapore	925	71.6	4.8	71.6	4.6	18.6	0.2	0.1	73.6	69.5
Slovak Republic	825	48.9	13.0	48.9	5.1	29.9	1.0	2.2	46.7	50.9
Slovenia	635	60.6	9.7	60.6	5.5	21.9	1.0	1.4	62.5	58.5
Spain	1112	64.6	6.7	64.6	3.9	22.2	1.0	1.6	69.3	59.6
Sweden	593	63.5	6.0	63.5	4.2	21.0	4.7	0.6	61.7	65.1
Turkey	926	37.7	9.0	37.7	7.0	44.4	0.6	1.3	39.1	36.5
United Arab Emirates	3012	46.6	7.2	46.6	7.3	34.7	1.6	2.6	47.2	46.1
United States	1420	62.1	4.9	62.1	4.0	26.2	1.5	1.4	64.5	59.6
International Avg (n=47)	36152	55.8	8.0	55.8	5.7	26.6	1.6	2.2	55.4	56.3
Buenos Aires, Argentina	422	41.9	7.4	41.9	4.9	20.4	7.5	17.9	36.7	48.5
Ontario, Canada	661	56.0	6.9	56.0	6.0	25.6	2.3	3.4	52.9	59.1
Quebec, Canada	401	54.9	10.6	54.9	6.2	26.5	0.1	1.6	49.1	60.9
Norway (4)	588	51.2	12.2	51.2	6.0	24.6	2.4	3.6	54.9	47.1
Abu Dhabi, UAE	711	41.4	7.5	41.4	9.3	36.4	1.6	3.8	40.3	42.3
Dubai, UAE	1054	57.8	7.5	57.8	3.9	28.8	0.6	1.4	57.3	58.3
Florida, US	286	68.6	3.3	68.6	3.8	22.3	1.2	0.7	69.9	67.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S10_10B (S061115B): Earth Science / Reasoning Type: MC Key: C
Label: Farmer on tropical island

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	54.8	13.5	11.5	54.8	16.3	1.4	2.4	56.6	53.2
Bahrain	589	37.5	20.2	12.7	37.5	24.9	2.7	2.0	36.6	38.4
Belgium (Flemish)	782	53.8	14.9	11.6	53.8	18.2	0.4	1.0	54.7	52.9
Bulgaria	601	50.4	15.1	14.7	50.4	13.7	2.5	3.6	51.2	49.6
Canada	1748	50.5	14.3	10.6	50.5	18.7	2.1	3.8	53.4	47.5
Chile	683	40.1	16.7	13.8	40.1	22.4	1.1	6.0	42.1	38.2
Chinese Taipei	615	57.8	12.6	12.4	57.8	16.8	0.0	0.4	58.4	57.3
Croatia	572	58.4	13.0	10.8	58.4	15.0	1.6	1.1	58.9	58.0
Cyprus	587	45.3	15.8	13.2	45.3	18.5	2.3	4.9	48.2	42.4
Czech Republic	753	56.6	15.5	13.0	56.6	11.5	1.9	1.5	60.4	53.2
Denmark	514	55.6	12.8	9.0	55.6	15.7	2.8	4.0	53.8	57.2
England	577	61.5	14.1	9.0	61.5	13.0	1.3	1.2	64.3	58.5
Finland	704	63.3	9.8	9.8	63.3	14.6	1.8	0.8	66.2	60.8
France	704	47.8	15.0	10.8	47.8	19.0	1.7	5.7	45.9	49.5
Georgia	557	32.4	20.4	15.7	32.4	20.8	3.4	7.3	36.1	28.7
Germany	570	56.0	10.5	14.0	56.0	15.4	2.2	1.9	57.3	54.8
Hong Kong SAR	509	68.6	13.3	9.7	68.6	8.2	0.0	0.3	71.2	65.9
Hungary	720	55.9	12.9	8.9	55.9	17.7	1.5	3.1	54.7	57.4
Indonesia	577	33.0	21.7	17.4	33.0	21.9	2.5	3.5	37.0	29.3
Iran, Islamic Rep. of	548	32.0	20.7	12.8	32.0	22.7	4.7	7.0	29.4	34.4
Ireland	623	62.7	11.5	9.2	62.7	15.2	0.9	0.5	60.2	64.9
Italy	637	48.7	17.7	16.0	48.7	14.4	1.8	1.4	50.3	47.0
Japan	623	57.9	11.3	11.3	57.9	17.0	1.0	1.6	58.6	57.2
Kazakhstan	672	48.1	14.0	12.6	48.1	22.1	1.2	2.0	47.7	48.4
Korea, Rep. of	673	68.4	14.1	5.8	68.4	10.8	0.3	0.6	69.0	67.9
Kuwait	506	31.6	20.6	17.0	31.6	14.7	6.7	9.3	31.3	32.0
Lithuania	636	59.2	11.0	11.7	59.2	16.3	0.9	0.9	60.4	58.0
Morocco	708	30.9	17.2	19.6	30.9	21.8	5.1	5.4	30.2	31.5
Netherlands	640	62.1	10.8	12.9	62.1	10.6	0.3	3.3	64.7	60.0
New Zealand	884	52.2	16.3	14.1	52.2	13.4	1.6	2.3	51.2	53.2
Northern Ireland	434	61.0	16.2	6.6	61.0	16.0	0.1	0.0	63.1	58.9
Norway	622	65.5	10.2	8.7	65.5	12.1	1.0	2.5	70.1	61.2
Oman	1279	34.5	17.0	14.0	34.5	29.4	1.8	3.3	32.9	36.1
Poland	685	63.2	10.0	10.1	63.2	14.8	0.9	1.0	66.4	59.7
Portugal	665	52.6	12.5	8.8	52.6	21.8	1.7	2.5	52.0	53.1
Qatar	742	42.9	20.1	11.2	42.9	19.1	1.7	5.0	42.9	42.9
Russian Federation	694	55.9	14.9	10.3	55.9	15.2	1.8	1.9	57.6	54.4
Saudi Arabia	630	34.0	20.9	15.2	34.0	22.8	3.1	4.0	35.5	32.5
Serbia	575	50.2	13.4	13.0	50.2	15.0	2.4	6.0	58.4	42.7
Singapore	925	66.4	7.0	8.7	66.4	17.5	0.0	0.4	67.3	65.4
Slovak Republic	825	53.8	16.3	11.0	53.8	14.3	2.1	2.6	54.3	53.2
Slovenia	635	58.2	15.8	8.7	58.2	13.7	1.8	1.8	58.1	58.3
Spain	1112	56.1	13.1	11.8	56.1	15.5	1.5	2.0	57.0	55.2
Sweden	593	63.3	9.3	11.0	63.3	10.8	3.3	2.3	66.6	60.5
Turkey	926	44.7	17.5	10.0	44.7	23.1	3.0	1.7	46.6	42.9
United Arab Emirates	3012	46.8	16.1	14.3	46.8	18.5	1.6	2.7	49.9	44.1
United States	1420	57.7	12.1	9.3	57.7	16.3	2.2	2.4	59.6	55.8
International Avg (n=47)	36150	51.9	14.7	11.8	51.9	17.0	1.9	2.8	53.2	50.7
Buenos Aires, Argentina	422	35.5	15.2	11.9	35.5	8.5	9.2	19.6	35.7	35.2
Ontario, Canada	660	53.2	14.4	9.6	53.2	15.6	2.0	5.2	57.6	48.8
Quebec, Canada	401	45.7	14.7	13.8	45.7	22.9	1.0	1.8	46.2	45.3
Norway (4)	588	46.8	14.9	15.3	46.8	13.4	5.3	4.3	49.4	44.0
Abu Dhabi, UAE	711	42.8	17.6	17.0	42.8	16.9	1.7	4.0	45.0	40.9
Dubai, UAE	1054	54.5	14.5	12.7	54.5	15.8	1.1	1.4	56.5	52.7
Florida, US	286	61.5	12.8	8.0	61.5	14.8	1.3	1.6	62.0	61.0

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent.

S11_01 (S051161): Life Science / Knowing Type: MC Key: D
Label: Function of human muscles

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	42.2	17.4	32.3	5.8	42.2	1.8	0.6	39.2	44.7
Bahrain	592	45.0	9.2	33.3	11.3	45.0	1.1	0.1	46.4	43.7
Belgium (Flemish)	778	62.4	11.9	15.7	6.9	62.4	3.0	0.1	66.1	58.5
Bulgaria	607	62.5	7.3	22.0	4.3	62.5	2.9	0.8	63.4	61.6
Canada	1763	41.5	13.8	32.2	9.4	41.5	2.4	0.7	40.2	42.8
Chile	687	44.9	11.2	38.9	3.6	44.9	1.0	0.4	42.3	47.3
Chinese Taipei	618	15.3	2.3	79.5	1.6	15.3	1.3	0.0	12.2	18.3
Croatia	575	73.4	1.8	21.2	2.5	73.4	0.5	0.5	72.9	73.9
Cyprus	585	34.3	10.2	40.8	11.0	34.3	3.1	0.7	36.0	32.5
Czech Republic	750	48.4	10.8	32.3	6.3	48.4	2.2	0.0	44.3	52.4
Denmark	516	49.6	12.9	22.6	10.0	49.6	4.6	0.3	46.8	52.0
England	578	48.5	9.4	35.4	4.8	48.5	1.7	0.2	50.1	46.8
Finland	712	49.7	4.1	37.3	5.6	49.7	3.1	0.3	41.8	56.5
France	692	44.5	8.4	31.4	10.8	44.5	4.0	1.0	46.1	43.1
Georgia	553	46.6	6.9	35.4	6.8	46.6	3.4	1.0	46.2	46.9
Germany	567	59.9	8.4	23.3	5.5	59.9	2.7	0.3	59.6	60.2
Hong Kong SAR	507	43.7	5.4	44.9	5.3	43.7	0.5	0.1	35.7	50.5
Hungary	722	60.0	3.0	27.0	6.9	60.0	2.8	0.3	56.0	63.4
Indonesia	572	48.5	8.5	33.7	7.7	48.5	1.6	0.0	48.1	49.0
Iran, Islamic Rep. of	545	40.1	16.5	24.8	12.0	40.1	5.6	1.0	43.3	37.2
Ireland	615	58.1	8.3	30.1	2.9	58.1	0.5	0.0	50.6	64.6
Italy	620	51.2	4.6	26.7	13.2	51.2	4.3	0.0	52.5	50.2
Japan	618	55.7	4.1	25.6	13.9	55.7	0.7	0.0	49.3	61.5
Kazakhstan	670	65.8	5.2	21.8	6.3	65.8	0.7	0.3	68.5	63.4
Korea, Rep. of	668	45.1	4.8	39.6	10.3	45.1	0.3	0.0	39.8	49.8
Kuwait	511	34.5	11.5	29.5	13.9	34.5	9.7	0.8	41.3	27.7
Lithuania	640	44.3	13.1	33.3	6.1	44.3	2.9	0.2	44.6	44.0
Morocco	706	39.1	6.0	30.3	20.3	39.1	4.1	0.1	43.5	35.3
Netherlands	640	60.2	17.1	15.8	5.9	60.2	1.0	0.1	58.9	61.6
New Zealand	892	46.6	13.6	33.1	3.9	46.6	2.0	0.8	44.1	49.2
Northern Ireland	445	45.7	13.6	34.6	6.0	45.7	0.0	0.0	45.5	45.9
Norway	623	64.4	10.0	23.7	1.3	64.4	0.6	0.0	62.7	66.0
Oman	1289	43.8	9.8	30.1	13.1	43.8	2.7	0.6	45.3	42.2
Poland	676	61.2	8.7	24.2	2.9	61.2	2.4	0.5	61.1	61.4
Portugal	661	40.3	1.7	50.9	4.8	40.3	2.2	0.1	34.7	45.2
Qatar	740	38.2	13.2	35.7	11.1	38.2	1.0	0.9	39.2	37.0
Russian Federation	707	65.3	9.1	16.3	7.3	65.3	1.9	0.2	69.6	61.3
Saudi Arabia	616	43.1	10.8	26.9	15.0	43.1	3.0	1.2	48.4	38.3
Serbia	573	57.6	5.2	29.2	4.5	57.6	3.5	0.0	56.0	59.3
Singapore	930	64.5	7.1	26.0	2.1	64.5	0.4	0.0	63.8	65.1
Slovak Republic	820	60.2	8.0	25.3	3.7	60.2	2.5	0.3	57.2	63.1
Slovenia	633	63.7	5.4	26.4	3.1	63.7	1.2	0.2	57.8	70.2
Spain	1120	38.2	4.8	47.5	7.0	38.2	2.2	0.3	36.8	39.9
Sweden	594	70.9	7.1	11.6	6.7	70.9	3.2	0.4	68.1	73.3
Turkey	933	62.7	5.0	23.9	7.9	62.7	0.4	0.0	62.2	63.3
United Arab Emirates	3005	39.8	10.0	37.3	10.3	39.8	2.3	0.3	40.4	39.2
United States	1430	43.2	12.9	35.6	6.4	43.2	1.3	0.5	41.8	44.6
International Avg (n=47)	36158	50.3	8.7	31.0	7.4	50.3	2.3	0.3	49.4	51.2
Buenos Aires, Argentina	422	36.5	4.4	32.4	8.5	36.5	14.3	4.0	37.8	35.0
Ontario, Canada	657	39.0	14.4	33.4	9.1	39.0	2.9	1.2	38.4	39.6
Quebec, Canada	403	45.2	10.9	31.9	11.1	45.2	0.9	0.0	42.3	48.5
Norway (4)	590	53.4	11.2	27.6	5.0	53.4	1.0	1.9	52.7	54.2
Abu Dhabi, UAE	708	40.8	10.5	34.5	12.0	40.8	1.7	0.6	41.8	39.8
Dubai, UAE	1051	41.3	8.2	41.3	7.3	41.3	1.8	0.1	39.3	43.1
Florida, US	289	38.0	12.7	41.5	6.4	38.0	0.7	0.7	38.5	37.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S11_02 (S051051): Life Science / Knowing Type: MC Key: B
Label: Main function of leaves

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	17.0	28.0	17.0	40.1	11.9	2.5	0.6	16.0	17.8
Bahrain	592	65.7	15.3	65.7	11.8	6.2	0.9	0.1	69.9	61.9
Belgium (Flemish)	778	21.9	29.3	21.9	29.7	15.7	3.2	0.3	22.0	21.8
Bulgaria	607	58.7	18.7	58.7	13.1	7.1	1.6	0.8	59.5	57.9
Canada	1764	28.1	28.0	28.1	27.9	13.6	1.5	0.9	24.9	31.2
Chile	687	35.6	35.2	35.6	18.8	8.1	1.7	0.6	35.2	36.1
Chinese Taipei	618	35.7	24.1	35.7	28.3	10.5	1.4	0.0	34.2	37.2
Croatia	575	39.5	30.2	39.5	19.2	8.9	1.7	0.5	40.7	38.3
Cyprus	585	16.4	20.3	16.4	42.3	18.0	2.0	1.1	16.0	16.8
Czech Republic	750	36.0	32.0	36.0	23.2	7.4	1.4	0.0	35.0	37.0
Denmark	516	16.0	35.5	16.0	29.7	14.8	3.0	1.0	17.8	14.5
England	578	30.2	26.7	30.2	26.5	14.8	1.4	0.3	26.4	34.3
Finland	712	40.8	23.7	40.8	22.8	9.3	3.2	0.3	45.0	37.0
France	692	14.7	30.0	14.7	29.4	21.4	3.5	1.1	15.6	13.9
Georgia	553	21.4	31.4	21.4	28.0	16.0	1.7	1.5	24.5	18.6
Germany	567	14.1	42.4	14.1	27.3	12.7	3.0	0.5	10.6	17.4
Hong Kong SAR	507	52.9	24.0	52.9	17.0	5.5	0.5	0.1	45.6	59.1
Hungary	722	47.4	14.4	47.4	23.2	11.7	3.0	0.3	44.9	49.6
Indonesia	572	32.2	30.3	32.2	21.1	14.8	1.5	0.0	32.9	31.5
Iran, Islamic Rep. of	545	62.7	16.9	62.7	10.6	5.1	3.3	1.5	62.5	63.0
Ireland	615	21.3	29.1	21.3	30.0	19.2	0.2	0.2	22.4	20.4
Italy	620	42.4	27.2	42.4	19.1	9.7	1.6	0.0	41.7	43.2
Japan	618	44.9	19.9	44.9	27.4	7.2	0.5	0.0	46.6	43.4
Kazakhstan	670	43.2	28.5	43.2	20.5	7.2	0.4	0.3	44.6	41.8
Korea, Rep. of	668	63.6	18.2	63.6	14.4	3.5	0.4	0.0	61.7	65.4
Kuwait	511	45.5	16.9	45.5	19.1	8.0	8.8	1.7	50.7	40.2
Lithuania	640	36.0	36.6	36.0	15.4	9.7	2.0	0.2	37.4	34.7
Morocco	709	34.8	18.2	34.8	29.0	14.9	2.8	0.2	37.5	32.5
Netherlands	640	21.3	39.1	21.3	28.0	9.5	2.0	0.1	21.0	21.6
New Zealand	892	13.4	32.5	13.4	36.6	14.4	2.3	0.9	14.9	11.7
Northern Ireland	445	17.6	36.2	17.6	27.4	18.6	0.2	0.0	18.7	16.4
Norway	623	13.5	37.2	13.5	31.4	17.0	0.8	0.0	14.3	12.8
Oman	1289	65.3	10.0	65.3	15.3	7.4	1.4	0.7	67.9	62.7
Poland	676	36.5	28.5	36.5	24.5	8.0	2.0	0.5	35.6	37.4
Portugal	661	28.2	34.6	28.2	21.6	14.1	1.4	0.1	30.4	26.2
Qatar	740	54.6	16.7	54.6	17.2	8.9	1.6	1.0	55.2	54.0
Russian Federation	707	47.2	24.4	47.2	17.8	8.9	1.6	0.2	50.4	44.2
Saudi Arabia	615	46.5	22.1	46.5	19.9	8.6	1.6	1.4	51.4	42.2
Serbia	573	55.2	19.7	55.2	11.1	11.3	2.4	0.3	59.9	50.2
Singapore	930	90.8	5.1	90.8	2.7	1.2	0.2	0.0	91.9	89.7
Slovak Republic	820	20.0	41.6	20.0	31.4	4.5	2.3	0.3	17.1	22.8
Slovenia	633	29.8	25.6	29.8	32.7	10.0	1.7	0.2	28.0	31.8
Spain	1120	40.1	27.8	40.1	17.1	12.6	2.2	0.3	38.8	41.6
Sweden	594	48.6	21.8	48.6	16.8	9.3	2.9	0.5	46.5	50.8
Turkey	933	27.3	35.9	27.3	18.9	17.1	0.8	0.0	28.4	26.2
United Arab Emirates	3004	58.0	16.2	58.0	16.2	6.7	2.5	0.3	60.6	55.8
United States	1430	43.6	23.1	43.6	22.9	8.4	1.5	0.5	40.2	47.0
International Avg (n=47)	36160	37.8	26.1	37.8	22.9	10.8	1.9	0.5	38.1	37.5
Buenos Aires, Argentina	422	22.0	33.6	22.0	20.9	8.9	10.1	4.5	23.1	20.8
Ontario, Canada	658	36.1	25.2	36.1	24.4	11.0	2.0	1.3	33.1	38.7
Quebec, Canada	403	14.9	36.6	14.9	31.6	16.6	0.3	0.0	13.3	16.8
Norway (4)	590	11.1	35.0	11.1	37.3	11.5	3.2	1.9	11.6	10.5
Abu Dhabi, UAE	708	51.4	17.7	51.4	17.9	8.6	3.8	0.6	54.3	48.8
Dubai, UAE	1050	66.1	14.7	66.1	12.3	5.6	1.2	0.1	66.8	65.5
Florida, US	289	51.5	16.5	51.5	23.5	6.9	1.0	0.7	53.2	50.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S11_03A (S051138A): Life Science / Knowing Type: MC Key: B
Label: Cockatoo's features: hello

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	54.7	37.1	54.7	7.5	0.7	57.6	52.2
Bahrain	592	34.6	58.6	34.6	6.8	0.1	33.6	35.5
Belgium (Flemish)	778	43.7	52.3	43.7	3.7	0.3	43.3	44.2
Bulgaria	607	55.4	35.3	55.4	8.4	0.8	57.4	53.2
Canada	1766	48.5	44.7	48.5	5.7	1.0	50.9	46.2
Chile	686	40.4	51.2	40.4	7.6	0.7	45.5	35.6
Chinese Taipei	618	63.4	33.7	63.4	3.0	0.0	66.0	60.8
Croatia	575	62.0	32.8	62.0	4.7	0.5	59.7	64.3
Cyprus	585	48.1	43.6	48.1	7.3	1.1	50.7	45.4
Czech Republic	750	47.5	48.0	47.5	4.4	0.1	49.3	45.8
Denmark	516	49.8	41.2	49.8	7.9	1.1	53.4	46.7
England	578	58.5	34.5	58.5	6.7	0.3	60.3	56.6
Finland	712	52.9	38.8	52.9	8.0	0.3	62.6	44.5
France	692	35.5	59.1	35.5	4.3	1.2	34.5	36.3
Georgia	553	33.4	46.6	33.4	18.1	1.9	33.0	33.8
Germany	567	47.3	48.4	47.3	3.9	0.5	50.0	44.6
Hong Kong SAR	507	71.3	27.1	71.3	1.5	0.1	74.2	68.9
Hungary	722	52.3	44.5	52.3	2.7	0.4	50.4	53.9
Indonesia	572	22.9	59.4	22.9	17.6	0.0	25.7	20.2
Iran, Islamic Rep. of	545	25.1	59.2	25.1	13.8	1.9	27.2	23.3
Ireland	615	55.5	34.2	55.5	10.1	0.2	54.1	56.7
Italy	620	42.5	49.8	42.5	7.7	0.1	44.8	40.0
Japan	618	56.3	39.5	56.3	4.2	0.0	58.2	54.6
Kazakhstan	670	43.4	51.2	43.4	5.2	0.3	41.8	44.9
Korea, Rep. of	668	64.9	33.2	64.9	1.8	0.1	65.0	64.7
Kuwait	507	26.8	58.1	26.8	13.0	2.1	30.5	23.1
Lithuania	640	56.2	38.9	56.2	4.6	0.2	61.8	50.9
Morocco	642	29.5	51.5	29.5	18.5	0.5	29.2	29.7
Netherlands	640	55.7	43.2	55.7	1.0	0.1	56.7	54.6
New Zealand	892	51.6	37.3	51.6	10.1	0.9	56.2	47.1
Northern Ireland	415	53.9	45.2	53.9	0.8	0.0	57.2	49.8
Norway	623	62.7	32.8	62.7	4.3	0.1	70.7	55.2
Oman	1286	27.2	61.2	27.2	10.9	0.7	25.3	29.1
Poland	676	62.0	34.4	62.0	3.1	0.5	63.8	60.2
Portugal	661	46.2	49.2	46.2	4.3	0.3	46.3	46.1
Qatar	740	37.8	51.2	37.8	9.8	1.2	40.3	35.0
Russian Federation	707	58.2	33.1	58.2	8.5	0.2	63.0	53.8
Saudi Arabia	612	31.2	40.1	31.2	27.3	1.4	35.9	26.9
Serbia	571	59.3	31.8	59.3	8.6	0.3	61.7	56.8
Singapore	930	68.9	28.9	68.9	2.2	0.0	72.3	65.4
Slovak Republic	820	48.0	43.1	48.0	8.6	0.3	52.9	43.4
Slovenia	633	54.6	41.2	54.6	3.9	0.3	55.1	54.1
Spain	1120	44.1	49.9	44.1	5.8	0.3	47.4	40.0
Sweden	594	51.5	43.7	51.5	4.3	0.5	57.0	46.7
Turkey	933	30.7	63.2	30.7	6.1	0.0	31.2	30.1
United Arab Emirates	3005	41.2	48.9	41.2	9.5	0.4	43.6	39.1
United States	1430	61.5	33.3	61.5	4.7	0.5	65.6	57.4
International Avg (n=47)	36053	48.3	43.9	48.3	7.3	0.5	50.5	46.1
Buenos Aires, Argentina	421	27.9	54.5	27.9	12.9	4.7	24.9	31.3
Ontario, Canada	658	49.9	41.8	49.9	6.7	1.6	52.9	47.2
Quebec, Canada	404	46.7	49.3	46.7	4.1	0.0	50.6	42.2
Norway (4)	590	52.7	38.0	52.7	7.3	2.0	58.0	46.6
Abu Dhabi, UAE	708	37.1	53.6	37.1	8.5	0.8	40.6	34.0
Dubai, UAE	1051	53.8	38.7	53.8	7.4	0.1	55.9	51.9
Florida, US	289	62.3	31.6	62.3	5.5	0.7	71.0	54.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S11_03B (S051138B): Life Science / Knowing Type: MC Key: A
Label: Cockatoo's features: crest

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	78.6	78.6	17.0	3.8	0.7	82.4	75.3
Bahrain	592	72.5	72.5	19.0	8.4	0.1	74.9	70.2
Belgium (Flemish)	778	78.3	78.3	19.1	2.4	0.3	78.7	77.8
Bulgaria	607	84.9	84.9	7.5	6.9	0.8	86.1	83.5
Canada	1764	79.2	79.2	15.9	3.8	1.0	82.4	76.0
Chile	686	78.2	78.2	14.8	6.2	0.7	84.2	72.3
Chinese Taipei	618	85.9	85.9	13.0	1.1	0.0	89.6	82.3
Croatia	575	82.3	82.3	12.7	4.5	0.5	84.5	80.1
Cyprus	585	73.6	73.6	18.4	7.0	1.1	75.7	71.4
Czech Republic	750	86.8	86.8	10.0	3.0	0.1	88.5	85.2
Denmark	516	82.3	82.3	11.0	5.7	1.1	85.6	79.4
England	578	75.1	75.1	18.8	5.7	0.3	75.8	74.5
Finland	712	75.7	75.7	18.7	5.3	0.3	80.8	71.2
France	692	84.9	84.9	10.3	3.6	1.2	85.2	84.6
Georgia	553	67.8	67.8	14.1	16.3	1.9	71.3	64.5
Germany	567	78.0	78.0	18.6	2.9	0.5	81.6	74.2
Hong Kong SAR	507	85.2	85.2	13.7	0.9	0.1	84.9	85.4
Hungary	722	85.0	85.0	11.8	2.8	0.4	84.2	85.7
Indonesia	572	68.5	68.5	10.4	21.1	0.0	71.3	65.7
Iran, Islamic Rep. of	545	37.1	37.1	37.0	24.1	1.9	38.1	36.1
Ireland	615	79.9	79.9	17.0	2.9	0.2	84.0	76.3
Italy	620	73.3	73.3	17.1	9.5	0.1	71.8	74.6
Japan	618	70.6	70.6	25.1	4.3	0.0	75.8	65.9
Kazakhstan	670	75.9	75.9	16.8	7.0	0.3	75.9	76.0
Korea, Rep. of	668	82.1	82.1	16.8	1.0	0.1	85.0	79.5
Kuwait	505	60.8	60.8	22.5	14.6	2.1	65.8	55.9
Lithuania	640	82.1	82.1	13.8	3.8	0.2	82.2	82.0
Morocco	643	60.6	60.6	24.5	14.4	0.5	62.9	58.7
Netherlands	640	72.9	72.9	25.9	1.1	0.1	75.2	70.5
New Zealand	892	76.0	76.0	14.7	8.4	0.9	81.3	70.6
Northern Ireland	430	81.1	81.1	18.5	0.4	0.0	84.7	76.5
Norway	623	79.3	79.3	18.4	2.1	0.1	86.1	72.9
Oman	1285	44.9	44.9	40.6	13.8	0.7	40.2	49.6
Poland	676	87.3	87.3	10.8	1.4	0.5	91.0	83.7
Portugal	661	77.5	77.5	18.4	3.8	0.3	81.9	73.6
Qatar	740	66.6	66.6	22.3	9.9	1.2	69.2	63.8
Russian Federation	707	76.8	76.8	16.5	6.5	0.2	83.9	70.3
Saudi Arabia	611	51.4	51.4	22.5	24.7	1.4	61.8	42.1
Serbia	571	79.4	79.4	14.6	5.7	0.3	82.9	75.8
Singapore	930	86.5	86.5	12.7	0.8	0.0	88.8	84.0
Slovak Republic	820	70.9	70.9	18.9	9.9	0.3	75.8	66.2
Slovenia	633	79.7	79.7	15.9	4.1	0.3	82.7	76.4
Spain	1120	80.7	80.7	15.2	3.8	0.3	80.8	80.6
Sweden	594	69.8	69.8	25.1	4.6	0.5	69.5	69.8
Turkey	933	66.4	66.4	26.6	6.9	0.0	69.4	63.2
United Arab Emirates	3005	69.4	69.4	22.1	8.1	0.4	74.3	65.1
United States	1430	83.7	83.7	12.0	3.7	0.5	88.0	79.5
International Avg (n=47)	36063	75.0	75.0	17.8	6.6	0.5	77.8	72.3
Buenos Aires, Argentina	422	71.4	71.4	11.8	12.1	4.7	71.3	71.6
Ontario, Canada	658	76.9	76.9	16.2	5.3	1.6	78.1	75.8
Quebec, Canada	404	86.8	86.8	12.9	0.3	0.0	89.2	84.0
Norway (4)	590	72.0	72.0	19.3	6.8	2.0	74.1	69.5
Abu Dhabi, UAE	708	65.0	65.0	24.1	10.1	0.8	71.7	59.0
Dubai, UAE	1051	76.8	76.8	19.3	3.7	0.1	80.9	73.2
Florida, US	289	83.6	83.6	12.5	3.3	0.7	88.3	79.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S11_03Z (S051138Z): Life Science / Knowing Type: CR 1 Point
Label: Cockatoo's features (DERIVED)

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	865	50.3	47.1	50.3	1.9	0.7	53.3	47.7
Bahrain	592	31.2	66.0	31.2	2.7	0.1	29.4	32.9
Belgium (Flemish)	778	40.5	57.7	40.5	1.6	0.3	40.4	40.5
Bulgaria	607	52.4	43.1	52.4	3.7	0.8	53.5	51.2
Canada	1764	45.6	51.5	45.6	1.9	1.0	47.6	43.5
Chile	686	39.2	57.2	39.2	2.9	0.7	43.7	34.9
Chinese Taipei	618	61.6	38.0	61.6	0.4	0.0	64.7	58.6
Croatia	575	59.7	38.1	59.7	1.7	0.5	58.4	60.9
Cyprus	585	45.2	49.5	45.2	4.3	1.1	47.4	42.7
Czech Republic	750	44.8	53.8	44.8	1.3	0.1	47.1	42.6
Denmark	516	46.1	48.9	46.1	3.9	1.1	49.8	42.8
England	578	55.4	41.0	55.4	3.2	0.3	57.8	52.9
Finland	716	48.3	48.7	48.3	2.2	0.8	57.2	40.6
France	692	31.9	65.7	31.9	1.1	1.2	31.5	32.3
Georgia	553	31.0	58.5	31.0	8.6	1.9	31.0	31.1
Germany	567	44.4	53.7	44.4	1.5	0.5	47.2	41.5
Hong Kong SAR	507	68.6	30.4	68.6	0.9	0.1	72.8	65.0
Hungary	722	49.1	49.1	49.1	1.4	0.4	48.0	50.0
Indonesia	572	20.4	71.7	20.4	7.9	0.0	22.2	18.7
Iran, Islamic Rep. of	545	17.5	71.1	17.5	9.6	1.9	19.5	15.6
Ireland	615	51.5	47.8	51.5	0.5	0.2	52.1	51.0
Italy	621	39.3	57.6	39.3	2.9	0.1	41.0	37.4
Japan	618	52.3	44.3	52.3	3.3	0.0	55.3	49.7
Kazakhstan	670	40.4	57.6	40.4	1.8	0.3	40.1	40.7
Korea, Rep. of	668	63.0	36.5	63.0	0.4	0.1	62.6	63.3
Kuwait	505	22.6	67.5	22.6	7.8	2.1	25.4	19.8
Lithuania	640	51.8	46.6	51.8	1.4	0.2	56.6	47.2
Morocco	601	27.6	62.9	27.6	8.9	0.6	28.1	27.2
Netherlands	640	49.8	49.3	49.8	0.8	0.1	50.9	48.6
New Zealand	894	46.9	48.8	46.9	3.3	1.1	52.3	41.4
Northern Ireland	403	52.3	47.3	52.3	0.4	0.0	55.1	48.7
Norway	625	56.6	41.7	56.6	1.2	0.6	64.7	48.8
Oman	1283	22.4	70.6	22.4	6.2	0.8	20.4	24.5
Poland	676	58.9	39.7	58.9	1.0	0.5	61.0	56.7
Portugal	662	43.4	54.5	43.4	1.8	0.4	43.6	43.1
Qatar	740	33.4	59.1	33.4	6.3	1.2	36.6	29.8
Russian Federation	707	53.7	43.7	53.7	2.4	0.2	61.1	46.9
Saudi Arabia	610	25.0	57.9	25.0	15.7	1.4	29.5	20.9
Serbia	571	56.4	40.1	56.4	3.2	0.3	59.3	53.4
Singapore	931	66.4	33.3	66.4	0.3	0.0	70.2	62.5
Slovak Republic	820	42.7	52.4	42.7	4.6	0.3	48.6	37.0
Slovenia	633	51.0	47.1	51.0	1.6	0.3	52.0	49.8
Spain	1120	41.5	55.8	41.5	2.4	0.3	45.0	37.4
Sweden	595	46.5	50.8	46.5	2.0	0.7	52.8	40.9
Turkey	933	27.5	70.0	27.5	2.5	0.0	28.2	26.8
United Arab Emirates	3005	37.0	58.5	37.0	4.1	0.4	40.0	34.4
United States	1430	58.9	37.8	58.9	2.7	0.5	63.5	54.3
International Avg (n=47)	36004	44.7	51.5	44.7	3.2	0.6	47.2	42.3
Buenos Aires, Argentina	423	25.9	59.2	25.9	9.3	5.6	23.6	28.3
Ontario, Canada	658	46.3	49.7	46.3	2.5	1.6	48.6	44.2
Quebec, Canada	404	45.2	54.6	45.2	0.2	0.0	48.7	41.1
Norway (4)	590	45.0	49.4	45.0	3.6	2.0	50.5	38.7
Abu Dhabi, UAE	708	33.1	61.4	33.1	4.7	0.8	37.1	29.4
Dubai, UAE	1051	49.8	48.4	49.8	1.7	0.1	51.9	47.9
Florida, US	289	57.9	39.0	57.9	2.5	0.7	68.2	49.0

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S11_04 (S051194): Life Science / Reasoning Type: CR 1 Point
Label: Test design for plant seedlings

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	26.3	71.6	26.3	1.0	1.1	28.7	24.2
Bahrain	592	19.2	71.2	19.2	8.9	0.7	25.9	13.0
Belgium (Flemish)	778	30.0	68.5	30.0	1.1	0.3	36.8	22.9
Bulgaria	607	17.1	77.5	17.1	4.5	0.9	21.7	12.3
Canada	1766	22.8	74.6	22.8	1.4	1.2	24.3	21.3
Chile	686	12.9	81.6	12.9	4.0	1.5	15.0	10.9
Chinese Taipei	618	20.9	78.8	20.9	0.3	0.0	22.3	19.5
Croatia	575	21.0	59.2	21.0	19.3	0.5	22.4	19.6
Cyprus	585	14.5	79.2	14.5	4.5	1.9	16.0	12.8
Czech Republic	750	34.3	63.5	34.3	2.1	0.1	39.3	29.5
Denmark	516	33.5	62.1	33.5	3.1	1.2	44.9	23.7
England	578	30.2	69.0	30.2	0.5	0.3	33.5	26.6
Finland	712	30.1	67.9	30.1	1.3	0.7	32.8	27.8
France	692	18.4	78.1	18.4	2.1	1.4	20.0	16.9
Georgia	553	12.8	82.4	12.8	2.5	2.3	15.4	10.4
Germany	567	21.5	76.6	21.5	1.4	0.5	28.1	15.1
Hong Kong SAR	507	37.6	60.6	37.6	1.6	0.1	42.9	33.2
Hungary	722	30.9	67.6	30.9	1.0	0.6	34.6	27.6
Indonesia	572	4.8	91.3	4.8	4.0	0.0	5.4	4.1
Iran, Islamic Rep. of	546	18.1	76.0	18.1	2.9	3.0	22.7	14.0
Ireland	615	32.7	66.7	32.7	0.3	0.2	37.1	28.9
Italy	620	13.5	84.7	13.5	1.6	0.2	18.9	8.5
Japan	618	49.0	50.4	49.0	0.6	0.0	56.3	42.4
Kazakhstan	670	26.4	48.0	26.4	25.3	0.3	33.5	19.9
Korea, Rep. of	668	37.9	61.8	37.9	0.2	0.1	40.4	35.7
Kuwait	510	6.1	83.1	6.1	8.2	2.6	9.5	2.6
Lithuania	640	24.8	73.1	24.8	1.8	0.3	31.3	18.6
Morocco	712	6.0	89.4	6.0	3.5	1.1	9.6	2.8
Netherlands	640	33.5	62.3	33.5	4.1	0.1	36.7	29.9
New Zealand	892	24.7	72.7	24.7	1.6	1.0	26.9	22.4
Northern Ireland	451	19.3	80.1	19.3	0.3	0.3	23.3	14.5
Norway	623	42.1	57.2	42.1	0.6	0.1	50.7	33.9
Oman	1289	11.3	84.9	11.3	3.0	0.8	13.1	9.5
Poland	676	31.7	67.5	31.7	0.3	0.5	35.2	28.1
Portugal	661	12.6	86.3	12.6	0.4	0.6	16.2	9.4
Qatar	740	13.1	82.7	13.1	2.7	1.5	15.7	10.2
Russian Federation	707	19.5	79.8	19.5	0.5	0.2	23.7	15.7
Saudi Arabia	617	11.7	81.0	11.7	5.5	1.8	19.3	4.9
Serbia	571	23.2	72.6	23.2	3.9	0.3	25.8	20.4
Singapore	930	60.0	40.0	60.0	0.0	0.0	64.4	55.4
Slovak Republic	820	14.9	82.6	14.9	1.5	0.9	17.5	12.4
Slovenia	633	30.8	56.5	30.8	12.2	0.6	34.1	27.2
Spain	1119	21.8	75.1	21.8	2.7	0.4	23.8	19.4
Sweden	594	31.4	66.7	31.4	1.1	0.9	36.9	26.0
Turkey	933	17.9	81.7	17.9	0.4	0.0	21.7	13.7
United Arab Emirates	3005	16.5	80.7	16.5	2.3	0.5	18.8	14.5
United States	1430	41.4	56.1	41.4	1.8	0.7	45.9	36.9
International Avg (n=47)	36170	24.1	71.9	24.1	3.3	0.7	28.1	20.2
Buenos Aires, Argentina	422	11.9	73.2	11.9	8.8	6.2	15.0	8.4
Ontario, Canada	658	26.3	71.3	26.3	0.7	1.8	27.2	25.4
Quebec, Canada	404	16.3	82.6	16.3	1.1	0.1	17.3	15.1
Norway (4)	590	22.8	72.9	22.8	2.4	2.0	25.6	19.5
Abu Dhabi, UAE	708	10.9	85.9	10.9	2.3	0.9	13.6	8.6
Dubai, UAE	1051	28.9	70.1	28.9	0.8	0.2	32.3	25.9
Florida, US	289	43.9	53.3	43.9	2.1	0.7	52.3	36.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S11_05 (S051029): Life Science / Reasoning Type: MC Key: C
Label: Dinosaurs had feathers

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	44.0	14.5	22.8	44.0	15.8	1.9	1.1	40.0	47.4
Bahrain	592	40.7	7.1	30.6	40.7	18.4	2.3	1.0	41.2	40.1
Belgium (Flemish)	778	44.9	9.0	28.9	44.9	15.2	1.6	0.3	44.1	45.8
Bulgaria	607	48.4	6.0	17.6	48.4	25.2	1.9	0.9	53.1	43.5
Canada	1760	37.6	17.3	20.6	37.6	21.6	1.4	1.4	37.3	37.9
Chile	686	39.3	10.4	18.4	39.3	27.0	2.9	2.0	35.8	42.6
Chinese Taipei	618	50.7	11.6	17.9	50.7	18.0	1.8	0.0	49.6	51.8
Croatia	575	29.3	5.5	32.9	29.3	29.4	2.3	0.7	30.2	28.4
Cyprus	585	43.2	5.6	23.2	43.2	23.2	2.3	2.4	42.6	43.9
Czech Republic	750	41.9	15.9	15.3	41.9	24.9	1.9	0.1	35.4	48.1
Denmark	516	44.9	15.6	26.1	44.9	8.9	3.0	1.4	41.0	48.3
England	578	36.2	12.1	25.0	36.2	23.8	2.1	0.7	36.9	35.5
Finland	712	42.6	2.4	29.5	42.6	22.1	2.4	1.0	44.4	41.0
France	692	23.7	10.9	19.9	23.7	37.9	6.0	1.6	25.4	22.3
Georgia	553	46.6	6.8	18.7	46.6	22.1	3.5	2.3	50.2	43.3
Germany	567	40.6	7.2	23.9	40.6	22.5	5.0	0.8	34.3	46.6
Hong Kong SAR	507	48.1	11.3	17.6	48.1	21.3	1.6	0.1	48.6	47.7
Hungary	722	48.7	15.4	13.2	48.7	17.8	4.0	1.0	43.4	53.3
Indonesia	572	40.6	7.0	27.1	40.6	23.1	2.1	0.1	41.4	39.8
Iran, Islamic Rep. of	546	24.8	15.2	15.3	24.8	33.4	8.1	3.1	24.4	25.2
Ireland	615	36.8	16.5	23.6	36.8	21.8	1.0	0.2	35.6	37.9
Italy	620	59.9	1.9	16.7	59.9	16.9	4.3	0.2	58.1	61.4
Japan	618	44.0	16.3	23.6	44.0	14.7	1.4	0.0	43.8	44.2
Kazakhstan	670	38.2	13.8	14.5	38.2	32.0	1.0	0.5	37.7	38.6
Korea, Rep. of	668	57.5	7.9	22.7	57.5	11.4	0.4	0.1	54.9	59.9
Kuwait	511	32.3	14.7	25.5	32.3	15.9	8.1	3.5	35.7	28.8
Lithuania	640	50.3	5.5	19.3	50.3	22.0	2.5	0.5	45.8	54.6
Morocco	703	37.0	10.0	25.3	37.0	23.5	2.5	1.7	40.3	34.2
Netherlands	640	48.8	6.5	32.9	48.8	10.3	1.3	0.2	41.6	56.6
New Zealand	892	38.8	18.1	19.1	38.8	21.1	1.9	1.0	36.0	41.7
Northern Ireland	446	39.8	11.0	30.5	39.8	17.9	0.8	0.0	39.1	40.5
Norway	623	34.4	6.9	20.9	34.4	35.4	2.1	0.3	31.6	37.1
Oman	1288	38.7	15.1	22.0	38.7	20.6	2.5	1.1	38.9	38.5
Poland	676	52.6	11.0	13.5	52.6	20.3	2.2	0.5	51.2	54.0
Portugal	661	48.8	8.8	26.3	48.8	12.5	2.9	0.6	48.9	48.7
Qatar	740	41.4	12.3	23.7	41.4	18.4	2.6	1.6	43.6	39.0
Russian Federation	707	35.5	11.2	20.1	35.5	29.2	4.0	0.2	31.6	39.0
Saudi Arabia	616	33.3	9.8	31.2	33.3	18.7	4.6	2.5	38.9	28.3
Serbia	571	46.4	2.5	13.2	46.4	31.8	5.5	0.8	42.9	50.0
Singapore	930	71.5	8.3	13.3	71.5	6.7	0.1	0.0	69.0	74.1
Slovak Republic	820	35.4	14.2	18.3	35.4	29.2	2.0	0.9	33.4	37.4
Slovenia	633	46.4	11.1	18.8	46.4	19.6	3.5	0.7	41.8	51.4
Spain	1120	47.4	4.8	20.0	47.4	24.4	2.9	0.6	44.3	51.2
Sweden	594	33.6	13.2	26.7	33.6	22.7	2.8	0.9	26.5	40.3
Turkey	933	52.8	8.2	19.5	52.8	18.3	1.2	0.0	53.4	52.1
United Arab Emirates	3005	42.8	11.8	23.1	42.8	18.6	3.0	0.7	43.9	41.9
United States	1430	53.7	13.8	20.0	53.7	8.8	2.8	1.0	50.2	57.2
International Avg (n=47)	36150	42.9	10.5	21.9	42.9	21.2	2.7	0.9	41.7	44.1
Buenos Aires, Argentina	422	20.1	7.1	17.0	20.1	37.6	11.4	6.8	20.9	19.2
Ontario, Canada	658	45.0	17.2	18.1	45.0	16.6	1.1	2.0	43.1	46.8
Quebec, Canada	403	29.1	13.7	22.9	29.1	33.8	0.3	0.2	32.8	25.0
Norway (4)	590	35.3	7.7	20.4	35.3	31.3	2.8	2.5	31.5	39.5
Abu Dhabi, UAE	708	41.2	10.3	24.0	41.2	19.1	4.5	0.9	43.2	39.5
Dubai, UAE	1051	50.4	13.1	18.7	50.4	15.5	1.9	0.4	50.0	50.7
Florida, US	289	57.1	11.7	20.2	57.1	7.2	2.9	0.9	59.6	54.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S11_06 (S051077): Physical Science / Knowing Type: CR 1 Point
Label: What happened to metal bench

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	67.1	29.2	67.1	2.6	1.1	65.7	68.2
Bahrain	592	34.7	55.9	34.7	8.1	1.3	37.8	31.8
Belgium (Flemish)	778	45.6	48.4	45.6	5.6	0.3	37.8	53.8
Bulgaria	607	45.7	41.0	45.7	12.3	0.9	44.2	47.4
Canada	1766	57.5	36.5	57.5	4.2	1.8	53.0	62.0
Chile	687	58.0	30.8	58.0	8.3	2.9	52.7	63.2
Chinese Taipei	618	68.8	28.0	68.8	3.1	0.1	66.3	71.3
Croatia	575	62.9	30.2	62.9	6.3	0.7	55.8	69.7
Cyprus	585	23.4	64.1	23.4	9.3	3.3	21.9	24.9
Czech Republic	750	73.0	21.2	73.0	5.2	0.6	67.5	78.4
Denmark	516	77.0	17.4	77.0	3.2	2.4	72.8	80.6
England	578	64.2	32.2	64.2	3.0	0.7	63.9	64.5
Finland	712	77.6	15.6	77.6	5.6	1.2	76.6	78.4
France	692	41.2	47.4	41.2	8.9	2.6	35.3	46.5
Georgia	553	42.2	44.5	42.2	10.8	2.5	35.6	48.3
Germany	567	75.0	17.0	75.0	7.1	1.0	71.8	78.0
Hong Kong SAR	507	44.5	48.7	44.5	6.6	0.1	39.7	48.6
Hungary	722	74.0	20.2	74.0	4.6	1.2	70.0	77.5
Indonesia	572	19.2	70.6	19.2	9.8	0.3	17.4	21.0
Iran, Islamic Rep. of	546	25.6	56.0	25.6	13.7	4.7	22.0	29.0
Ireland	615	75.3	23.0	75.3	1.4	0.2	76.2	74.5
Italy	618	56.2	33.0	56.2	9.6	1.2	54.2	58.3
Japan	618	66.4	30.2	66.4	2.9	0.5	58.4	73.6
Kazakhstan	670	53.4	40.4	53.4	5.7	0.5	50.0	56.5
Korea, Rep. of	668	62.5	36.5	62.5	0.9	0.1	59.0	65.7
Kuwait	503	9.2	49.6	9.2	36.8	4.4	10.0	8.3
Lithuania	640	68.3	27.4	68.3	3.8	0.5	63.5	72.9
Morocco	718	11.6	64.1	11.6	22.0	2.3	11.0	12.2
Netherlands	640	56.5	38.9	56.5	4.3	0.2	55.7	57.3
New Zealand	892	67.3	29.4	67.3	2.2	1.1	67.0	67.6
Northern Ireland	451	78.3	19.7	78.3	1.7	0.3	78.7	77.8
Norway	623	73.2	24.0	73.2	2.2	0.6	68.6	77.5
Oman	1290	17.8	70.1	17.8	10.9	1.2	16.2	19.5
Poland	676	68.4	25.8	68.4	5.2	0.6	66.5	70.3
Portugal	661	49.5	42.5	49.5	7.1	1.0	48.4	50.5
Qatar	740	27.7	56.6	27.7	13.8	1.9	31.4	23.5
Russian Federation	707	77.1	18.1	77.1	4.2	0.5	73.7	80.2
Saudi Arabia	616	31.0	44.4	31.0	21.6	3.0	36.4	26.1
Serbia	571	75.5	16.8	75.5	6.6	1.1	72.6	78.6
Singapore	930	54.4	43.8	54.4	1.8	0.0	51.7	57.2
Slovak Republic	820	73.2	18.4	73.2	7.3	1.1	72.6	73.7
Slovenia	633	69.6	24.6	69.6	4.6	1.2	67.2	72.2
Spain	1120	59.7	34.8	59.7	4.8	0.8	56.6	63.4
Sweden	594	77.4	18.0	77.4	2.8	1.7	77.6	77.7
Turkey	933	23.6	71.2	23.6	5.2	0.0	24.1	23.1
United Arab Emirates	3005	25.2	58.9	25.2	15.0	0.8	24.6	25.8
United States	1430	59.2	37.0	59.2	2.5	1.3	57.7	60.6
International Avg (n=47)	36169	54.1	37.3	54.1	7.3	1.2	51.9	56.3
Buenos Aires, Argentina	422	49.7	25.0	49.7	18.0	7.3	50.7	48.6
Ontario, Canada	658	57.4	37.3	57.4	3.2	2.1	52.3	61.9
Quebec, Canada	404	58.0	38.2	58.0	3.6	0.2	56.6	59.5
Norway (4)	590	54.5	33.4	54.5	9.0	3.0	58.6	50.0
Abu Dhabi, UAE	708	23.6	57.7	23.6	17.4	1.2	22.6	24.6
Dubai, UAE	1051	36.2	54.8	36.2	8.5	0.5	35.7	36.6
Florida, US	289	64.4	32.3	64.4	2.0	1.3	65.6	63.4

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S11_07 (S051200): Physical Science / Applying Type: CR 1 Point
Label: Metal and wooden spoon in soup

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	10.9	84.9	10.9	2.8	1.3	6.2	15.1
Bahrain	592	34.1	56.8	34.1	7.4	1.7	37.3	31.1
Belgium (Flemish)	778	25.2	68.9	25.2	5.5	0.4	25.1	25.3
Bulgaria	607	47.9	41.1	47.9	9.7	1.3	48.7	47.1
Canada	1766	13.1	79.5	13.1	5.1	2.3	10.5	15.8
Chile	687	2.0	83.5	2.0	10.6	3.9	2.0	2.1
Chinese Taipei	618	15.0	79.0	15.0	5.9	0.1	11.7	18.2
Croatia	575	28.5	60.8	28.5	10.1	0.7	28.2	28.7
Cyprus	585	17.4	67.0	17.4	11.7	3.9	17.5	17.3
Czech Republic	750	21.0	68.4	21.0	9.5	1.1	18.4	23.6
Denmark	516	30.0	60.8	30.0	6.2	3.0	31.7	28.5
England	578	17.2	79.3	17.2	2.3	1.2	13.9	20.8
Finland	712	18.2	74.0	18.2	6.1	1.7	17.3	19.0
France	689	5.5	81.2	5.5	10.0	3.3	4.9	6.0
Georgia	553	38.7	51.4	38.7	7.0	3.0	37.7	39.5
Germany	567	18.8	68.9	18.8	11.1	1.1	17.4	20.3
Hong Kong SAR	507	51.5	44.7	51.5	3.6	0.1	46.6	55.7
Hungary	722	21.2	72.5	21.2	5.1	1.2	20.0	22.3
Indonesia	572	25.8	64.6	25.8	9.1	0.5	26.0	25.6
Iran, Islamic Rep. of	546	2.3	75.9	2.3	16.1	5.7	1.1	3.5
Ireland	615	25.3	71.8	25.3	2.6	0.2	25.7	24.9
Italy	619	21.4	66.2	21.4	11.0	1.5	16.0	26.5
Japan	618	51.4	45.9	51.4	2.1	0.6	50.9	51.8
Kazakhstan	670	63.1	31.8	63.1	4.6	0.6	61.1	64.9
Korea, Rep. of	668	28.7	70.7	28.7	0.5	0.1	28.6	28.8
Kuwait	503	15.5	46.1	15.5	32.3	6.1	15.5	15.5
Lithuania	640	44.5	51.7	44.5	3.3	0.5	46.2	42.7
Morocco	718	24.9	55.0	24.9	17.1	3.0	23.6	25.9
Netherlands	640	13.8	81.4	13.8	4.4	0.4	14.1	13.4
New Zealand	892	10.0	85.3	10.0	3.6	1.1	8.5	11.4
Northern Ireland	451	11.8	85.8	11.8	2.0	0.4	12.8	10.6
Norway	623	16.4	78.1	16.4	4.9	0.6	16.4	16.3
Oman	1290	35.2	52.5	35.2	11.0	1.4	35.0	35.4
Poland	676	15.2	78.2	15.2	6.0	0.6	10.3	20.2
Portugal	661	3.9	85.4	3.9	8.4	2.3	3.2	4.4
Qatar	740	22.0	64.5	22.0	11.7	1.9	26.8	16.6
Russian Federation	707	40.9	55.5	40.9	3.0	0.5	41.0	40.8
Saudi Arabia	617	24.4	50.6	24.4	21.6	3.4	30.9	18.6
Serbia	571	41.4	47.2	41.4	9.5	1.8	38.3	44.7
Singapore	930	86.4	13.0	86.4	0.5	0.0	86.9	85.9
Slovak Republic	820	12.3	76.1	12.3	10.3	1.3	8.7	15.8
Slovenia	633	34.0	57.6	34.0	6.9	1.4	30.3	38.0
Spain	1120	14.5	76.5	14.5	8.1	0.9	10.9	18.8
Sweden	594	24.7	66.5	24.7	6.8	2.0	19.4	29.7
Turkey	933	28.8	66.8	28.8	4.1	0.2	31.0	26.5
United Arab Emirates	3005	16.6	68.5	16.6	13.8	1.1	16.7	16.6
United States	1430	18.2	77.8	18.2	2.5	1.6	15.5	20.8
International Avg (n=47)	36168	25.3	65.3	25.3	7.8	1.6	24.4	26.2
Buenos Aires, Argentina	422	20.7	52.3	20.7	19.0	7.9	21.9	19.5
Ontario, Canada	658	13.7	79.7	13.7	4.4	2.2	11.2	16.0
Quebec, Canada	404	10.5	84.8	10.5	4.3	0.4	4.5	17.4
Norway (4)	590	13.9	71.5	13.9	10.9	3.7	17.2	10.2
Abu Dhabi, UAE	708	14.3	67.7	14.3	16.3	1.7	14.5	14.2
Dubai, UAE	1051	25.7	67.4	25.7	6.4	0.6	24.7	26.5
Florida, US	289	19.0	77.2	19.0	2.5	1.3	22.7	15.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S11_08 (S051075): Physical Science / Applying Type: CR 1 Point
Label: Pushing two boxes

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	66.9	26.6	66.9	5.1	1.3	67.8	66.2
Bahrain	592	47.6	43.1	47.6	7.5	1.7	50.6	44.9
Belgium (Flemish)	778	67.6	23.9	67.6	7.9	0.5	69.2	66.0
Bulgaria	607	67.5	18.3	67.5	12.9	1.3	69.4	65.6
Canada	1766	70.1	21.9	70.1	5.2	2.8	69.5	70.7
Chile	687	52.8	34.5	52.8	8.5	4.2	55.9	49.8
Chinese Taipei	618	85.4	10.5	85.4	4.0	0.1	86.8	84.0
Croatia	575	71.2	17.7	71.2	10.4	0.8	70.2	72.1
Cyprus	585	61.4	22.1	61.4	12.0	4.5	58.0	64.9
Czech Republic	750	74.1	17.3	74.1	7.3	1.3	75.5	72.7
Denmark	516	68.9	19.5	68.9	7.9	3.8	71.2	66.8
England	578	75.5	21.0	75.5	2.3	1.2	75.6	75.5
Finland	712	59.1	31.7	59.1	7.3	1.9	63.4	55.4
France	692	61.6	22.3	61.6	12.5	3.7	60.3	62.8
Georgia	553	55.1	30.2	55.1	11.2	3.4	52.8	57.3
Germany	567	61.3	23.1	61.3	14.0	1.6	65.8	56.9
Hong Kong SAR	507	77.4	17.8	77.4	4.6	0.1	77.8	77.1
Hungary	722	71.0	22.3	71.0	4.7	1.9	69.9	72.0
Indonesia	572	18.7	70.7	18.7	10.1	0.6	18.3	19.1
Iran, Islamic Rep. of	546	32.3	50.2	32.3	11.2	6.2	32.2	32.5
Ireland	615	76.3	20.5	76.3	2.8	0.4	72.5	79.6
Italy	620	71.3	16.8	71.3	10.3	1.6	70.3	72.2
Japan	618	84.6	11.0	84.6	3.6	0.8	86.0	83.3
Kazakhstan	670	67.7	25.4	67.7	6.3	0.6	66.1	69.2
Korea, Rep. of	668	74.6	23.1	74.6	2.1	0.1	75.0	74.3
Kuwait	511	23.3	46.3	23.3	24.2	6.2	27.0	19.6
Lithuania	640	67.9	22.2	67.9	9.3	0.6	65.0	70.7
Morocco	715	18.8	58.5	18.8	19.6	3.2	20.6	17.2
Netherlands	640	69.1	26.1	69.1	3.9	0.9	69.7	68.5
New Zealand	892	66.6	25.8	66.6	6.3	1.4	66.9	66.2
Northern Ireland	451	73.4	22.9	73.4	3.3	0.4	71.5	75.6
Norway	623	64.4	27.5	64.4	7.0	1.1	63.3	65.5
Oman	1290	41.0	45.5	41.0	11.8	1.7	41.8	40.3
Poland	676	81.2	11.1	81.2	6.9	0.8	81.2	81.2
Portugal	661	66.4	24.4	66.4	6.5	2.7	67.5	65.4
Qatar	740	37.1	48.5	37.1	11.8	2.6	41.4	32.3
Russian Federation	707	78.4	15.6	78.4	5.5	0.5	79.0	77.9
Saudi Arabia	616	26.5	51.9	26.5	17.8	3.8	34.1	19.6
Serbia	571	66.8	18.5	66.8	10.9	3.8	67.4	66.2
Singapore	930	83.3	15.3	83.3	1.4	0.0	81.7	85.0
Slovak Republic	820	62.3	26.1	62.3	10.0	1.6	62.8	61.9
Slovenia	633	68.3	25.2	68.3	4.8	1.8	66.9	69.7
Spain	1120	73.0	20.7	73.0	5.3	1.1	70.6	75.8
Sweden	594	85.6	7.9	85.6	3.7	2.7	86.3	85.0
Turkey	933	62.2	32.4	62.2	5.2	0.3	64.1	60.1
United Arab Emirates	3005	45.9	40.0	45.9	12.8	1.2	47.9	44.2
United States	1430	73.7	21.6	73.7	2.6	2.1	72.0	75.3
International Avg (n=47)	36176	62.9	27.1	62.9	8.1	1.8	63.4	62.4
Buenos Aires, Argentina	422	49.2	20.8	49.2	21.7	8.2	50.6	47.7
Ontario, Canada	658	71.0	22.1	71.0	4.1	2.7	72.9	69.4
Quebec, Canada	404	74.5	19.4	74.5	5.3	0.8	72.1	77.4
Norway (4)	590	55.6	31.3	55.6	8.6	4.5	58.8	52.0
Abu Dhabi, UAE	708	42.1	44.4	42.1	11.8	1.7	44.5	39.8
Dubai, UAE	1051	62.9	28.7	62.9	7.8	0.6	65.4	60.6
Florida, US	289	74.9	20.6	74.9	2.8	1.6	81.0	69.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S11_09 (S051065): Physical Science / Applying Type: MC Key: B
Label: What can fill gap in flashlight

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	65.4	11.3	65.4	12.0	4.5	4.5	2.4	64.9	65.8
Bahrain	592	57.0	8.7	57.0	18.7	12.3	1.1	2.1	55.6	58.3
Belgium (Flemish)	778	78.5	5.0	78.5	10.9	3.9	1.2	0.5	76.2	80.8
Bulgaria	607	68.3	9.3	68.3	11.0	6.4	3.2	1.7	66.3	70.5
Canada	1763	63.2	10.5	63.2	12.9	7.4	2.2	3.8	57.2	69.3
Chile	685	55.0	12.1	55.0	15.2	10.4	2.7	4.7	48.4	61.3
Chinese Taipei	618	85.6	3.0	85.6	6.4	4.3	0.5	0.1	85.1	86.2
Croatia	575	81.8	3.2	81.8	8.9	4.3	1.0	0.8	77.7	85.7
Cyprus	585	57.6	9.4	57.6	21.1	4.4	1.8	5.6	57.3	58.0
Czech Republic	750	72.4	4.1	72.4	15.1	5.5	1.5	1.5	66.4	78.2
Denmark	516	79.8	1.9	79.8	9.6	2.7	2.1	4.0	73.9	84.8
England	578	79.4	6.9	79.4	8.1	3.3	0.9	1.3	79.1	79.7
Finland	712	77.3	3.0	77.3	11.4	3.8	2.1	2.4	79.5	75.4
France	692	81.4	4.1	81.4	4.3	3.6	1.6	5.1	80.0	82.7
Georgia	553	49.2	15.6	49.2	16.4	11.8	3.3	3.8	46.7	51.6
Germany	567	83.1	3.9	83.1	4.9	3.5	2.7	1.9	81.5	84.6
Hong Kong SAR	507	78.1	5.3	78.1	12.4	4.0	0.1	0.1	72.9	82.6
Hungary	722	65.4	7.0	65.4	16.7	6.3	1.9	2.7	60.0	70.1
Indonesia	572	42.8	14.4	42.8	25.5	14.8	1.0	1.5	37.5	48.1
Iran, Islamic Rep. of	546	50.7	11.1	50.7	17.8	8.9	4.6	6.9	49.6	51.7
Ireland	615	77.3	7.6	77.3	7.4	5.8	1.3	0.6	77.4	77.2
Italy	620	62.6	6.9	62.6	17.1	10.1	1.5	1.7	57.2	67.5
Japan	618	86.4	1.8	86.4	7.4	2.6	0.5	1.4	87.0	85.8
Kazakhstan	670	72.9	6.9	72.9	14.3	3.8	1.5	0.7	69.4	76.1
Korea, Rep. of	668	77.7	2.4	77.7	15.7	3.8	0.3	0.1	73.3	81.7
Kuwait	511	36.9	20.0	36.9	15.8	13.7	5.6	8.0	38.8	34.9
Lithuania	640	70.5	8.5	70.5	11.9	7.2	1.1	0.8	62.6	78.1
Morocco	712	56.2	11.2	56.2	16.2	10.7	2.3	3.4	53.6	58.3
Netherlands	640	77.7	3.7	77.7	12.3	3.6	1.2	1.5	76.8	78.8
New Zealand	892	66.6	9.3	66.6	10.8	6.4	5.1	1.7	61.7	71.5
Northern Ireland	442	64.9	12.7	64.9	15.8	6.6	0.0	0.0	62.8	67.4
Norway	623	73.8	5.5	73.8	12.7	5.8	0.6	1.6	77.0	70.7
Oman	1290	68.5	7.8	68.5	11.4	7.9	2.2	2.2	65.9	71.2
Poland	676	67.3	9.8	67.3	15.0	6.3	0.5	1.0	60.8	73.8
Portugal	661	64.5	9.3	64.5	10.3	8.9	3.3	3.7	61.5	67.1
Qatar	740	59.9	12.9	59.9	12.5	9.8	1.9	3.0	60.8	58.8
Russian Federation	707	74.3	5.8	74.3	12.7	5.5	1.0	0.7	74.3	74.3
Saudi Arabia	614	41.0	18.8	41.0	22.7	11.4	2.1	4.1	43.8	38.4
Serbia	573	68.8	8.2	68.8	12.6	3.0	3.0	4.4	69.0	68.5
Singapore	930	80.5	4.9	80.5	9.2	5.0	0.4	0.1	79.1	81.9
Slovak Republic	820	71.4	7.1	71.4	12.5	6.2	0.4	2.3	65.1	77.5
Slovenia	633	75.8	5.2	75.8	9.4	4.9	2.7	2.1	70.4	81.6
Spain	1120	59.8	8.6	59.8	14.9	13.7	0.9	2.1	57.5	62.6
Sweden	594	79.4	4.5	79.4	7.3	2.5	3.1	3.1	82.3	76.7
Turkey	932	62.4	9.7	62.4	17.8	8.6	0.9	0.7	58.8	66.3
United Arab Emirates	3005	60.9	12.8	60.9	14.2	8.0	2.5	1.4	61.2	60.7
United States	1430	75.7	6.2	75.7	10.4	2.8	1.8	3.0	70.9	80.5
International Avg (n=47)	36158	68.2	8.0	68.2	13.0	6.6	1.9	2.3	65.9	70.5
Buenos Aires, Argentina	422	50.7	10.5	50.7	15.9	5.3	7.0	10.6	47.3	54.4
Ontario, Canada	657	66.6	10.7	66.6	10.5	6.3	2.2	3.8	62.2	70.5
Quebec, Canada	403	56.7	10.4	56.7	17.1	12.1	2.0	1.7	50.6	63.7
Norway (4)	590	62.0	6.5	62.0	17.7	5.2	3.1	5.5	59.9	64.4
Abu Dhabi, UAE	708	57.9	13.4	57.9	14.5	9.7	2.5	2.0	58.1	57.8
Dubai, UAE	1051	74.2	8.9	74.2	9.4	5.1	1.6	0.9	71.9	76.3
Florida, US	289	67.1	12.3	67.1	11.9	5.6	1.0	2.1	65.4	68.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S11_10 (S051191): Earth Science / Applying Type: MC Key: A
Label: Getting wet from low clouds

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	49.3	49.3	4.9	5.6	31.9	5.3	3.0	49.9	48.7
Bahrain	592	32.6	32.6	13.4	11.2	37.3	3.1	2.5	29.7	35.2
Belgium (Flemish)	778	42.5	42.5	7.0	4.6	42.9	2.2	0.9	39.8	45.3
Bulgaria	607	49.5	49.5	4.2	5.3	35.2	4.1	1.8	45.6	53.5
Canada	1763	45.6	45.6	5.0	4.1	37.6	3.1	4.6	44.0	47.1
Chile	685	35.1	35.1	8.6	6.7	41.3	3.1	5.3	31.6	38.4
Chinese Taipei	618	60.4	60.4	3.3	2.1	33.3	0.8	0.1	56.3	64.5
Croatia	575	28.1	28.1	2.8	3.1	62.8	2.4	0.8	29.9	26.4
Cyprus	585	30.9	30.9	5.4	3.9	50.3	3.2	6.3	28.1	33.9
Czech Republic	750	55.9	55.9	7.3	4.7	28.1	2.2	1.8	49.0	62.6
Denmark	516	68.1	68.1	1.5	1.0	21.6	2.6	5.2	65.3	70.5
England	578	51.5	51.5	4.1	2.9	39.1	1.0	1.3	48.0	55.2
Finland	712	66.6	66.6	3.9	1.3	23.0	2.4	2.8	67.1	66.2
France	692	50.6	50.6	3.2	3.0	33.3	4.4	5.6	47.0	53.8
Georgia	553	41.8	41.8	6.0	6.7	37.9	3.2	4.4	42.2	41.4
Germany	567	62.1	62.1	3.3	2.1	27.0	3.3	2.2	64.5	59.6
Hong Kong SAR	507	63.3	63.3	2.8	1.6	31.0	1.2	0.1	56.3	69.3
Hungary	722	50.3	50.3	5.9	2.6	35.5	2.4	3.3	48.4	51.9
Indonesia	0	.	.	.	.	.	.	.	.	.
Iran, Islamic Rep. of	546	22.8	22.8	7.9	4.9	50.7	5.8	7.8	19.8	25.6
Ireland	615	53.4	53.4	2.8	2.5	38.4	2.3	0.6	51.9	54.8
Italy	620	45.8	45.8	3.9	2.9	42.9	2.7	1.8	45.9	45.5
Japan	618	57.7	57.7	3.2	0.9	35.8	1.0	1.4	55.6	59.6
Kazakhstan	670	48.2	48.2	2.9	6.1	40.1	1.7	0.9	47.9	48.5
Korea, Rep. of	668	75.8	75.8	2.1	1.2	20.6	0.2	0.1	76.2	75.5
Kuwait	511	23.7	23.7	15.4	12.5	31.0	9.2	8.2	24.9	22.4
Lithuania	640	52.5	52.5	5.5	2.7	36.0	2.4	0.9	45.3	59.4
Morocco	706	27.5	27.5	20.2	19.0	27.2	2.4	3.6	28.7	26.6
Netherlands	640	40.6	40.6	5.3	5.4	45.0	1.9	1.8	40.6	40.6
New Zealand	892	42.6	42.6	7.3	4.6	36.5	7.0	2.0	41.8	43.4
Northern Ireland	434	50.7	50.7	5.9	4.1	38.6	0.7	0.0	46.1	56.4
Norway	623	51.2	51.2	3.2	1.3	40.6	1.8	1.9	44.1	58.0
Oman	1289	28.1	28.1	14.8	12.7	39.3	2.4	2.7	29.8	26.4
Poland	676	55.2	55.2	3.5	1.3	37.1	1.8	1.1	53.7	56.7
Portugal	661	41.1	41.1	3.3	4.3	42.5	3.4	5.4	39.1	42.8
Qatar	740	33.6	33.6	11.8	10.4	38.0	2.7	3.5	36.7	30.2
Russian Federation	707	71.3	71.3	1.9	1.1	22.2	2.5	1.0	67.3	75.1
Saudi Arabia	614	34.3	34.3	14.7	15.6	26.0	4.6	4.9	35.1	33.6
Serbia	573	27.6	27.6	2.8	1.7	55.2	7.0	5.7	24.0	31.4
Singapore	930	59.0	59.0	1.7	2.7	35.9	0.6	0.1	57.7	60.4
Slovak Republic	820	44.5	44.5	9.3	6.1	35.8	2.0	2.3	39.1	49.8
Slovenia	633	39.0	39.0	4.4	4.7	44.1	4.8	3.0	34.8	43.7
Spain	1120	39.4	39.4	6.4	5.2	44.1	2.5	2.4	37.2	42.1
Sweden	594	65.7	65.7	2.5	2.1	24.7	1.5	3.6	69.1	62.8
Turkey	933	46.0	46.0	15.3	11.3	24.5	1.9	0.9	46.5	45.5
United Arab Emirates	3005	33.1	33.1	10.3	7.2	43.9	3.8	1.7	32.6	33.6
United States	1430	58.3	58.3	5.7	4.8	24.8	2.9	3.5	57.7	58.9
International Avg (n=46)	35572	46.8	46.8	6.2	5.0	36.3	2.9	2.7	45.0	48.5
Buenos Aires, Argentina	422	22.4	22.4	5.4	4.9	41.4	13.9	12.0	20.0	25.2
Ontario, Canada	658	47.9	47.9	6.4	3.4	33.9	3.2	5.1	47.6	48.2
Quebec, Canada	402	40.3	40.3	2.2	4.4	48.1	3.3	1.7	37.7	43.4
Norway (4)	590	35.9	35.9	4.5	2.4	46.8	3.8	6.6	37.5	34.2
Abu Dhabi, UAE	708	29.9	29.9	11.8	7.7	43.5	4.4	2.7	27.9	31.7
Dubai, UAE	1051	42.6	42.6	5.5	5.2	42.6	3.2	0.9	42.6	42.5
Florida, US	289	58.9	58.9	4.2	4.8	26.8	2.1	3.1	62.8	55.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S11_11 (S051099): Earth Science / Knowing Type: MC Key: C
Label: Moon in the sky for a month

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	55.1	14.3	11.9	55.1	13.0	2.2	3.5	56.7	53.8
Bahrain	592	52.1	18.2	10.5	52.1	14.1	2.2	2.8	62.6	42.6
Belgium (Flemish)	778	41.5	20.8	13.3	41.5	21.3	2.2	0.9	38.1	45.2
Bulgaria	607	51.2	15.3	9.5	51.2	17.5	4.2	2.1	57.6	44.7
Canada	1763	47.7	15.7	9.5	47.7	20.2	2.2	4.7	47.2	48.2
Chile	685	44.6	22.7	14.1	44.6	11.4	1.4	5.8	45.8	43.4
Chinese Taipei	618	86.7	5.0	3.3	86.7	4.1	0.8	0.1	86.3	87.0
Croatia	575	56.6	12.3	11.6	56.6	15.7	2.3	1.4	59.1	54.1
Cyprus	585	39.6	15.7	16.3	39.6	18.4	2.6	7.4	40.9	38.1
Czech Republic	750	67.9	12.3	7.2	67.9	9.2	1.1	2.2	68.6	67.2
Denmark	516	60.3	14.8	6.4	60.3	10.6	2.4	5.5	58.3	62.0
England	578	58.0	11.5	11.0	58.0	16.4	1.7	1.4	61.3	54.4
Finland	712	62.8	11.2	6.4	62.8	13.4	3.1	3.1	67.8	58.4
France	692	45.0	14.3	12.8	45.0	15.2	5.5	7.1	46.5	43.6
Georgia	553	46.4	15.6	11.4	46.4	17.5	3.8	5.3	47.3	45.6
Germany	567	60.6	9.9	10.2	60.6	12.8	4.0	2.5	61.4	59.8
Hong Kong SAR	507	72.8	9.3	6.1	72.8	10.5	0.9	0.3	73.9	71.9
Hungary	722	56.2	15.5	8.0	56.2	14.1	2.4	3.7	54.6	57.7
Indonesia	572	37.0	17.5	15.4	37.0	26.9	1.7	1.5	37.0	37.0
Iran, Islamic Rep. of	546	47.5	19.3	7.3	47.5	12.7	4.5	8.7	52.1	43.4
Ireland	615	48.3	16.2	10.8	48.3	22.7	0.9	1.0	50.6	46.3
Italy	620	45.9	17.6	10.5	45.9	20.7	2.7	2.6	49.2	43.0
Japan	618	82.9	4.4	1.5	82.9	7.2	2.5	1.5	85.4	80.7
Kazakhstan	670	59.1	10.4	10.0	59.1	19.0	0.6	0.9	62.1	56.4
Korea, Rep. of	668	69.7	16.3	4.5	69.7	8.9	0.4	0.1	70.9	68.6
Kuwait	511	33.6	18.4	16.7	33.6	13.0	9.8	8.6	35.6	31.5
Lithuania	640	56.0	21.0	8.7	56.0	11.8	1.6	1.0	57.6	54.5
Morocco	711	37.3	18.6	20.2	37.3	14.8	5.1	4.0	35.3	39.1
Netherlands	640	49.4	16.2	13.5	49.4	15.3	3.5	2.0	48.4	50.5
New Zealand	892	50.9	17.9	11.3	50.9	16.2	1.6	2.1	52.8	49.0
Northern Ireland	440	45.7	18.9	13.1	45.7	22.0	0.3	0.0	52.4	37.7
Norway	623	60.0	13.8	6.9	60.0	14.2	2.6	2.5	63.8	56.4
Oman	1289	41.4	16.2	15.8	41.4	20.3	3.4	3.0	41.5	41.3
Poland	676	56.4	23.7	8.6	56.4	8.1	1.6	1.6	57.8	54.9
Portugal	661	50.9	12.5	10.0	50.9	17.4	2.4	6.8	51.6	50.3
Qatar	740	42.5	17.8	13.7	42.5	19.1	3.5	3.5	43.0	41.9
Russian Federation	707	65.9	11.3	7.0	65.9	13.3	1.3	1.4	67.1	64.8
Saudi Arabia	615	47.2	14.0	14.7	47.2	13.2	5.4	5.4	51.4	43.4
Serbia	573	40.3	30.8	7.3	40.3	10.0	4.4	7.2	41.8	38.7
Singapore	930	56.4	14.0	9.4	56.4	19.7	0.3	0.1	57.4	55.4
Slovak Republic	820	67.9	7.4	7.4	67.9	12.7	1.9	2.7	67.0	68.9
Slovenia	633	61.3	8.4	11.0	61.3	12.7	3.2	3.4	61.9	60.5
Spain	1120	60.4	8.9	10.4	60.4	14.3	3.2	2.9	62.8	57.4
Sweden	594	61.8	11.4	7.4	61.8	11.3	4.2	4.0	64.1	59.5
Turkey	933	62.0	10.1	6.8	62.0	18.4	1.7	1.1	64.7	59.0
United Arab Emirates	3005	51.1	15.7	13.3	51.1	14.6	3.3	2.1	53.3	49.2
United States	1430	56.7	14.5	9.1	56.7	12.8	2.9	3.9	59.7	53.8
International Avg (n=47)	36156	54.3	14.8	10.3	54.3	14.9	2.7	3.1	56.0	52.6
Buenos Aires, Argentina	422	37.1	12.5	10.3	37.1	16.2	10.3	13.6	40.8	33.2
Ontario, Canada	657	47.2	15.1	10.7	47.2	19.4	2.2	5.3	48.3	46.3
Quebec, Canada	403	50.8	18.5	7.6	50.8	19.7	1.7	1.7	47.7	54.3
Norway (4)	590	43.3	14.7	11.4	43.3	19.8	4.0	6.7	45.8	40.5
Abu Dhabi, UAE	708	47.1	16.2	15.8	47.1	12.8	4.8	3.3	50.8	43.8
Dubai, UAE	1051	60.0	15.3	8.9	60.0	13.2	1.3	1.2	62.7	57.7
Florida, US	289	63.0	12.1	11.2	63.0	10.0	0.6	3.1	64.6	61.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S11_12 (S051175): Earth Science / Applying Type: CR 1 Point
Label: X marks a town on Earth

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	864	8.0	80.9	8.0	7.1	4.0	6.8	9.0
Bahrain	592	21.2	64.9	21.2	10.5	3.4	23.8	18.9
Belgium (Flemish)	778	16.9	71.1	16.9	10.2	1.7	16.6	17.3
Bulgaria	607	27.9	47.8	27.9	20.9	3.4	29.7	26.1
Canada	1766	23.4	62.4	23.4	8.6	5.6	24.6	22.2
Chile	685	13.9	60.8	13.9	18.7	6.6	14.8	12.9
Chinese Taipei	618	23.3	64.3	23.3	12.1	0.4	23.5	23.1
Croatia	575	34.4	47.4	34.4	15.6	2.7	32.7	36.0
Cyprus	585	20.1	51.1	20.1	20.1	8.7	21.4	18.7
Czech Republic	750	21.9	63.0	21.9	12.5	2.6	28.0	16.0
Denmark	516	38.7	45.5	38.7	9.2	6.6	39.9	37.6
England	578	33.6	57.7	33.6	6.5	2.2	34.7	32.3
Finland	712	45.6	39.8	45.6	10.6	4.0	54.2	38.0
France	692	20.0	48.3	20.0	21.8	9.9	20.9	19.3
Georgia	553	12.5	49.6	12.5	30.8	7.1	13.1	12.0
Germany	567	8.2	60.9	8.2	27.1	3.8	10.8	5.5
Hong Kong SAR	507	36.2	55.9	36.2	7.2	0.7	36.7	35.8
Hungary	722	30.1	49.5	30.1	15.6	4.8	30.7	29.6
Indonesia	572	9.0	72.6	9.0	15.6	2.9	10.3	7.6
Iran, Islamic Rep. of	546	3.9	60.4	3.9	25.1	10.6	3.7	4.0
Ireland	615	30.0	64.4	30.0	4.2	1.4	30.5	29.5
Italy	619	21.8	53.0	21.8	21.5	3.7	19.0	24.5
Japan	618	48.7	42.7	48.7	6.9	1.8	50.0	47.4
Kazakhstan	670	44.3	41.4	44.3	13.2	1.1	46.6	42.2
Korea, Rep. of	668	47.0	50.3	47.0	2.4	0.3	47.5	46.6
Kuwait	511	9.1	37.6	9.1	39.6	13.7	11.3	6.8
Lithuania	640	32.9	53.7	32.9	11.9	1.5	33.2	32.5
Morocco	716	5.2	54.9	5.2	30.9	8.9	5.3	5.2
Netherlands	640	20.8	68.4	20.8	7.1	3.7	20.6	21.0
New Zealand	892	14.5	73.9	14.5	8.9	2.7	13.8	15.1
Northern Ireland	451	27.1	62.2	27.1	9.9	0.8	32.8	20.3
Norway	623	35.6	54.5	35.6	6.6	3.2	39.0	32.4
Oman	1290	18.7	55.1	18.7	21.6	4.5	18.7	18.8
Poland	676	23.8	60.3	23.8	14.1	1.7	28.6	19.0
Portugal	661	22.8	59.7	22.8	9.7	7.8	22.6	23.0
Qatar	740	26.4	50.3	26.4	17.5	5.7	31.9	20.3
Russian Federation	707	35.0	52.7	35.0	10.6	1.7	34.7	35.2
Saudi Arabia	617	29.3	33.8	29.3	27.2	9.6	39.5	20.2
Serbia	573	15.1	49.9	15.1	26.2	8.8	15.3	14.9
Singapore	930	42.6	54.7	42.6	2.4	0.2	42.5	42.8
Slovak Republic	820	25.1	60.0	25.1	11.8	3.2	28.1	22.1
Slovenia	633	47.8	33.3	47.8	14.1	4.8	47.5	48.2
Spain	1120	20.2	61.5	20.2	13.8	4.5	21.0	19.1
Sweden	594	19.5	66.5	19.5	8.2	5.8	21.5	17.8
Turkey	933	27.7	61.5	27.7	8.9	1.8	28.2	27.2
United Arab Emirates	3005	14.6	59.9	14.6	22.0	3.5	16.7	12.8
United States	1430	36.2	54.4	36.2	4.1	5.3	37.6	34.8
International Avg (n=47)	36177	25.3	55.8	25.3	14.5	4.3	26.8	23.9
Buenos Aires, Argentina	422	9.1	30.5	9.1	44.4	16.1	9.5	8.6
Ontario, Canada	658	23.2	63.0	23.2	7.7	6.1	21.5	24.8
Quebec, Canada	404	30.8	56.3	30.8	10.2	2.6	33.7	27.6
Norway (4)	590	22.8	56.3	22.8	12.9	7.9	25.9	19.3
Abu Dhabi, UAE	708	9.0	60.8	9.0	25.1	5.2	11.1	7.1
Dubai, UAE	1051	27.4	60.2	27.4	10.8	1.6	30.5	24.6
Florida, US	289	42.6	48.8	42.6	5.2	3.4	49.2	36.8

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S12_01 (S061132): Earth Science / Knowing Type: MC Key: A
Label: Hot and wet weather

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	55.2	55.2	9.7	4.2	28.0	2.9	0.0	58.1	52.5
Bahrain	587	28.8	28.8	12.8	4.6	52.7	0.8	0.3	32.4	25.0
Belgium (Flemish)	773	47.2	47.2	10.8	6.8	33.5	1.6	0.0	48.0	46.4
Bulgaria	609	51.0	51.0	8.1	2.3	36.3	2.3	0.0	50.6	51.4
Canada	1752	66.8	66.8	3.8	2.0	26.0	1.3	0.0	68.6	65.1
Chile	684	57.1	57.1	12.9	4.8	22.6	1.6	1.0	59.9	54.3
Chinese Taipei	615	69.8	69.8	5.8	0.2	23.3	0.9	0.0	66.0	73.8
Croatia	572	31.2	31.2	7.5	4.9	54.9	1.3	0.1	30.0	32.7
Cyprus	591	30.7	30.7	14.2	6.6	46.6	1.1	0.8	29.4	32.0
Czech Republic	742	70.9	70.9	6.4	1.7	19.4	1.6	0.0	69.5	72.2
Denmark	526	75.5	75.5	2.5	2.8	16.0	2.4	0.8	72.3	78.8
England	566	73.7	73.7	4.3	3.2	17.7	0.9	0.2	74.3	73.1
Finland	716	72.1	72.1	4.3	3.1	18.6	1.8	0.1	75.4	69.3
France	694	54.0	54.0	7.9	2.8	32.2	2.7	0.4	54.0	53.9
Georgia	559	24.0	24.0	9.0	4.7	60.4	1.6	0.2	23.3	24.6
Germany	567	58.3	58.3	1.8	2.3	34.9	2.7	0.0	59.4	57.6
Hong Kong SAR	523	83.8	83.8	3.2	0.1	12.5	0.4	0.0	86.2	81.9
Hungary	723	64.3	64.3	8.6	3.1	19.0	4.5	0.5	67.3	61.7
Indonesia	576	29.0	29.0	26.9	19.4	22.7	1.9	0.1	33.6	24.4
Iran, Islamic Rep. of	547	21.4	21.4	17.7	14.5	41.1	4.3	1.0	24.0	19.3
Ireland	607	69.5	69.5	5.2	3.8	21.3	0.3	0.0	66.8	72.1
Italy	616	54.3	54.3	5.2	3.5	35.1	1.9	0.0	55.0	53.6
Japan	625	62.5	62.5	6.8	1.0	29.5	0.3	0.0	61.2	63.6
Kazakhstan	674	45.4	45.4	7.0	7.4	39.7	0.2	0.3	49.0	42.3
Korea, Rep. of	656	59.2	59.2	4.0	0.5	35.8	0.3	0.2	55.1	62.8
Kuwait	518	36.0	36.0	13.9	8.5	32.0	7.9	1.7	36.3	35.6
Lithuania	650	48.1	48.1	12.4	3.3	34.0	2.2	0.0	50.3	46.0
Morocco	707	15.2	15.2	23.4	10.0	50.5	0.9	0.0	18.7	11.7
Netherlands	641	66.7	66.7	4.5	2.3	24.4	1.9	0.2	64.8	68.8
New Zealand	893	59.5	59.5	9.4	4.7	24.5	1.5	0.4	63.5	55.6
Northern Ireland	445	73.0	73.0	6.4	2.1	17.8	0.7	0.0	73.7	72.7
Norway	613	65.2	65.2	9.6	1.4	22.3	1.3	0.2	65.3	65.0
Oman	1286	18.8	18.8	17.0	9.2	52.5	2.2	0.2	18.3	19.4
Poland	680	63.3	63.3	6.0	2.1	27.3	1.3	0.0	64.3	62.3
Portugal	669	42.7	42.7	8.8	5.6	42.1	0.8	0.0	42.9	42.6
Qatar	732	31.2	31.2	14.7	5.1	47.3	1.3	0.3	34.6	27.8
Russian Federation	691	51.7	51.7	4.9	5.3	36.8	1.4	0.0	50.5	52.9
Saudi Arabia	600	18.6	18.6	16.3	10.0	52.7	1.8	0.5	22.2	15.1
Serbia	575	34.9	34.9	14.7	5.5	40.3	3.8	0.8	33.5	36.5
Singapore	924	43.8	43.8	9.8	4.9	41.2	0.4	0.0	41.8	45.6
Slovak Republic	824	51.0	51.0	9.9	3.8	33.2	1.4	0.6	52.3	49.7
Slovenia	635	34.7	34.7	6.2	3.6	53.1	2.1	0.2	33.8	35.7
Spain	1106	42.5	42.5	10.7	4.1	41.3	1.3	0.1	41.0	44.2
Sweden	589	76.3	76.3	5.3	1.1	14.9	2.2	0.1	78.7	74.0
Turkey	921	25.6	25.6	14.1	5.9	52.7	1.7	0.0	23.2	28.4
United Arab Emirates	3012	33.8	33.8	12.2	6.6	45.2	2.1	0.1	36.8	31.0
United States	1432	64.2	64.2	4.8	3.0	26.2	1.6	0.2	68.5	59.9
International Avg (n=47)	36109	50.1	50.1	9.4	4.6	33.9	1.8	0.3	50.7	49.5
Buenos Aires, Argentina	415	29.4	29.4	9.8	3.4	46.3	7.0	4.1	26.6	32.3
Ontario, Canada	649	70.0	70.0	3.8	2.2	22.5	1.5	0.0	70.8	69.5
Quebec, Canada	396	60.0	60.0	4.0	2.2	32.9	0.9	0.0	64.0	56.4
Norway (4)	600	55.1	55.1	12.0	3.5	27.9	1.5	0.0	55.6	54.6
Abu Dhabi, UAE	714	30.9	30.9	14.8	9.2	42.1	3.0	0.0	32.7	29.3
Dubai, UAE	1052	44.7	44.7	8.3	4.7	40.6	1.6	0.1	49.6	40.1
Florida, US	293	62.1	62.1	4.3	4.5	27.9	1.3	0.0	65.6	59.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S12_02 (S061120): Earth Science / Knowing Type: MC Key: D
Label: Season south of Equator

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	57.9	12.8	9.1	17.1	57.9	3.1	0.0	56.5	59.0
Bahrain	587	51.2	14.8	14.1	17.7	51.2	1.9	0.3	55.1	47.2
Belgium (Flemish)	773	49.2	14.8	13.9	20.3	49.2	1.7	0.0	49.2	49.2
Bulgaria	609	76.3	6.2	7.3	7.9	76.3	2.2	0.0	78.9	73.7
Canada	1759	56.2	11.0	16.2	14.4	56.2	2.2	0.0	53.6	58.7
Chile	684	44.6	17.0	18.4	16.6	44.6	2.2	1.2	43.0	46.2
Chinese Taipei	615	57.7	8.6	12.8	20.1	57.7	0.8	0.0	56.6	58.8
Croatia	572	58.7	11.9	6.6	19.2	58.7	3.5	0.1	57.7	59.9
Cyprus	591	46.9	14.1	18.8	16.8	46.9	2.7	0.8	46.4	47.3
Czech Republic	742	59.8	9.9	6.3	21.4	59.8	2.5	0.2	59.8	59.9
Denmark	526	60.0	8.8	13.8	12.8	60.0	3.7	0.9	57.9	62.3
England	566	56.1	12.1	9.8	19.9	56.1	1.9	0.2	56.5	55.7
Finland	716	72.8	6.4	7.3	11.6	72.8	1.7	0.2	74.4	71.3
France	694	48.2	12.2	19.5	17.9	48.2	1.6	0.6	46.6	49.6
Georgia	559	36.8	17.6	14.7	23.6	36.8	7.1	0.2	35.6	37.9
Germany	567	53.7	17.8	9.8	14.2	53.7	4.5	0.0	55.4	52.3
Hong Kong SAR	523	78.6	3.9	5.1	12.0	78.6	0.4	0.0	75.5	81.0
Hungary	723	63.2	9.6	7.8	16.4	63.2	2.6	0.5	65.5	61.1
Indonesia	576	46.6	21.4	20.4	9.6	46.6	1.7	0.2	46.7	46.5
Iran, Islamic Rep. of	547	34.9	15.4	16.4	26.2	34.9	5.7	1.5	34.7	35.0
Ireland	607	59.1	11.0	10.1	18.6	59.1	1.3	0.0	60.5	57.7
Italy	616	54.6	13.2	13.0	15.7	54.6	3.6	0.0	54.1	55.0
Japan	625	80.5	4.0	4.2	10.8	80.5	0.6	0.0	82.0	79.0
Kazakhstan	674	62.7	7.6	13.1	16.4	62.7	0.0	0.3	67.6	58.4
Korea, Rep. of	656	85.7	2.3	3.9	7.8	85.7	0.1	0.2	85.6	85.7
Kuwait	518	32.5	25.9	19.6	12.4	32.5	7.6	2.0	34.4	30.6
Lithuania	650	39.0	24.4	7.3	26.6	39.0	2.7	0.0	33.8	44.1
Morocco	702	28.8	21.4	23.2	26.4	28.8	0.2	0.0	27.1	30.5
Netherlands	641	64.6	8.9	11.0	13.6	64.6	1.7	0.2	64.4	64.8
New Zealand	893	54.3	12.3	11.7	19.6	54.3	1.7	0.4	56.9	51.7
Northern Ireland	440	61.8	12.2	7.3	18.5	61.8	0.2	0.0	61.6	61.8
Norway	613	44.9	16.9	16.3	20.0	44.9	1.7	0.2	44.7	45.1
Oman	1286	43.8	13.4	19.9	20.1	43.8	2.5	0.3	47.7	40.2
Poland	680	53.3	12.7	7.7	23.7	53.3	2.6	0.0	56.6	50.0
Portugal	669	58.5	12.1	9.1	18.5	58.5	1.7	0.0	59.9	57.2
Qatar	732	48.7	16.7	16.4	15.4	48.7	2.3	0.4	51.1	46.1
Russian Federation	691	61.2	14.7	6.8	15.0	61.2	2.3	0.0	59.4	63.1
Saudi Arabia	597	35.0	22.9	17.0	21.4	35.0	3.0	0.7	40.8	29.2
Serbia	575	50.2	10.1	10.6	24.2	50.2	4.1	0.8	47.9	52.6
Singapore	924	49.6	13.5	11.4	25.5	49.6	0.1	0.0	45.6	53.2
Slovak Republic	824	46.7	14.6	11.3	24.1	46.7	2.5	0.8	49.1	44.2
Slovenia	635	50.5	15.5	10.8	19.4	50.5	3.6	0.2	50.0	50.9
Spain	1106	52.8	11.0	12.3	20.7	52.8	3.2	0.1	52.2	53.4
Sweden	589	50.9	15.4	13.3	16.6	50.9	3.6	0.1	49.8	52.1
Turkey	921	55.6	14.3	11.7	17.6	55.6	0.8	0.0	54.7	56.6
United Arab Emirates	3012	51.8	16.1	16.4	12.3	51.8	3.3	0.1	52.4	51.2
United States	1432	62.0	12.0	9.2	14.5	62.0	2.0	0.3	61.7	62.3
International Avg (n=47)	36103	54.2	13.2	12.2	17.7	54.2	2.4	0.3	54.4	54.0
Buenos Aires, Argentina	415	35.8	14.7	14.4	17.9	35.8	13.1	4.1	33.9	37.9
Ontario, Canada	649	58.9	11.8	14.9	12.2	58.9	2.2	0.0	56.2	61.3
Quebec, Canada	398	52.7	7.9	17.9	19.0	52.7	2.5	0.0	50.2	55.0
Norway (4)	600	33.2	18.5	21.6	23.6	33.2	2.9	0.3	32.0	34.3
Abu Dhabi, UAE	714	42.6	20.6	17.9	14.3	42.6	4.6	0.0	43.5	41.9
Dubai, UAE	1052	64.4	10.9	13.5	9.3	64.4	1.9	0.1	64.2	64.6
Florida, US	293	58.4	13.5	8.4	18.7	58.4	1.0	0.0	62.2	55.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

SI2_03 (S061025): Life Science / Knowing Type: CR 1 Point
Label: Life cycle of flowering plant

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	59.5	38.9	59.5	1.6	0.0	65.6	54.1
Bahrain	586	49.5	44.8	49.5	5.3	0.3	54.9	44.0
Belgium (Flemish)	773	57.3	39.7	57.3	3.0	0.0	59.0	55.3
Bulgaria	609	56.7	30.1	56.7	13.2	0.0	63.8	49.5
Canada	1763	59.6	37.0	59.6	3.4	0.0	65.0	54.6
Chile	685	53.7	35.9	53.7	9.2	1.2	55.1	52.3
Chinese Taipei	615	77.0	16.5	77.0	6.5	0.0	78.6	75.4
Croatia	572	73.0	22.4	73.0	4.4	0.1	70.2	76.5
Cyprus	591	40.7	48.1	40.7	10.4	0.8	45.8	35.4
Czech Republic	742	78.6	16.0	78.6	5.2	0.2	81.8	75.7
Denmark	526	66.2	27.7	66.2	5.1	1.1	71.2	60.9
England	565	55.4	42.5	55.4	2.0	0.2	63.1	47.0
Finland	716	77.1	19.8	77.1	2.9	0.2	84.0	70.9
France	694	46.6	43.1	46.6	9.6	0.8	52.0	41.6
Georgia	559	50.4	40.9	50.4	8.4	0.3	49.0	51.5
Germany	567	65.1	30.2	65.1	4.7	0.0	68.2	62.4
Hong Kong SAR	523	73.4	21.8	73.4	4.8	0.0	75.6	71.7
Hungary	723	80.9	15.8	80.9	2.7	0.5	84.5	77.8
Indonesia	576	47.3	40.6	47.3	11.8	0.2	50.9	43.7
Iran, Islamic Rep. of	547	46.1	38.4	46.1	13.9	1.5	46.5	45.8
Ireland	607	52.6	46.5	52.6	0.9	0.0	53.6	51.7
Italy	616	60.7	30.8	60.7	8.6	0.0	61.0	60.7
Japan	625	91.5	7.1	91.5	1.4	0.0	94.6	88.6
Kazakhstan	674	74.8	19.4	74.8	5.5	0.3	77.9	72.1
Korea, Rep. of	656	88.1	11.5	88.1	0.2	0.2	88.9	87.4
Kuwait	517	23.3	56.1	23.3	18.5	2.1	29.2	17.1
Lithuania	650	69.1	28.3	69.1	2.6	0.0	76.6	61.8
Morocco	726	26.8	49.8	26.8	23.1	0.4	27.9	25.5
Netherlands	641	51.5	46.2	51.5	2.2	0.2	57.8	44.5
New Zealand	893	59.4	37.1	59.4	3.1	0.4	64.2	54.8
Northern Ireland	446	46.8	50.8	46.8	2.4	0.0	59.0	33.0
Norway	613	53.6	42.9	53.6	3.3	0.2	60.0	47.0
Oman	1286	45.7	47.8	45.7	6.2	0.3	45.2	46.1
Poland	680	64.6	29.4	64.6	5.6	0.4	69.3	59.9
Portugal	669	58.0	36.4	58.0	5.5	0.0	63.0	53.3
Qatar	732	48.0	42.6	48.0	8.9	0.4	49.2	46.8
Russian Federation	691	72.9	23.6	72.9	3.5	0.0	74.7	71.1
Saudi Arabia	600	34.8	41.6	34.8	22.9	0.7	47.9	22.0
Serbia	575	64.9	22.4	64.9	11.8	0.8	71.8	57.6
Singapore	924	71.1	28.3	71.1	0.7	0.0	72.4	69.8
Slovak Republic	824	67.1	24.2	67.1	7.9	0.8	74.9	58.7
Slovenia	635	74.6	19.9	74.6	5.3	0.2	80.3	69.0
Spain	1106	60.6	32.7	60.6	6.6	0.1	61.7	59.4
Sweden	589	67.8	26.4	67.8	5.6	0.1	77.1	58.7
Turkey	921	53.4	40.8	53.4	5.7	0.0	51.7	55.3
United Arab Emirates	3012	50.0	43.2	50.0	6.4	0.3	53.2	47.1
United States	1432	59.9	38.3	59.9	1.6	0.3	63.2	56.7
International Avg (n=47)	36138	59.7	33.5	59.7	6.5	0.3	63.6	55.8
Buenos Aires, Argentina	415	35.0	33.4	35.0	26.5	5.1	43.1	26.3
Ontario, Canada	651	58.0	38.2	58.0	3.8	0.0	64.0	52.7
Quebec, Canada	398	61.7	35.5	61.7	2.8	0.0	62.1	61.3
Norway (4)	600	51.6	42.6	51.6	5.6	0.3	60.7	42.5
Abu Dhabi, UAE	714	47.5	45.8	47.5	6.7	0.1	50.7	44.5
Dubai, UAE	1052	55.9	40.5	55.9	3.6	0.1	59.5	52.4
Florida, US	293	56.2	42.3	56.2	1.5	0.0	54.5	57.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S12_04A (S061133A): Life Science / Reasoning Type: MC Key: C
Label: Water and plant height conclusion

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	68.5	6.1	15.2	68.5	8.7	1.4	0.1	73.3	64.3
Bahrain	586	45.6	14.1	17.3	45.6	20.7	2.0	0.3	48.5	42.6
Belgium (Flemish)	773	69.3	6.1	15.0	69.3	8.4	1.3	0.0	70.0	68.5
Bulgaria	609	63.3	11.3	17.1	63.3	5.5	2.8	0.0	61.8	64.8
Canada	1759	65.7	8.7	16.4	65.7	6.9	2.3	0.0	61.3	70.0
Chile	685	56.3	9.0	17.4	56.3	14.8	1.3	1.2	55.2	57.5
Chinese Taipei	615	75.1	4.5	14.3	75.1	6.1	0.0	0.0	72.9	77.2
Croatia	572	58.2	13.1	17.5	58.2	8.8	2.3	0.1	59.7	56.4
Cyprus	591	50.4	7.9	25.0	50.4	12.6	3.2	0.9	50.7	50.1
Czech Republic	742	53.8	11.1	25.2	53.8	6.4	3.2	0.3	47.1	59.7
Denmark	526	78.5	6.2	6.2	78.5	5.7	2.1	1.2	75.9	81.1
England	566	68.9	6.6	18.4	68.9	5.4	0.5	0.2	65.5	72.5
Finland	716	71.1	5.7	14.1	71.1	6.2	2.7	0.2	72.1	70.2
France	694	56.4	8.7	16.4	56.4	15.0	2.7	0.9	60.6	52.6
Georgia	559	50.5	11.0	14.3	50.5	20.6	3.0	0.5	50.6	50.5
Germany	567	76.5	5.0	8.1	76.5	8.2	2.3	0.0	78.0	75.0
Hong Kong SAR	523	76.3	4.9	12.9	76.3	5.6	0.4	0.0	74.0	78.0
Hungary	723	63.2	6.7	13.2	63.2	14.9	1.5	0.5	64.1	62.4
Indonesia	576	34.9	14.9	20.0	34.9	28.7	0.7	0.8	41.3	28.5
Iran, Islamic Rep. of	547	44.1	14.0	22.2	44.1	12.6	4.7	2.5	44.2	44.0
Ireland	607	66.7	8.3	16.7	66.7	7.9	0.5	0.0	64.1	69.1
Italy	616	57.8	11.5	19.0	57.8	10.4	1.3	0.0	53.3	62.7
Japan	625	80.5	2.3	11.8	80.5	5.2	0.2	0.0	81.0	80.1
Kazakhstan	674	65.7	6.4	14.8	65.7	12.2	0.6	0.4	65.0	66.2
Korea, Rep. of	656	84.9	5.4	6.6	84.9	2.7	0.2	0.2	85.2	84.6
Kuwait	517	33.3	17.8	17.5	33.3	20.2	8.1	3.0	34.9	31.6
Lithuania	650	67.1	6.6	11.7	67.1	13.0	1.6	0.0	69.1	65.2
Morocco	708	44.5	16.4	13.6	44.5	25.2	0.2	0.2	41.5	47.6
Netherlands	641	78.8	4.4	8.8	78.8	6.5	1.1	0.4	79.3	78.3
New Zealand	893	68.6	8.5	14.5	68.6	6.4	1.5	0.4	67.9	69.4
Northern Ireland	442	70.0	5.1	17.9	70.0	7.0	0.0	0.0	68.7	71.3
Norway	613	78.1	5.5	11.1	78.1	2.9	2.2	0.2	78.3	77.9
Oman	1286	46.6	12.7	14.7	46.6	23.3	2.3	0.4	49.3	44.2
Poland	680	76.8	7.5	8.9	76.8	5.9	0.4	0.4	77.1	76.6
Portugal	669	56.5	9.8	21.4	56.5	10.8	1.4	0.0	53.8	59.1
Qatar	732	48.8	17.2	14.7	48.8	17.3	1.5	0.4	49.3	48.4
Russian Federation	691	78.7	6.2	9.6	78.7	4.7	0.7	0.1	78.4	78.9
Saudi Arabia	598	37.4	17.7	23.0	37.4	18.4	2.4	1.0	40.6	34.2
Serbia	575	61.5	10.7	15.7	61.5	8.0	3.1	1.0	58.6	64.6
Singapore	924	83.9	2.8	9.4	83.9	3.9	0.0	0.0	85.5	82.5
Slovak Republic	824	63.8	11.1	10.3	63.8	11.2	2.5	1.1	57.9	70.2
Slovenia	635	62.3	7.6	15.3	62.3	11.6	2.8	0.4	61.6	62.9
Spain	1106	53.8	10.1	24.0	53.8	9.9	1.5	0.7	51.0	56.9
Sweden	589	62.9	12.2	17.5	62.9	4.3	2.9	0.3	59.6	66.1
Turkey	921	48.8	15.7	20.0	48.8	14.7	0.8	0.1	46.0	51.9
United Arab Emirates	3012	53.8	12.3	15.8	53.8	15.6	2.2	0.4	54.0	53.6
United States	1432	68.5	7.1	12.6	68.5	9.3	2.1	0.4	65.1	71.7
International Avg (n=47)	36111	62.3	9.2	15.4	62.3	10.8	1.8	0.5	61.8	62.8
Buenos Aires, Argentina	415	38.8	13.9	19.1	38.8	9.7	13.1	5.4	33.8	44.2
Ontario, Canada	649	68.9	8.2	14.0	68.9	6.5	2.3	0.0	64.3	73.3
Quebec, Canada	398	64.0	9.4	19.7	64.0	5.1	1.8	0.0	58.6	69.1
Norway (4)	600	58.8	12.6	17.0	58.8	9.8	1.4	0.4	55.7	62.0
Abu Dhabi, UAE	714	49.3	12.4	16.6	49.3	17.4	3.9	0.3	49.2	49.4
Dubai, UAE	1052	64.3	9.6	14.7	64.3	9.9	1.3	0.2	65.5	63.3
Florida, US	293	70.4	4.8	15.3	70.4	8.6	0.9	0.0	75.9	65.8

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

SI2_04B (S061133B): Life Science / Reasoning Type: MC Key: D
Label: Water and plant height statement

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	36.1	14.2	27.3	20.7	36.1	1.6	0.2	34.8	37.2
Bahrain	587	15.4	21.5	40.6	19.5	15.4	2.3	0.7	16.0	14.8
Belgium (Flemish)	773	35.7	15.2	36.5	10.1	35.7	2.4	0.2	33.9	37.9
Bulgaria	609	40.9	17.5	25.5	12.6	40.9	3.6	0.0	44.5	37.1
Canada	1756	35.9	17.3	27.8	15.9	35.9	3.0	0.0	37.0	35.0
Chile	685	13.8	15.7	24.0	42.5	13.8	2.4	1.5	16.1	11.5
Chinese Taipei	615	27.7	14.2	42.2	15.0	27.7	0.9	0.0	25.4	30.1
Croatia	572	16.3	8.4	41.4	31.0	16.3	2.8	0.1	17.9	14.5
Cyprus	591	23.2	17.3	37.2	16.8	23.2	4.3	1.3	20.8	25.6
Czech Republic	742	34.1	23.5	30.4	8.0	34.1	2.9	1.1	31.0	36.8
Denmark	526	42.5	11.9	32.2	9.0	42.5	3.1	1.3	43.6	41.3
England	566	44.6	10.8	27.6	15.1	44.6	1.6	0.3	43.5	45.9
Finland	716	46.9	9.1	32.1	7.7	46.9	3.9	0.3	49.4	44.7
France	694	22.2	14.7	38.7	17.1	22.2	6.0	1.4	24.6	20.0
Georgia	559	25.5	23.0	28.0	18.0	25.5	4.2	1.4	22.9	27.6
Germany	567	34.3	7.4	36.5	14.7	34.3	6.9	0.2	33.1	35.3
Hong Kong SAR	523	63.0	7.8	24.1	4.5	63.0	0.6	0.0	64.2	62.0
Hungary	723	39.1	13.2	27.7	12.3	39.1	6.8	0.8	39.3	39.0
Indonesia	575	12.2	39.7	34.8	10.6	12.2	1.6	1.0	12.0	12.5
Iran, Islamic Rep. of	547	9.0	27.1	28.8	25.4	9.0	5.1	4.6	8.8	9.1
Ireland	607	35.7	15.7	33.3	14.6	35.7	0.7	0.1	35.3	36.1
Italy	616	28.3	15.9	33.2	18.5	28.3	4.1	0.1	27.2	29.6
Japan	625	63.2	3.8	24.4	7.9	63.2	0.7	0.0	66.8	59.8
Kazakhstan	674	28.9	34.7	25.6	9.5	28.9	0.9	0.4	28.6	29.2
Korea, Rep. of	656	48.3	7.8	13.3	30.4	48.3	0.0	0.2	51.7	45.3
Kuwait	517	12.1	23.6	30.0	21.9	12.1	7.7	4.7	10.0	14.4
Lithuania	650	39.7	17.5	30.2	9.2	39.7	3.2	0.1	41.6	38.0
Morocco	702	18.8	19.1	32.0	29.0	18.8	0.9	0.2	20.1	17.5
Netherlands	641	45.3	6.8	32.9	12.2	45.3	1.9	0.9	40.2	50.8
New Zealand	893	37.1	16.8	22.3	20.9	37.1	2.5	0.4	39.2	35.0
Northern Ireland	439	45.5	14.1	27.3	13.1	45.5	0.0	0.0	43.5	47.4
Norway	613	50.3	10.9	30.1	7.2	50.3	1.3	0.2	49.3	51.3
Oman	1286	20.0	20.3	43.1	13.5	20.0	2.0	1.0	18.7	21.2
Poland	680	51.0	6.9	25.4	15.8	51.0	0.6	0.4	51.0	51.0
Portugal	669	25.6	25.2	32.3	13.0	25.6	3.5	0.3	25.3	25.9
Qatar	732	19.5	22.1	34.5	20.4	19.5	2.4	1.0	20.3	18.8
Russian Federation	691	45.1	15.3	24.8	9.6	45.1	5.1	0.1	45.9	44.3
Saudi Arabia	597	11.0	24.5	47.0	12.9	11.0	3.6	1.1	10.1	11.8
Serbia	575	35.5	20.8	27.5	7.3	35.5	7.9	1.0	35.6	35.5
Singapore	924	64.4	6.9	20.9	7.6	64.4	0.2	0.0	65.4	63.5
Slovak Republic	824	30.8	12.6	38.1	13.0	30.8	4.4	1.1	27.1	34.7
Slovenia	635	32.2	12.2	38.1	13.1	32.2	4.0	0.4	33.2	31.2
Spain	1106	23.5	20.5	36.1	16.0	23.5	3.1	0.7	21.8	25.3
Sweden	589	41.0	11.2	32.2	10.3	41.0	4.8	0.4	42.3	39.8
Turkey	921	25.5	22.4	41.6	10.0	25.5	0.5	0.1	25.2	25.8
United Arab Emirates	3012	24.2	22.0	33.8	17.9	24.2	1.6	0.6	25.0	23.4
United States	1432	45.0	13.7	22.6	16.0	45.0	1.9	0.7	44.5	45.4
International Avg (n=47)	36098	33.3	16.4	31.4	15.3	33.3	2.9	0.7	33.3	33.4
Buenos Aires, Argentina	415	11.5	27.5	31.0	11.3	11.5	12.8	5.8	11.5	11.5
Ontario, Canada	650	37.8	17.1	24.7	17.7	37.8	2.8	0.0	38.7	37.0
Quebec, Canada	395	33.5	14.9	38.0	10.4	33.5	3.1	0.0	38.9	28.6
Norway (4)	600	30.9	14.5	40.1	11.4	30.9	2.6	0.4	27.0	34.8
Abu Dhabi, UAE	714	23.8	19.0	35.9	18.5	23.8	2.2	0.5	23.9	23.8
Dubai, UAE	1052	34.2	19.1	30.1	14.7	34.2	1.4	0.4	36.6	31.9
Florida, US	293	44.7	17.3	21.6	15.4	44.7	0.7	0.3	55.6	35.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S12_05 (S061074): Life Science / Applying Type: CR 1 Point
Label: Factory near farm fields

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	42.6	49.5	42.6	7.7	0.2	41.5	43.5
Bahrain	587	44.1	39.3	44.1	15.9	0.7	47.2	41.0
Belgium (Flemish)	773	30.2	53.9	30.2	15.7	0.3	32.0	28.1
Bulgaria	609	52.6	26.2	52.6	21.1	0.1	52.5	52.7
Canada	1763	60.4	29.0	60.4	10.6	0.0	59.4	61.5
Chile	685	29.9	47.9	29.9	20.4	1.8	29.2	30.7
Chinese Taipei	615	55.0	42.7	55.0	2.2	0.0	55.7	54.4
Croatia	572	47.9	41.1	47.9	10.9	0.1	46.9	49.1
Cyprus	591	26.1	47.3	26.1	25.1	1.6	26.7	25.4
Czech Republic	742	49.3	39.3	49.3	10.1	1.3	47.5	50.8
Denmark	526	46.8	41.2	46.8	10.7	1.3	48.5	45.0
England	566	48.5	40.8	48.5	10.4	0.3	44.6	52.6
Finland	716	49.5	40.1	49.5	10.1	0.3	51.0	48.1
France	694	54.7	26.3	54.7	16.9	2.1	58.9	50.9
Georgia	559	27.1	43.5	27.1	27.9	1.5	28.6	26.0
Germany	567	44.9	38.4	44.9	16.6	0.2	44.0	45.7
Hong Kong SAR	523	58.5	36.5	58.5	5.0	0.0	58.9	58.2
Hungary	723	61.1	30.9	61.1	7.2	0.8	62.7	59.8
Indonesia	575	36.6	47.0	36.6	15.5	1.0	41.0	32.1
Iran, Islamic Rep. of	547	46.9	34.8	46.9	13.6	4.7	53.5	41.3
Ireland	607	53.3	37.8	53.3	8.7	0.1	53.2	53.5
Italy	615	44.8	40.6	44.8	14.2	0.4	38.6	51.2
Japan	625	57.7	31.1	57.7	11.1	0.1	58.8	56.6
Kazakhstan	674	63.7	28.0	63.7	7.8	0.5	67.2	60.7
Korea, Rep. of	656	81.3	17.5	81.3	1.0	0.2	81.9	80.7
Kuwait	517	19.0	23.0	19.0	52.5	5.5	19.8	18.2
Lithuania	650	42.4	41.7	42.4	15.8	0.1	43.6	41.3
Morocco	725	15.7	52.5	15.7	31.1	0.7	18.2	13.2
Netherlands	641	36.1	53.3	36.1	9.7	0.9	33.4	39.0
New Zealand	893	42.0	46.0	42.0	11.6	0.4	40.0	43.9
Northern Ireland	446	50.5	39.2	50.5	10.3	0.0	50.9	50.4
Norway	613	44.0	45.9	44.0	9.7	0.4	39.8	48.3
Oman	1286	34.6	49.3	34.6	15.0	1.1	36.9	32.5
Poland	680	61.2	27.2	61.2	11.2	0.4	65.6	56.8
Portugal	669	53.6	34.0	53.6	12.0	0.4	52.0	55.1
Qatar	732	35.5	40.8	35.5	22.4	1.3	40.0	30.8
Russian Federation	691	64.5	25.3	64.5	10.0	0.3	64.2	64.7
Saudi Arabia	600	37.8	26.4	37.8	34.1	1.8	52.4	23.4
Serbia	575	55.9	29.2	55.9	13.8	1.1	57.7	53.9
Singapore	924	68.0	29.1	68.0	2.9	0.0	65.5	70.3
Slovak Republic	824	45.6	38.1	45.6	15.2	1.1	47.1	44.0
Slovenia	635	53.5	35.1	53.5	11.0	0.4	54.2	52.8
Spain	1106	63.5	23.2	63.5	12.6	0.7	57.1	70.4
Sweden	589	51.2	32.8	51.2	15.3	0.7	54.2	48.3
Turkey	921	48.5	42.7	48.5	8.8	0.1	46.0	51.3
United Arab Emirates	3012	40.8	36.3	40.8	22.3	0.6	42.9	38.8
United States	1432	54.3	40.9	54.3	4.1	0.7	52.2	56.3
International Avg (n=47)	36137	47.5	37.5	47.5	14.2	0.8	48.2	46.9
Buenos Aires, Argentina	415	10.3	26.9	10.3	56.5	6.3	10.5	10.0
Ontario, Canada	651	62.7	27.9	62.7	9.4	0.0	61.7	63.9
Quebec, Canada	398	57.5	32.3	57.5	10.2	0.0	57.1	58.0
Norway (4)	600	31.2	51.1	31.2	16.5	1.2	34.7	27.8
Abu Dhabi, UAE	714	34.1	39.1	34.1	26.2	0.6	38.2	30.6
Dubai, UAE	1052	55.1	32.9	55.1	11.6	0.4	55.4	54.8
Florida, US	293	56.5	39.7	56.5	3.1	0.7	57.5	55.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S12_06 (S061093): Life Science / Knowing Type: CR 2 Points
Label: Polar bear fur for survival

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	30.9	56.8	10.3	87.7	30.9	1.7	0.3	31.2	30.7
Bahrain	587	15.3	42.3	33.0	57.6	15.3	8.1	1.2	14.7	16.0
Belgium (Flemish)	773	30.0	59.3	8.3	89.4	30.0	2.0	0.4	28.9	31.3
Bulgaria	609	27.6	49.6	12.4	77.1	27.6	9.8	0.6	28.4	26.8
Canada	1763	39.8	45.0	8.9	84.8	39.8	6.3	0.0	41.2	38.4
Chile	685	22.2	45.1	21.3	67.3	22.2	9.1	2.3	21.8	22.6
Chinese Taipei	615	33.8	58.2	4.8	92.1	33.8	3.1	0.0	34.3	33.4
Croatia	572	27.4	57.5	10.8	85.0	27.4	4.1	0.1	25.5	29.7
Cyprus	591	19.7	54.7	15.0	74.4	19.7	8.8	1.7	19.0	20.5
Czech Republic	742	40.5	50.3	4.7	90.8	40.5	3.1	1.4	39.8	41.0
Denmark	526	34.7	44.7	13.7	79.4	34.7	4.9	2.0	35.5	33.9
England	566	35.9	54.1	8.2	90.1	35.9	1.4	0.3	34.6	37.3
Finland	716	38.2	46.8	9.0	85.0	38.2	5.4	0.6	40.8	35.9
France	690	18.7	54.5	16.3	73.2	18.7	8.2	2.3	16.0	21.2
Georgia	559	25.8	37.8	28.0	63.6	25.8	6.8	1.7	24.1	27.3
Germany	567	30.2	53.1	12.2	83.2	30.2	4.4	0.2	30.8	29.8
Hong Kong SAR	523	21.3	68.5	7.8	89.8	21.3	2.4	0.0	18.9	23.2
Hungary	723	32.0	52.4	9.2	84.4	32.0	5.0	1.4	32.3	31.8
Indonesia	574	2.5	28.0	57.9	30.5	2.5	10.2	1.4	3.0	2.0
Iran, Islamic Rep. of	547	9.8	43.6	25.0	53.3	9.8	16.7	4.9	9.4	10.1
Ireland	607	39.2	49.1	9.9	88.3	39.2	1.7	0.2	34.8	43.3
Italy	615	17.7	60.3	12.2	78.0	17.7	9.0	0.8	14.4	21.0
Japan	625	36.5	54.3	6.5	90.8	36.5	2.2	0.4	41.8	31.5
Kazakhstan	674	23.4	62.2	12.2	85.7	23.4	1.3	0.8	26.7	20.6
Korea, Rep. of	656	28.8	69.5	1.6	98.2	28.8	0.0	0.2	20.4	36.2
Kuwait	517	3.7	31.6	29.5	35.3	3.7	28.3	6.9	5.3	2.1
Lithuania	650	22.8	64.3	11.2	87.1	22.8	1.6	0.1	20.7	24.8
Morocco	724	0.7	24.8	55.8	25.5	0.7	16.8	2.0	0.0	1.3
Netherlands	641	27.1	57.6	11.9	84.7	27.1	2.3	1.1	30.0	23.9
New Zealand	893	33.1	48.8	13.0	81.9	33.1	4.4	0.7	33.1	33.1
Northern Ireland	446	31.4	57.5	8.9	88.9	31.4	1.9	0.3	31.3	31.1
Norway	613	34.0	55.0	8.3	89.0	34.0	1.9	0.9	31.1	36.9
Oman	1283	18.5	32.2	40.6	50.7	18.5	7.3	1.3	22.1	15.2
Poland	680	42.9	48.8	5.5	91.7	42.9	2.3	0.6	44.6	41.3
Portugal	669	19.9	60.1	14.5	80.1	19.9	4.9	0.6	17.2	22.6
Qatar	732	10.2	46.7	30.2	56.9	10.2	11.3	1.7	12.5	7.8
Russian Federation	691	47.5	43.3	7.3	90.8	47.5	1.5	0.4	44.9	50.0
Saudi Arabia	600	6.0	31.3	45.4	37.3	6.0	15.5	1.9	7.4	4.6
Serbia	575	25.7	55.9	8.0	81.6	25.7	9.0	1.4	26.1	25.2
Singapore	924	35.8	51.1	11.8	86.9	35.8	1.1	0.2	34.8	36.7
Slovak Republic	824	22.2	59.0	10.1	81.1	22.2	7.3	1.5	23.5	20.7
Slovenia	635	33.8	51.2	10.5	85.0	33.8	4.2	0.4	30.5	37.1
Spain	1106	29.6	50.3	14.0	79.9	29.6	5.0	1.0	26.0	33.5
Sweden	589	34.4	56.0	5.4	90.4	34.4	3.2	1.0	35.8	33.1
Turkey	921	11.4	54.3	29.9	65.7	11.4	4.2	0.2	9.8	13.2
United Arab Emirates	3012	14.8	40.7	32.8	55.5	14.8	10.9	0.7	14.6	15.0
United States	1432	46.3	43.5	7.8	89.8	46.3	1.6	0.7	45.8	46.8
International Avg (n=47)	36128	26.3	50.2	16.4	76.5	26.3	6.0	1.1	25.9	26.6
Buenos Aires, Argentina	415	10.6	37.4	23.5	48.0	10.6	21.1	7.4	9.4	11.8
Ontario, Canada	651	43.9	43.2	8.1	87.1	43.9	4.8	0.0	46.2	41.7
Quebec, Canada	398	36.2	45.2	8.9	81.5	36.2	9.6	0.0	38.9	33.8
Norway (4)	600	23.9	56.7	14.1	80.6	23.9	2.7	2.5	21.3	26.5
Abu Dhabi, UAE	714	11.4	37.1	41.1	48.5	11.4	9.9	0.6	10.2	12.4
Dubai, UAE	1052	26.5	44.5	22.9	71.0	26.5	5.6	0.5	27.1	25.9
Florida, US	293	45.8	39.8	12.3	85.5	45.8	1.4	0.7	50.7	41.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S12_07 (S061161): Physical Science / Applying Type: CR 1 Point
Label: Pots are made of metal

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	46.0	47.0	46.0	6.6	0.4	50.6	42.0
Bahrain	587	30.2	51.1	30.2	17.4	1.2	32.2	28.2
Belgium (Flemish)	773	29.8	64.1	29.8	5.7	0.4	30.8	28.7
Bulgaria	609	62.6	19.6	62.6	16.8	1.0	67.2	57.9
Canada	1763	41.6	58.3	41.6	0.0	0.0	43.7	39.7
Chile	685	17.3	63.8	17.3	16.2	2.7	16.0	18.6
Chinese Taipei	615	38.0	54.3	38.0	7.5	0.2	35.8	40.2
Croatia	572	44.3	45.5	44.3	10.1	0.1	45.8	42.6
Cyprus	591	31.0	44.6	31.0	22.3	2.1	29.4	32.6
Czech Republic	742	38.0	50.1	38.0	10.3	1.6	40.2	36.0
Denmark	526	40.4	48.1	40.4	9.3	2.2	36.6	44.3
England	566	31.4	63.0	31.4	5.2	0.3	29.3	33.8
Finland	716	39.0	50.6	39.0	9.2	1.2	40.6	37.6
France	694	26.4	50.9	26.4	19.8	2.9	25.6	27.0
Georgia	559	31.1	50.0	31.1	16.6	2.3	31.9	30.6
Germany	567	50.4	35.9	50.4	13.5	0.2	54.2	46.7
Hong Kong SAR	523	34.2	57.3	34.2	8.5	0.0	31.3	36.5
Hungary	723	39.3	47.7	39.3	11.2	1.7	40.5	38.3
Indonesia	574	20.8	65.4	20.8	12.3	1.5	21.5	20.0
Iran, Islamic Rep. of	547	9.3	60.4	9.3	25.3	5.0	7.4	10.9
Ireland	607	31.0	63.0	31.0	5.8	0.2	29.6	32.2
Italy	615	36.8	42.7	36.8	19.6	0.8	31.7	42.1
Japan	625	56.2	39.4	56.2	4.0	0.4	58.2	54.2
Kazakhstan	674	64.2	26.9	64.2	8.1	0.8	67.0	61.7
Korea, Rep. of	656	42.4	55.8	42.4	1.6	0.2	41.7	43.1
Kuwait	517	7.5	33.0	7.5	52.6	6.9	9.2	5.7
Lithuania	650	40.9	48.9	40.9	10.1	0.1	38.2	43.4
Morocco	725	12.3	49.7	12.3	35.9	2.0	12.9	11.6
Netherlands	641	27.8	66.0	27.8	4.0	2.1	27.9	27.8
New Zealand	893	32.0	58.2	32.0	8.7	1.0	30.4	33.5
Northern Ireland	446	37.4	53.3	37.4	8.9	0.4	35.5	39.8
Norway	613	42.2	50.4	42.2	6.5	0.9	43.4	41.0
Oman	1286	27.4	53.0	27.4	18.3	1.3	31.1	24.0
Poland	680	40.2	50.5	40.2	8.8	0.6	41.9	38.5
Portugal	669	35.4	51.9	35.4	12.1	0.6	34.9	35.9
Qatar	732	16.9	58.3	16.9	22.8	2.0	20.8	12.9
Russian Federation	691	60.9	32.4	60.9	6.3	0.4	62.5	59.2
Saudi Arabia	600	20.5	42.9	20.5	34.7	1.9	27.4	13.7
Serbia	575	58.1	29.1	58.1	11.4	1.4	55.8	60.5
Singapore	924	86.4	12.3	86.4	1.1	0.2	87.0	85.9
Slovak Republic	824	32.5	49.6	32.5	16.5	1.5	35.8	29.0
Slovenia	635	36.1	52.0	36.1	11.6	0.4	34.6	37.5
Spain	1106	26.6	61.9	26.6	10.4	1.1	25.1	28.2
Sweden	589	40.2	52.8	40.2	6.0	1.0	40.0	40.5
Turkey	921	39.0	53.7	39.0	7.1	0.2	39.4	38.6
United Arab Emirates	3012	23.1	51.5	23.1	24.3	1.0	25.8	20.7
United States	1432	36.7	58.5	36.7	3.9	1.0	40.3	33.1
International Avg (n=47)	36136	36.4	49.5	36.4	12.9	1.2	37.0	35.9
Buenos Aires, Argentina	415	17.7	41.4	17.7	33.1	7.7	16.9	18.5
Ontario, Canada	651	38.9	61.0	38.9	0.1	0.0	40.3	37.5
Quebec, Canada	398	52.2	47.8	52.2	0.0	0.0	54.9	49.7
Norway (4)	600	31.7	50.7	31.7	15.1	2.5	33.2	30.1
Abu Dhabi, UAE	714	16.3	56.7	16.3	26.2	0.8	19.3	13.5
Dubai, UAE	1052	33.0	53.9	33.0	12.5	0.6	32.5	33.4
Florida, US	293	36.4	58.7	36.4	4.1	0.7	40.7	32.9

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S12_08A (S061042A): Physical Science / Reasoning Type: MC Key: B
Label: Separate iron from sand and salt

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	38.0	21.9	38.0	26.0	10.0	3.6	0.5	35.9	39.8
Bahrain	587	46.0	20.1	46.0	25.1	4.8	2.8	1.2	49.9	42.1
Belgium (Flemish)	773	31.3	20.1	31.3	37.8	6.7	3.5	0.6	29.0	33.9
Bulgaria	609	55.6	11.0	55.6	26.0	3.7	2.6	1.0	55.1	56.0
Canada	1755	35.5	22.7	35.5	29.2	6.9	5.7	0.0	33.3	37.5
Chile	685	18.7	27.8	18.7	32.5	12.5	4.7	3.9	14.9	22.6
Chinese Taipei	615	40.8	15.3	40.8	38.4	0.8	4.6	0.2	42.4	39.1
Croatia	572	48.2	19.3	48.2	21.7	5.0	5.7	0.1	52.2	43.4
Cyprus	591	33.7	26.2	33.7	29.5	6.5	1.5	2.6	30.9	36.5
Czech Republic	742	46.5	15.7	46.5	30.2	3.3	2.6	1.7	40.9	51.3
Denmark	524	37.1	21.3	37.1	25.9	5.9	6.0	3.8	34.8	39.4
England	566	35.3	14.3	35.3	38.5	8.1	3.5	0.3	37.0	33.4
Finland	716	41.1	13.8	41.1	39.1	1.3	3.5	1.2	37.3	44.4
France	694	30.3	22.4	30.3	24.9	14.7	4.1	3.6	24.2	36.0
Georgia	559	36.4	15.2	36.4	35.3	4.8	5.5	2.9	35.4	37.2
Germany	567	57.1	12.0	57.1	24.8	1.8	4.0	0.3	53.0	61.0
Hong Kong SAR	523	44.3	17.3	44.3	34.6	2.5	1.3	0.0	39.0	48.5
Hungary	723	53.9	11.0	53.9	27.4	2.9	2.5	2.2	55.0	52.9
Indonesia	574	33.3	21.3	33.3	36.6	5.9	1.2	1.7	32.2	34.5
Iran, Islamic Rep. of	547	58.4	13.8	58.4	13.6	5.8	2.5	5.9	63.6	54.0
Ireland	607	46.8	13.9	46.8	26.8	9.6	2.6	0.3	44.7	48.8
Italy	616	33.8	18.5	33.8	34.8	5.9	4.9	2.1	29.9	37.8
Japan	625	74.1	7.6	74.1	12.6	2.6	2.5	0.6	77.7	70.8
Kazakhstan	674	59.9	11.7	59.9	19.6	6.8	1.0	0.9	60.8	59.2
Korea, Rep. of	656	84.3	2.8	84.3	11.7	0.0	1.0	0.2	82.2	86.2
Kuwait	518	22.2	38.2	22.2	18.4	8.5	5.6	7.1	21.5	22.9
Lithuania	650	46.1	21.7	46.1	26.7	1.6	3.7	0.3	44.2	47.9
Morocco	685	24.9	39.0	24.9	24.3	10.4	1.0	0.3	27.1	22.7
Netherlands	641	40.9	15.1	40.9	36.1	3.0	2.7	2.1	40.4	41.4
New Zealand	893	35.0	20.9	35.0	30.4	6.9	5.5	1.4	33.5	36.5
Northern Ireland	429	35.9	18.6	35.9	36.3	8.7	0.5	0.0	32.1	39.7
Norway	613	46.9	21.6	46.9	25.4	2.6	2.1	1.4	48.4	45.2
Oman	1286	52.5	22.7	52.5	15.5	5.2	2.8	1.4	51.9	53.1
Poland	680	44.7	14.1	44.7	35.2	2.5	2.8	0.6	42.5	47.0
Portugal	669	31.2	15.7	31.2	35.4	13.8	2.7	1.2	30.9	31.4
Qatar	732	41.5	25.4	41.5	19.6	6.7	4.4	2.4	41.5	41.6
Russian Federation	691	49.3	9.8	49.3	31.3	2.4	6.5	0.6	47.8	50.8
Saudi Arabia	594	39.6	28.1	39.6	22.6	5.3	1.8	2.5	44.0	35.3
Serbia	575	38.5	16.1	38.5	34.6	3.7	5.4	1.7	42.4	34.3
Singapore	924	78.5	6.3	78.5	11.3	1.5	2.2	0.2	81.0	76.2
Slovak Republic	824	54.5	12.8	54.5	26.3	2.2	2.7	1.5	51.2	58.1
Slovenia	635	51.4	10.5	51.4	31.2	2.9	3.4	0.7	53.6	49.2
Spain	1106	39.0	20.8	39.0	28.3	7.3	3.3	1.3	37.3	40.8
Sweden	588	38.2	19.8	38.2	33.7	2.7	4.6	1.0	32.3	44.1
Turkey	921	66.6	11.1	66.6	19.2	1.6	1.1	0.4	67.5	65.6
United Arab Emirates	3012	44.0	24.5	44.0	21.9	5.0	3.2	1.4	43.5	44.5
United States	1432	43.2	16.1	43.2	30.1	6.5	2.7	1.4	42.0	44.4
International Avg (n=47)	36064	44.4	18.0	44.4	27.6	5.3	3.3	1.5	43.6	45.1
Buenos Aires, Argentina	414	23.6	22.6	23.6	20.1	11.3	12.5	9.9	26.6	20.4
Ontario, Canada	649	35.9	23.7	35.9	28.1	6.0	6.3	0.0	32.9	38.4
Quebec, Canada	396	33.5	21.7	33.5	33.3	7.0	4.5	0.0	27.9	38.6
Norway (4)	600	21.8	28.8	21.8	37.4	3.8	4.3	3.9	18.9	24.8
Abu Dhabi, UAE	714	36.2	27.3	36.2	23.8	6.6	4.1	2.0	37.4	35.2
Dubai, UAE	1052	55.9	15.9	55.9	21.2	3.7	2.6	0.8	56.3	55.5
Florida, US	293	41.0	20.3	41.0	31.1	6.0	0.4	1.3	38.6	42.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S12_08B (S061042B): Physical Science / Reasoning Type: MC Key: A
Label: Separate sand from mixture

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	38.4	38.4	25.8	8.9	22.7	3.5	0.6	40.0	37.1
Bahrain	587	41.9	41.9	26.4	9.7	15.7	4.7	1.5	47.6	36.1
Belgium (Flemish)	773	39.2	39.2	21.0	14.1	20.6	4.1	1.0	40.5	37.7
Bulgaria	609	44.7	44.7	21.7	16.2	11.5	4.9	1.0	45.8	43.5
Canada	1762	38.1	38.1	22.0	9.8	21.9	5.3	2.9	40.6	35.6
Chile	685	29.8	29.8	15.4	15.1	28.7	6.8	4.1	28.7	30.9
Chinese Taipei	615	68.0	68.0	16.9	6.5	7.5	0.9	0.2	76.0	59.8
Croatia	572	44.3	44.3	18.9	11.9	21.8	3.0	0.1	42.9	45.9
Cyprus	591	26.7	26.7	21.1	17.4	27.6	4.6	2.6	24.7	28.8
Czech Republic	742	53.3	53.3	11.1	7.6	20.0	6.2	1.7	55.0	51.9
Denmark	525	47.8	47.8	24.3	6.3	11.2	5.9	4.5	51.1	44.4
England	566	60.2	60.2	21.1	2.6	13.1	2.5	0.5	67.8	52.1
Finland	716	57.1	57.1	15.2	5.6	17.7	3.2	1.2	57.9	56.4
France	694	41.6	41.6	17.6	10.6	19.7	6.6	3.9	41.5	41.6
Georgia	559	27.0	27.0	17.6	16.2	27.3	7.9	4.0	28.7	25.6
Germany	567	57.6	57.6	15.5	5.9	15.3	5.3	0.4	60.3	55.1
Hong Kong SAR	523	60.8	60.8	17.7	4.8	15.7	1.0	0.0	57.9	63.0
Hungary	723	59.4	59.4	12.0	8.4	11.7	5.7	2.9	59.6	59.3
Indonesia	574	44.6	44.6	16.4	12.8	19.6	4.7	1.9	46.6	42.6
Iran, Islamic Rep. of	547	33.8	33.8	23.4	10.7	18.9	6.7	6.4	35.0	32.9
Ireland	607	45.0	45.0	24.8	6.6	20.3	2.6	0.7	50.6	39.7
Italy	616	31.4	31.4	19.1	18.9	24.2	4.2	2.2	35.5	27.5
Japan	625	47.5	47.5	24.1	8.1	18.3	1.3	0.7	47.2	47.7
Kazakhstan	674	48.6	48.6	16.2	6.5	24.2	3.6	0.9	46.6	50.4
Korea, Rep. of	656	54.7	54.7	17.0	5.1	22.8	0.2	0.2	52.5	56.7
Kuwait	518	22.3	22.3	21.0	10.7	23.7	14.9	7.3	24.4	20.0
Lithuania	650	45.6	45.6	14.6	15.8	20.1	3.6	0.3	40.3	50.7
Morocco	651	13.6	13.6	28.2	23.0	34.5	0.6	0.2	11.3	16.0
Netherlands	641	43.0	43.0	29.3	6.5	16.1	2.9	2.1	46.3	39.5
New Zealand	893	41.6	41.6	27.3	6.4	17.5	5.7	1.5	44.0	39.3
Northern Ireland	433	46.3	46.3	25.4	5.2	22.8	0.4	0.0	46.5	46.3
Norway	613	42.9	42.9	24.3	6.1	22.2	3.0	1.6	42.0	43.7
Oman	1285	43.9	43.9	19.1	13.3	18.4	3.8	1.5	47.9	40.3
Poland	680	48.7	48.7	20.5	7.9	19.2	3.1	0.6	51.1	46.2
Portugal	669	34.8	34.8	20.1	10.6	28.0	5.2	1.3	35.8	33.8
Qatar	732	37.0	37.0	20.4	11.3	23.5	4.8	2.9	39.7	34.2
Russian Federation	691	62.0	62.0	13.7	6.8	13.6	3.1	0.8	64.9	59.0
Saudi Arabia	599	35.2	35.2	22.7	11.6	21.3	6.5	2.7	42.6	28.0
Serbia	575	40.9	40.9	18.0	10.1	20.7	7.3	2.9	41.7	40.1
Singapore	924	47.2	47.2	23.4	7.0	21.3	0.9	0.2	50.6	44.1
Slovak Republic	824	49.7	49.7	12.9	10.9	21.1	3.9	1.5	49.2	50.3
Slovenia	635	45.3	45.3	19.0	9.7	21.1	3.9	1.0	46.7	43.8
Spain	1106	35.0	35.0	22.7	12.2	24.4	3.7	2.0	36.0	33.9
Sweden	588	63.1	63.1	14.3	4.6	13.4	3.4	1.2	58.7	67.4
Turkey	921	35.2	35.2	27.8	9.5	23.8	3.3	0.4	36.5	33.7
United Arab Emirates	3012	38.8	38.8	20.7	11.4	22.4	5.2	1.6	40.0	37.6
United States	1432	42.2	42.2	23.4	8.0	19.6	4.9	1.9	42.7	41.8
International Avg (n=47)	36046	43.7	43.7	20.2	9.9	20.1	4.2	1.7	45.1	42.4
Buenos Aires, Argentina	415	29.3	29.3	10.4	14.1	21.6	13.4	11.2	31.2	27.2
Ontario, Canada	651	40.4	40.4	23.8	5.8	20.6	5.8	3.7	46.3	35.1
Quebec, Canada	398	34.0	34.0	18.7	17.5	25.6	2.7	1.5	32.0	35.8
Norway (4)	600	34.3	34.3	23.6	7.0	25.3	5.7	4.1	33.1	35.6
Abu Dhabi, UAE	714	28.2	28.2	20.9	15.4	24.9	8.5	2.2	30.7	25.9
Dubai, UAE	1052	51.8	51.8	19.7	7.5	17.4	2.7	0.9	52.6	51.0
Florida, US	293	31.0	31.0	28.9	9.3	24.7	4.8	1.3	37.0	26.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S12_09A (S061041A): Physical Science / Applying Type: CR 1 Point
Label: Boiling water disappears

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	28.7	63.9	28.7	6.6	0.8	26.0	31.1
Bahrain	587	49.2	40.3	49.2	8.6	1.8	53.2	45.1
Belgium (Flemish)	773	40.4	52.3	40.4	6.1	1.2	35.8	45.6
Bulgaria	609	68.4	18.4	68.4	11.7	1.5	72.9	63.9
Canada	1763	35.2	56.0	35.2	5.6	3.2	34.5	36.0
Chile	685	38.2	47.2	38.2	10.1	4.4	39.5	36.9
Chinese Taipei	615	74.3	21.5	74.3	4.0	0.2	69.1	79.6
Croatia	572	68.3	28.4	68.3	3.2	0.1	68.2	68.4
Cyprus	591	40.1	41.9	40.1	15.3	2.7	38.9	41.3
Czech Republic	742	70.0	22.1	70.0	5.6	2.2	67.3	72.4
Denmark	525	47.4	42.5	47.4	5.2	4.9	46.3	48.6
England	566	33.4	58.7	33.4	7.0	0.8	33.0	33.8
Finland	716	49.3	42.6	49.3	6.9	1.2	47.7	50.7
France	694	36.0	51.4	36.0	8.0	4.6	27.8	43.5
Georgia	559	30.1	49.3	30.1	16.0	4.6	34.2	26.8
Germany	567	57.8	32.6	57.8	9.0	0.6	53.3	62.0
Hong Kong SAR	523	52.8	39.7	52.8	7.5	0.0	48.2	56.4
Hungary	723	64.4	26.3	64.4	5.6	3.7	61.1	67.3
Indonesia	575	15.6	68.8	15.6	13.6	2.0	13.4	17.7
Iran, Islamic Rep. of	547	37.7	35.7	37.7	18.7	7.9	37.8	37.6
Ireland	607	26.7	68.0	26.7	4.5	0.8	22.5	30.8
Italy	615	49.5	36.0	49.5	12.2	2.4	49.4	49.9
Japan	625	70.3	27.4	70.3	1.2	1.0	69.2	71.3
Kazakhstan	674	74.1	19.6	74.1	4.6	1.6	77.6	71.1
Korea, Rep. of	656	87.6	12.0	87.6	0.2	0.2	85.1	89.8
Kuwait	518	14.8	40.8	14.8	35.5	9.0	16.1	13.4
Lithuania	650	64.1	28.6	64.1	6.8	0.5	64.7	63.6
Morocco	726	26.3	51.0	26.3	20.4	2.3	31.2	21.3
Netherlands	641	45.1	49.1	45.1	3.7	2.1	42.0	48.5
New Zealand	893	26.9	65.2	26.9	6.4	1.6	25.4	28.4
Northern Ireland	446	25.1	68.2	25.1	5.7	1.0	24.5	25.9
Norway	613	50.9	44.8	50.9	1.8	2.5	45.8	56.1
Oman	1284	39.9	45.2	39.9	13.2	1.6	40.4	39.5
Poland	680	76.1	18.2	76.1	4.7	1.0	73.5	78.8
Portugal	669	49.6	43.1	49.6	5.5	1.8	48.5	50.7
Qatar	732	34.6	48.3	34.6	14.0	3.1	39.5	29.5
Russian Federation	691	73.2	20.8	73.2	5.2	0.8	75.1	71.3
Saudi Arabia	600	37.0	37.1	37.0	21.1	4.8	47.4	26.8
Serbia	575	63.4	22.1	63.4	9.9	4.5	61.0	66.0
Singapore	924	47.7	50.9	47.7	1.2	0.2	46.1	49.1
Slovak Republic	824	62.7	25.1	62.7	10.6	1.7	61.5	63.9
Slovenia	635	69.6	27.2	69.6	1.9	1.3	69.0	70.1
Spain	1106	47.4	40.9	47.4	9.5	2.2	44.3	50.8
Sweden	589	59.5	31.0	59.5	8.0	1.5	62.9	56.2
Turkey	921	66.6	28.9	66.6	3.6	0.9	64.8	68.6
United Arab Emirates	3011	38.5	44.3	38.5	15.2	2.0	38.1	38.8
United States	1432	42.3	53.2	42.3	2.1	2.4	37.4	47.0
International Avg (n=47)	36135	49.1	40.1	49.1	8.6	2.2	48.3	49.8
Buenos Aires, Argentina	415	18.4	34.6	18.4	35.0	12.0	16.6	20.2
Ontario, Canada	651	30.0	60.7	30.0	5.4	3.9	27.6	32.3
Quebec, Canada	398	46.8	46.5	46.8	5.0	1.6	46.3	47.3
Norway (4)	600	43.1	45.1	43.1	6.8	5.0	36.7	49.5
Abu Dhabi, UAE	714	28.8	51.3	28.8	17.2	2.8	29.3	28.3
Dubai, UAE	1052	49.3	42.5	49.3	7.0	1.1	49.7	49.0
Florida, US	293	41.1	55.9	41.1	1.7	1.3	42.2	40.3

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S12_09B (S061041B): Physical Science / Applying Type: CR 1 Point
Label: Steam on window

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	47.0	45.9	47.0	5.8	1.3	50.0	44.3
Bahrain	587	28.3	55.4	28.3	13.9	2.4	31.3	25.1
Belgium (Flemish)	773	51.6	40.8	51.6	5.4	2.3	55.4	47.3
Bulgaria	609	67.0	15.0	67.0	16.2	1.8	71.5	62.4
Canada	1763	42.2	47.8	42.2	5.9	4.1	46.2	38.5
Chile	685	24.1	58.3	24.1	12.0	5.7	27.5	20.5
Chinese Taipei	615	25.1	73.1	25.1	1.6	0.2	24.5	25.8
Croatia	572	73.2	21.4	73.2	5.1	0.3	72.7	73.7
Cyprus	591	49.9	28.8	49.9	15.7	5.6	52.3	47.4
Czech Republic	742	34.5	51.1	34.5	11.9	2.4	34.2	34.8
Denmark	525	61.3	28.5	61.3	4.7	5.6	60.1	62.5
England	566	52.7	38.7	52.7	7.5	1.1	55.8	49.4
Finland	716	70.4	20.2	70.4	7.9	1.5	74.6	66.7
France	694	61.8	24.2	61.8	8.8	5.2	61.4	62.2
Georgia	559	44.8	31.7	44.8	17.6	6.0	54.6	36.6
Germany	567	48.2	35.6	48.2	14.8	1.4	50.3	46.2
Hong Kong SAR	523	60.4	31.3	60.4	8.1	0.2	60.2	60.5
Hungary	723	71.8	17.4	71.8	6.3	4.5	74.5	69.5
Indonesia	575	8.7	75.7	8.7	13.1	2.4	11.3	6.1
Iran, Islamic Rep. of	547	25.3	51.8	25.3	14.1	8.8	25.9	24.8
Ireland	607	53.1	40.9	53.1	4.6	1.3	58.9	47.7
Italy	615	30.8	51.8	30.8	14.6	2.8	32.0	29.9
Japan	625	84.7	11.8	84.7	1.9	1.6	87.8	81.7
Kazakhstan	674	54.1	30.7	54.1	13.2	2.1	61.9	47.4
Korea, Rep. of	656	81.8	17.6	81.8	0.3	0.3	80.5	83.0
Kuwait	518	9.9	38.0	9.9	41.4	10.7	11.6	8.1
Lithuania	650	41.5	47.6	41.5	9.9	0.9	41.6	41.5
Morocco	727	18.3	51.5	18.3	24.6	5.6	20.9	15.8
Netherlands	641	54.3	39.9	54.3	3.4	2.4	55.9	52.6
New Zealand	893	50.6	41.0	50.6	6.5	1.9	56.2	45.1
Northern Ireland	446	58.2	35.0	58.2	4.4	2.4	61.9	53.7
Norway	613	45.3	47.3	45.3	4.6	2.9	50.7	39.7
Oman	1286	25.1	58.7	25.1	13.8	2.3	27.0	23.3
Poland	680	75.1	19.6	75.1	4.4	1.0	79.4	70.8
Portugal	669	56.4	33.0	56.4	8.3	2.4	58.2	54.6
Qatar	732	18.6	61.3	18.6	15.2	4.8	25.8	11.2
Russian Federation	691	39.8	53.1	39.8	6.4	0.8	44.5	34.9
Saudi Arabia	600	24.8	42.3	24.8	19.1	13.9	35.4	14.4
Serbia	575	57.8	22.0	57.8	13.7	6.6	61.7	53.6
Singapore	924	49.0	49.5	49.0	1.4	0.2	53.9	44.5
Slovak Republic	824	42.0	45.6	42.0	9.7	2.7	43.5	40.4
Slovenia	635	59.4	35.6	59.4	3.2	1.8	60.6	58.2
Spain	1106	35.5	48.9	35.5	12.9	2.7	36.6	34.3
Sweden	589	64.9	25.5	64.9	7.5	2.1	73.2	56.8
Turkey	921	44.9	47.6	44.9	6.2	1.3	50.5	38.6
United Arab Emirates	3012	30.3	49.8	30.3	17.0	2.9	31.6	29.1
United States	1432	48.1	46.4	48.1	2.8	2.7	50.4	45.8
International Avg (n=47)	36139	46.9	40.1	46.9	9.9	3.1	49.9	43.8
Buenos Aires, Argentina	415	16.4	35.0	16.4	34.7	13.9	20.4	12.1
Ontario, Canada	651	42.5	47.4	42.5	5.4	4.7	47.3	38.3
Quebec, Canada	398	47.0	46.1	47.0	4.9	2.0	48.9	45.3
Norway (4)	600	33.8	49.7	33.8	8.3	8.3	32.9	34.7
Abu Dhabi, UAE	714	21.0	54.3	21.0	20.6	4.1	21.9	20.3
Dubai, UAE	1052	43.9	45.0	43.9	9.8	1.3	48.0	39.9
Florida, US	293	45.2	50.1	45.2	3.4	1.3	50.4	40.9

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S12_10 (S061155): Physical Science / Applying Type: MC Key: A
Label: Bulb in circuit will not light

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	866	72.9	72.9	10.3	7.3	5.5	2.6	1.4	71.5	74.1
Bahrain	587	67.4	67.4	15.2	7.7	5.7	0.8	3.3	70.4	64.3
Belgium (Flemish)	772	68.7	68.7	8.3	4.4	8.7	7.7	2.3	68.3	69.0
Bulgaria	609	62.0	62.0	12.3	11.4	8.0	4.3	1.9	60.8	63.3
Canada	1761	73.2	73.2	10.0	4.3	5.7	2.5	4.2	72.3	74.1
Chile	685	65.9	65.9	11.6	8.0	6.9	1.4	6.2	62.6	69.3
Chinese Taipei	615	89.8	89.8	8.8	1.3	0.0	0.0	0.2	88.1	91.5
Croatia	287	80.5	80.5	9.1	4.2	2.9	3.3	0.0	82.8	78.1
Cyprus	591	69.7	69.7	11.0	5.9	4.6	2.7	6.1	70.2	69.2
Czech Republic	742	79.8	79.8	4.8	3.2	8.4	0.6	3.1	81.3	78.5
Denmark	526	70.6	70.6	10.4	4.7	6.4	2.2	5.7	69.8	71.5
England	566	89.6	89.6	4.3	1.4	2.3	0.5	2.0	87.7	91.6
Finland	716	79.6	79.6	8.4	4.6	2.9	2.7	1.8	78.0	81.1
France	694	67.8	67.8	12.8	4.0	6.5	2.4	6.5	65.8	69.7
Georgia	559	59.5	59.5	13.6	6.0	10.2	3.2	7.4	59.7	59.4
Germany	567	81.9	81.9	7.6	3.5	4.4	0.9	1.6	82.9	80.9
Hong Kong SAR	523	78.8	78.8	9.4	5.9	3.6	2.0	0.2	75.2	81.7
Hungary	723	74.2	74.2	10.1	4.0	4.9	2.2	4.6	74.4	74.1
Indonesia	576	64.4	64.4	13.6	10.1	8.6	0.9	2.4	66.9	62.0
Iran, Islamic Rep. of	547	65.1	65.1	9.9	6.2	8.3	1.7	8.8	64.7	65.5
Ireland	607	79.4	79.4	7.1	4.7	6.8	0.7	1.3	79.7	79.1
Italy	616	71.1	71.1	14.3	4.9	4.7	2.1	2.9	67.4	75.3
Japan	625	84.4	84.4	5.1	2.5	2.3	3.8	1.8	85.4	83.6
Kazakhstan	674	76.1	76.1	12.6	4.4	4.9	0.0	2.1	74.3	77.6
Korea, Rep. of	656	74.1	74.1	11.6	8.5	5.0	0.5	0.3	72.0	75.9
Kuwait	518	51.3	51.3	16.8	9.3	7.8	4.0	10.7	56.5	45.7
Lithuania	650	76.8	76.8	8.4	3.5	4.6	5.3	1.3	79.1	74.7
Morocco	677	55.4	55.4	20.6	13.3	10.2	0.1	0.2	61.4	49.3
Netherlands	641	75.0	75.0	13.0	4.0	4.1	0.9	3.0	75.6	74.4
New Zealand	893	74.0	74.0	10.4	5.6	6.0	2.0	2.0	71.9	75.9
Northern Ireland	438	81.5	81.5	10.1	3.4	4.8	0.2	0.0	79.0	84.3
Norway	54	66.8	66.8	13.0	2.5	16.2	0.0	1.4	75.6	56.8
Oman	1285	63.4	63.4	13.5	10.8	8.7	1.2	2.5	66.1	60.8
Poland	680	77.1	77.1	9.2	4.8	6.5	1.4	1.1	74.3	79.9
Portugal	669	78.7	78.7	7.6	4.6	5.2	1.4	2.5	80.8	76.7
Qatar	732	61.9	61.9	14.8	10.7	7.1	0.7	4.8	64.5	59.1
Russian Federation	691	81.1	81.1	11.2	3.5	2.4	1.1	0.8	80.3	82.0
Saudi Arabia	399	42.4	42.4	13.1	11.2	7.2	18.0	8.2	46.6	37.7
Serbia	575	78.1	78.1	6.0	2.6	4.6	1.5	7.3	78.9	77.1
Singapore	924	88.9	88.9	4.1	2.6	4.0	0.1	0.2	89.3	88.5
Slovak Republic	824	71.4	71.4	12.6	8.2	2.9	2.0	2.9	67.5	75.5
Slovenia	320	86.1	86.1	7.4	2.6	2.9	0.5	0.5	87.0	85.2
Spain	1106	74.8	74.8	9.9	5.6	5.8	1.0	2.9	77.3	72.0
Sweden	588	78.8	78.8	9.5	2.4	5.3	1.8	2.2	77.1	80.4
Turkey	921	69.8	69.8	14.8	6.1	6.4	0.8	2.1	69.3	70.2
United Arab Emirates	3012	64.0	64.0	15.5	9.0	5.9	2.2	3.4	63.3	64.7
United States	1432	83.4	83.4	4.9	3.7	3.2	1.8	2.9	82.9	83.9
International Avg (n=47)	34719	72.9	72.9	10.6	5.6	5.7	2.1	3.0	73.1	72.7
Buenos Aires, Argentina	415	58.0	58.0	8.8	6.5	8.0	4.4	14.3	55.1	61.2
Ontario, Canada	650	73.9	73.9	10.2	3.7	4.8	2.3	5.0	72.6	75.3
Quebec, Canada	398	73.2	73.2	12.1	3.9	7.2	1.6	2.0	74.8	71.6
Norway (4)	46	63.4	63.4	8.5	7.9	9.5	2.0	8.7	69.7	58.7
Abu Dhabi, UAE	714	59.1	59.1	16.4	11.4	6.5	1.5	5.1	61.1	57.3
Dubai, UAE	1052	78.2	78.2	10.3	5.1	4.0	0.8	1.6	78.2	78.2
Florida, US	293	80.5	80.5	8.9	5.9	2.4	0.3	2.1	81.7	79.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S13_01 (S051054): Life Science / Knowing Type: MC Key: A
Label: New kind of mammal discovered

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	80.7	80.7	3.8	10.2	3.6	1.4	0.3	81.6	79.9
Bahrain	589	47.4	47.4	10.2	26.3	14.1	1.2	0.7	44.2	50.8
Belgium (Flemish)	776	75.7	75.7	7.5	9.8	4.6	1.8	0.5	75.9	75.5
Bulgaria	597	88.8	88.8	3.8	5.0	1.3	0.8	0.2	87.5	90.4
Canada	1743	77.4	77.4	5.5	9.8	4.9	1.2	1.1	75.7	78.9
Chile	684	81.9	81.9	4.5	10.0	1.3	1.5	0.7	82.3	81.6
Chinese Taipei	611	50.2	50.2	7.0	35.4	6.4	1.0	0.0	49.3	51.1
Croatia	575	86.9	86.9	4.8	6.2	0.9	1.0	0.1	84.0	89.6
Cyprus	595	62.7	62.7	9.7	19.9	5.3	1.8	0.5	62.9	62.6
Czech Republic	739	87.4	87.4	3.1	7.3	0.5	1.1	0.5	90.6	84.9
Denmark	525	76.3	76.3	11.4	6.1	3.6	1.9	0.7	75.6	77.0
England	564	77.1	77.1	7.4	11.6	3.1	0.8	0.0	74.8	79.3
Finland	718	89.3	89.3	4.3	3.3	2.1	1.0	0.0	91.7	87.0
France	701	73.3	73.3	2.6	13.5	8.6	1.4	0.5	74.8	72.0
Georgia	568	60.4	60.4	5.8	25.3	5.8	1.9	0.8	59.5	61.2
Germany	571	89.0	89.0	3.6	4.8	1.3	1.0	0.3	91.0	87.2
Hong Kong SAR	531	74.5	74.5	5.6	14.9	3.7	1.3	0.0	72.0	76.4
Hungary	720	84.1	84.1	5.1	7.2	2.1	0.9	0.7	82.3	85.6
Indonesia	579	30.6	30.6	10.7	49.1	8.9	0.3	0.3	28.5	32.6
Iran, Islamic Rep. of	548	41.7	41.7	9.7	25.4	19.4	3.6	0.3	41.3	42.0
Ireland	614	79.0	79.0	6.8	8.8	4.8	0.4	0.1	79.0	79.0
Italy	621	87.6	87.6	3.4	5.8	2.3	0.8	0.1	88.6	86.8
Japan	629	79.0	79.0	4.2	13.9	2.0	0.7	0.3	78.0	80.0
Kazakhstan	671	62.1	62.1	7.9	19.6	10.2	0.2	0.0	64.4	60.0
Korea, Rep. of	661	89.2	89.2	3.9	4.8	1.5	0.7	0.0	87.1	90.9
Kuwait	518	36.2	36.2	16.3	26.2	12.6	7.4	1.4	36.1	36.9
Lithuania	638	85.3	85.3	6.2	6.0	0.9	1.5	0.0	89.8	80.6
Morocco	724	42.8	42.8	19.5	24.1	12.6	0.8	0.2	40.6	45.1
Netherlands	632	83.2	83.2	7.6	4.4	2.9	1.7	0.2	84.1	82.3
New Zealand	902	76.8	76.8	6.4	8.4	7.0	1.3	0.0	79.3	74.3
Northern Ireland	439	74.8	74.8	8.2	10.6	6.5	0.0	0.0	75.4	74.0
Norway	607	85.5	85.5	6.9	4.3	2.8	0.5	0.0	87.3	83.5
Oman	1293	43.4	43.4	14.4	24.6	15.4	1.9	0.4	43.8	43.0
Poland	679	87.1	87.1	6.3	4.1	1.6	0.8	0.1	87.2	87.0
Portugal	674	78.3	78.3	3.2	12.2	4.7	1.6	0.1	78.8	77.8
Qatar	740	53.9	53.9	10.0	18.8	15.0	2.2	0.1	52.5	55.3
Russian Federation	693	88.2	88.2	3.6	5.0	2.7	0.4	0.0	89.3	87.2
Saudi Arabia	595	46.3	46.3	13.8	24.8	12.0	2.5	0.6	44.9	47.8
Serbia	576	85.4	85.4	5.0	5.7	1.4	1.4	1.1	85.8	85.0
Singapore	927	79.0	79.0	5.3	10.7	4.5	0.4	0.0	78.3	79.8
Slovak Republic	835	82.5	82.5	4.2	10.2	2.0	0.6	0.4	84.8	80.3
Slovenia	627	89.5	89.5	2.5	4.6	1.8	1.4	0.1	92.6	86.4
Spain	1105	87.6	87.6	3.0	6.5	1.1	1.2	0.6	87.5	87.6
Sweden	594	86.4	86.4	8.0	1.0	1.6	2.7	0.3	85.8	87.0
Turkey	909	57.9	57.9	7.7	23.4	10.4	0.5	0.2	55.9	59.9
United Arab Emirates	3029	51.5	51.5	10.3	24.0	11.9	2.3	0.1	50.1	52.7
United States	1435	79.3	79.3	4.3	8.4	5.3	2.2	0.5	78.1	80.4
International Avg (n=47)	36170	72.6	72.6	6.9	13.2	5.5	1.4	0.3	72.6	72.7
Buenos Aires, Argentina	431	72.5	72.5	5.3	11.3	1.8	7.2	1.9	72.0	72.9
Ontario, Canada	639	77.6	77.6	4.7	10.8	4.6	0.9	1.4	79.3	76.1
Quebec, Canada	400	81.5	81.5	5.8	9.2	2.4	1.0	0.1	78.7	84.1
Norway (4)	608	81.9	81.9	8.5	5.1	2.5	1.8	0.2	81.6	82.2
Abu Dhabi, UAE	721	43.8	43.8	14.0	24.3	14.8	2.8	0.3	39.3	47.9
Dubai, UAE	1063	68.0	68.0	6.8	18.5	6.0	0.7	0.0	66.6	69.3
Florida, US	299	79.3	79.3	6.7	8.4	4.6	1.1	0.0	79.2	79.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

SL3_02 (S051024): Life Science / Applying Type: CR 1 Point
Label: Cover your mouth though not sick

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	47.4	51.1	47.4	1.2	0.3	58.9	37.9
Bahrain	589	24.7	72.0	24.7	2.7	0.7	27.5	21.7
Belgium (Flemish)	776	35.4	63.0	35.4	0.8	0.8	40.4	30.6
Bulgaria	597	33.5	65.4	33.5	0.9	0.2	36.9	29.4
Canada	1746	49.9	47.4	49.9	1.4	1.3	55.9	44.3
Chile	684	44.0	52.8	44.0	2.0	1.3	52.9	35.5
Chinese Taipei	611	36.9	62.8	36.9	0.3	0.0	39.8	33.9
Croatia	575	32.1	67.1	32.1	0.7	0.1	35.6	28.9
Cyprus	595	46.4	50.0	46.4	2.3	1.3	49.7	43.5
Czech Republic	739	30.7	68.1	30.7	0.7	0.5	34.5	27.7
Denmark	525	50.8	45.9	50.8	2.1	1.1	59.6	41.9
England	564	54.1	45.5	54.1	0.4	0.0	62.3	45.7
Finland	718	48.9	50.8	48.9	0.2	0.1	53.1	44.8
France	701	40.8	57.0	40.8	1.5	0.6	44.8	37.3
Georgia	568	17.4	75.3	17.4	6.4	0.9	18.7	16.2
Germany	571	46.6	52.2	46.6	0.9	0.3	50.9	43.0
Hong Kong SAR	531	37.8	60.9	37.8	0.5	0.8	40.6	35.6
Hungary	720	46.3	52.6	46.3	0.4	0.7	49.8	43.1
Indonesia	579	16.4	81.3	16.4	2.0	0.3	18.3	14.6
Iran, Islamic Rep. of	548	10.0	87.6	10.0	1.8	0.6	12.3	7.9
Ireland	614	53.3	45.7	53.3	0.9	0.1	59.0	47.5
Italy	620	26.2	71.3	26.2	2.4	0.1	28.8	23.6
Japan	629	53.9	45.3	53.9	0.6	0.3	54.1	53.6
Kazakhstan	671	51.7	47.7	51.7	0.6	0.0	53.5	50.1
Korea, Rep. of	661	23.9	75.4	23.9	0.7	0.0	22.6	25.1
Kuwait	518	11.8	82.2	11.8	4.3	1.7	11.5	12.4
Lithuania	638	37.8	61.7	37.8	0.5	0.0	49.4	25.6
Morocco	729	3.6	91.2	3.6	4.5	0.8	3.2	3.9
Netherlands	632	31.2	66.9	31.2	1.8	0.2	36.3	26.0
New Zealand	902	43.5	55.4	43.5	1.1	0.0	47.7	39.1
Northern Ireland	440	54.1	45.3	54.1	0.0	0.6	64.0	42.5
Norway	607	50.5	49.0	50.5	0.4	0.1	57.8	42.7
Oman	1294	18.4	78.3	18.4	2.8	0.5	22.5	14.4
Poland	679	56.9	42.8	56.9	0.1	0.2	64.5	49.2
Portugal	674	35.7	62.8	35.7	1.0	0.4	44.5	27.7
Qatar	740	31.0	66.3	31.0	2.2	0.4	35.2	27.0
Russian Federation	693	43.2	56.5	43.2	0.1	0.2	49.3	37.1
Saudi Arabia	599	16.5	78.0	16.5	4.7	0.8	26.6	5.1
Serbia	576	30.3	67.5	30.3	1.1	1.1	35.3	25.5
Singapore	927	66.2	33.5	66.2	0.1	0.1	66.5	65.9
Slovak Republic	835	26.1	73.0	26.1	0.5	0.4	28.7	23.4
Slovenia	627	52.3	46.3	52.3	1.0	0.3	50.6	54.1
Spain	1105	30.1	68.1	30.1	1.2	0.7	33.2	27.1
Sweden	594	44.8	54.6	44.8	0.3	0.3	54.7	34.3
Turkey	909	31.2	67.9	31.2	0.4	0.5	36.5	25.7
United Arab Emirates	3029	27.7	70.7	27.7	1.4	0.2	31.5	24.1
United States	1435	51.2	46.3	51.2	1.9	0.6	53.0	49.7
International Avg (n=47)	36183	37.3	60.8	37.3	1.4	0.5	41.8	32.9
Buenos Aires, Argentina	431	30.2	62.4	30.2	5.5	1.9	37.0	23.7
Ontario, Canada	640	53.7	43.6	53.7	1.2	1.6	58.4	49.4
Quebec, Canada	400	52.5	45.4	52.5	2.0	0.1	62.6	42.8
Norway (4)	608	40.0	58.5	40.0	0.9	0.6	44.6	36.1
Abu Dhabi, UAE	721	22.3	76.0	22.3	1.5	0.3	24.7	20.2
Dubai, UAE	1063	42.9	56.2	42.9	0.8	0.0	47.4	38.7
Florida, US	299	53.2	45.5	53.2	1.3	0.0	59.5	48.1

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S13_03A (S051132A): Life Science / Reasoning Type: CR 1 Point
Label: Hamad's Garden: Which survive

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	31.5	47.0	31.5	20.9	0.6	37.1	26.9
Bahrain	589	16.9	41.5	16.9	40.7	0.9	20.5	13.2
Belgium (Flemish)	776	13.8	53.0	13.8	32.5	0.8	14.9	12.7
Bulgaria	597	23.6	39.0	23.6	37.2	0.2	26.5	20.2
Canada	1746	19.5	54.6	19.5	24.5	1.5	22.6	16.6
Chile	684	6.5	70.7	6.5	21.1	1.6	8.8	4.4
Chinese Taipei	611	16.6	68.5	16.6	14.9	0.0	16.6	16.6
Croatia	575	25.2	56.7	25.2	17.9	0.1	26.4	24.1
Cyprus	595	9.8	51.1	9.8	37.9	1.3	10.3	9.3
Czech Republic	739	28.7	38.0	28.7	32.8	0.5	28.1	29.2
Denmark	525	40.2	45.3	40.2	13.2	1.3	42.1	38.2
England	564	31.4	41.6	31.4	27.1	0.0	35.6	27.0
Finland	718	24.8	44.4	24.8	30.8	0.1	27.0	22.6
France	701	9.3	50.8	9.3	39.4	0.6	12.0	6.9
Georgia	568	3.7	36.4	3.7	58.8	1.1	4.5	2.9
Germany	571	15.2	52.1	15.2	32.3	0.3	16.7	14.1
Hong Kong SAR	531	31.6	53.7	31.6	14.0	0.8	36.0	28.2
Hungary	720	28.1	43.4	28.1	27.8	0.7	32.4	24.3
Indonesia	579	7.6	46.7	7.6	45.4	0.3	9.9	5.4
Iran, Islamic Rep. of	548	13.2	27.9	13.2	58.3	0.6	17.9	8.7
Ireland	614	25.9	46.2	25.9	27.8	0.1	34.1	17.7
Italy	621	10.3	41.1	10.3	48.3	0.3	10.9	9.8
Japan	629	17.5	64.7	17.5	17.6	0.3	18.5	16.4
Kazakhstan	671	18.4	37.7	18.4	43.8	0.1	22.1	15.0
Korea, Rep. of	661	56.6	37.7	56.6	5.8	0.0	64.7	49.6
Kuwait	518	2.7	23.9	2.7	71.6	1.8	3.0	2.6
Lithuania	638	22.4	49.9	22.4	27.5	0.1	25.3	19.4
Morocco	732	3.5	23.9	3.5	71.2	1.4	2.4	4.8
Netherlands	632	14.5	67.1	14.5	18.2	0.2	15.2	13.9
New Zealand	902	27.4	36.9	27.4	35.8	0.0	33.1	21.4
Northern Ireland	440	29.1	49.6	29.1	20.7	0.6	35.9	21.7
Norway	607	16.0	55.7	16.0	28.2	0.1	20.8	10.9
Oman	1293	5.9	48.4	5.9	45.0	0.6	8.2	3.7
Poland	679	26.6	50.2	26.6	23.0	0.2	30.8	22.3
Portugal	674	29.0	50.1	29.0	20.5	0.4	34.2	24.2
Qatar	740	9.6	45.0	9.6	44.7	0.7	9.9	9.2
Russian Federation	693	29.2	47.5	29.2	22.9	0.3	30.8	27.7
Saudi Arabia	600	4.7	21.7	4.7	72.7	0.9	7.8	1.3
Serbia	576	22.0	48.6	22.0	28.3	1.1	26.0	18.2
Singapore	927	44.3	50.7	44.3	4.9	0.1	47.4	41.4
Slovak Republic	835	17.2	41.0	17.2	41.3	0.5	18.7	15.6
Slovenia	627	22.2	47.7	22.2	29.4	0.7	23.7	20.6
Spain	1105	30.3	51.4	30.3	17.6	0.7	31.6	29.1
Sweden	594	21.7	55.3	21.7	22.7	0.3	26.4	16.6
Turkey	909	15.9	46.7	15.9	36.9	0.5	16.9	14.8
United Arab Emirates	3029	12.2	40.3	12.2	47.2	0.2	13.1	11.4
United States	1435	33.9	51.8	33.9	13.5	0.8	34.6	33.3
International Avg (n=47)	36187	20.6	46.7	20.6	32.2	0.6	23.2	18.0
Buenos Aires, Argentina	431	7.6	48.4	7.6	41.6	2.4	10.3	5.1
Ontario, Canada	640	26.3	54.8	26.3	17.2	1.7	31.7	21.7
Quebec, Canada	400	10.7	54.1	10.7	35.0	0.1	12.1	9.4
Norway (4)	608	5.1	46.2	5.1	48.0	0.6	5.4	4.8
Abu Dhabi, UAE	721	9.6	37.8	9.6	52.4	0.3	9.5	9.7
Dubai, UAE	1063	20.6	49.7	20.6	29.7	0.0	22.2	19.2
Florida, US	299	33.0	51.8	33.0	14.7	0.4	39.7	27.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S13_03B (S051132B): Life Science / Applying Type: CR 1 Point
Label: Hamad's Garden: Plant structure

COUNTRY	N	10 %	11 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	6.0	16.0	75.6	22.1	1.1	1.3	23.8	20.7
Bahrain	589	14.3	13.7	68.3	28.0	2.7	1.0	31.9	24.0
Belgium (Flemish)	776	5.8	7.9	84.1	13.6	1.3	0.9	14.3	13.0
Bulgaria	597	22.3	12.6	62.5	34.9	2.3	0.2	35.6	34.2
Canada	1746	9.2	12.9	72.9	22.1	2.7	2.3	20.9	23.3
Chile	684	13.8	25.6	55.4	39.4	2.5	2.6	43.3	35.8
Chinese Taipei	611	11.5	38.2	50.0	49.6	0.4	0.0	46.3	53.1
Croatia	575	7.8	15.9	75.2	23.7	0.8	0.3	24.6	22.8
Cyprus	595	8.1	18.9	69.4	26.9	1.4	2.3	27.1	26.7
Czech Republic	739	20.6	9.4	67.2	30.0	2.1	0.7	24.5	34.5
Denmark	525	15.3	18.1	61.7	33.4	2.4	2.5	38.4	28.3
England	564	19.5	9.4	69.4	28.9	1.4	0.2	29.2	28.7
Finland	718	11.1	17.5	70.8	28.6	0.3	0.3	28.5	28.6
France	701	4.1	11.4	81.1	15.5	2.3	1.1	10.9	19.5
Georgia	568	17.5	4.8	70.3	22.3	5.4	2.1	20.5	23.8
Germany	571	14.6	19.8	63.7	34.4	1.0	0.9	32.7	35.6
Hong Kong SAR	531	12.2	16.3	70.6	28.5	0.1	0.8	25.6	30.7
Hungary	720	8.0	24.0	65.7	32.0	0.5	1.8	27.9	35.7
Indonesia	579	9.2	0.2	84.3	9.4	5.8	0.5	9.5	9.2
Iran, Islamic Rep. of	548	2.5	9.7	83.3	12.2	3.6	1.0	13.5	10.9
Ireland	614	10.7	9.7	77.9	20.4	1.2	0.5	18.5	22.3
Italy	619	13.7	14.2	67.1	28.0	4.2	0.7	25.6	30.4
Japan	629	10.2	26.2	61.8	36.4	1.3	0.6	34.0	39.0
Kazakhstan	671	61.1	0.0	37.3	61.1	1.3	0.3	63.6	58.8
Korea, Rep. of	661	51.5	20.5	27.1	72.0	0.9	0.0	70.5	73.3
Kuwait	518	2.5	2.8	79.9	5.2	12.5	2.3	6.3	4.2
Lithuania	638	12.0	13.3	74.0	25.3	0.5	0.2	29.2	21.3
Morocco	733	3.9	31.7	58.4	35.6	4.1	1.9	38.9	32.0
Netherlands	632	6.2	12.8	78.7	19.0	1.1	1.2	18.7	19.4
New Zealand	902	8.3	10.3	79.8	18.6	1.5	0.0	17.5	19.8
Northern Ireland	440	7.3	8.8	82.9	16.1	0.4	0.6	15.3	17.2
Norway	607	10.2	15.5	72.2	25.7	1.2	0.9	25.8	25.7
Oman	1294	12.1	14.0	70.2	26.0	2.9	0.9	30.6	21.7
Poland	679	16.9	9.1	72.0	26.1	1.7	0.3	24.7	27.5
Portugal	674	10.6	13.5	73.7	24.1	1.2	1.0	21.8	26.2
Qatar	740	12.9	8.3	74.2	21.1	3.5	1.2	22.9	19.5
Russian Federation	693	19.3	29.7	50.1	49.0	0.4	0.5	48.6	49.4
Saudi Arabia	600	9.1	4.9	81.3	14.0	3.4	1.3	19.9	7.5
Serbia	576	28.9	2.1	64.4	31.0	2.5	2.2	34.2	27.9
Singapore	927	21.4	15.5	62.4	36.9	0.4	0.3	34.7	38.9
Slovak Republic	835	14.6	9.0	73.2	23.6	2.4	0.9	23.6	23.5
Slovenia	627	35.9	13.9	47.5	49.7	1.9	0.8	52.4	47.1
Spain	1105	21.3	14.3	62.1	35.7	1.4	0.8	33.3	37.9
Sweden	594	5.9	12.5	78.3	18.4	2.8	0.5	15.0	22.3
Turkey	909	7.3	10.9	80.4	18.2	0.8	0.6	17.3	19.2
United Arab Emirates	3029	13.5	12.4	71.2	25.9	2.6	0.4	26.3	25.5
United States	1435	16.5	25.2	55.7	41.6	1.4	1.3	41.2	42.1
International Avg (n=47)	36187	14.4	14.1	68.4	28.5	2.1	1.0	28.5	28.5
Buenos Aires, Argentina	431	5.0	12.2	70.0	17.1	9.8	3.1	21.3	13.1
Ontario, Canada	640	11.9	14.8	68.0	26.7	2.7	2.6	27.0	26.6
Quebec, Canada	400	6.4	10.2	80.6	16.6	2.3	0.6	13.3	19.8
Norway (4)	607	8.0	15.3	73.3	23.3	2.2	1.2	19.4	26.6
Abu Dhabi, UAE	721	9.8	11.0	76.9	20.7	2.1	0.3	20.1	21.3
Dubai, UAE	1063	20.8	15.2	62.1	36.0	1.7	0.2	36.9	35.1
Florida, US	299	14.7	28.2	54.9	42.9	1.7	0.4	45.1	41.1

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S13_04 (S051040): Life Science / Knowing Type: CR 1 Point
Label: Two things animals need

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	34.8	41.7	19.8	34.8	2.3	1.4	35.8	33.9
Bahrain	589	44.0	24.5	25.4	44.0	4.9	1.1	48.5	39.5
Belgium (Flemish)	776	27.7	58.2	11.9	27.7	1.3	0.9	25.1	30.1
Bulgaria	597	64.6	22.5	4.0	64.6	8.7	0.2	65.0	64.1
Canada	1746	38.5	39.1	16.9	38.5	2.8	2.7	40.5	36.8
Chile	684	36.9	41.5	12.1	36.9	6.8	2.7	37.3	36.4
Chinese Taipei	611	36.8	45.6	14.3	36.8	3.3	0.0	36.1	37.6
Croatia	575	55.8	32.8	10.2	55.8	1.0	0.3	54.6	56.8
Cyprus	595	13.7	31.7	45.9	13.7	6.3	2.4	10.6	16.4
Czech Republic	739	44.9	34.5	16.1	44.9	3.6	0.9	45.6	44.4
Denmark	525	36.1	43.2	15.9	36.1	2.2	2.6	33.7	38.6
England	564	33.1	48.8	16.3	33.1	1.2	0.6	32.7	33.6
Finland	718	35.1	52.1	9.8	35.1	2.5	0.5	35.9	34.4
France	701	23.0	54.4	17.8	23.0	3.7	1.1	19.0	26.4
Georgia	568	55.1	24.3	11.5	55.1	6.9	2.2	62.2	48.7
Germany	571	28.9	49.2	16.8	28.9	4.2	0.9	29.7	28.0
Hong Kong SAR	531	45.3	42.2	10.7	45.3	1.1	0.8	46.7	44.2
Hungary	720	39.6	44.4	11.0	39.6	3.2	1.8	40.5	38.9
Indonesia	579	27.3	25.5	37.0	27.3	9.8	0.5	33.7	21.1
Iran, Islamic Rep. of	548	26.2	15.0	46.7	26.2	11.1	1.0	25.3	27.0
Ireland	614	36.6	44.9	15.8	36.6	2.1	0.5	35.3	37.9
Italy	621	34.8	44.3	16.2	34.8	3.7	1.0	37.0	32.7
Japan	629	34.0	57.1	7.4	34.0	0.9	0.6	38.2	29.6
Kazakhstan	671	75.3	18.5	3.8	75.3	2.2	0.3	80.2	70.8
Korea, Rep. of	661	52.6	39.7	7.5	52.6	0.2	0.0	54.6	50.9
Kuwait	518	34.8	16.0	22.2	34.8	24.6	2.3	38.6	31.4
Lithuania	638	36.3	49.6	12.4	36.3	1.4	0.3	40.1	32.5
Morocco	731	18.0	12.6	51.8	18.0	15.7	1.9	16.7	19.4
Netherlands	632	31.9	54.4	11.1	31.9	1.3	1.3	32.3	31.5
New Zealand	902	35.0	39.6	21.0	35.0	4.3	0.1	34.7	35.2
Northern Ireland	440	35.5	49.8	11.6	35.5	2.6	0.6	34.4	36.3
Norway	607	36.1	47.5	13.1	36.1	2.5	0.9	34.2	38.1
Oman	1294	35.6	25.5	28.3	35.6	9.7	0.9	39.1	32.3
Poland	679	40.5	39.9	17.8	40.5	1.5	0.3	42.7	38.3
Portugal	674	32.3	57.4	6.5	32.3	2.6	1.2	31.1	33.3
Qatar	740	35.6	22.3	30.8	35.6	10.0	1.3	39.3	32.1
Russian Federation	693	49.0	43.4	4.4	49.0	2.7	0.5	53.7	44.4
Saudi Arabia	600	41.6	20.9	19.1	41.6	17.2	1.3	51.4	30.7
Serbia	576	63.0	22.1	8.2	63.0	4.3	2.4	67.2	59.0
Singapore	927	81.6	13.1	4.6	81.6	0.5	0.3	82.8	80.5
Slovak Republic	835	40.4	31.7	23.0	40.4	3.9	1.0	42.0	38.7
Slovenia	627	61.7	30.1	5.5	61.7	1.9	0.8	64.3	59.1
Spain	1105	38.3	46.9	10.6	38.3	3.3	0.8	38.1	38.5
Sweden	594	44.1	51.7	1.6	44.1	2.1	0.5	43.0	45.4
Turkey	909	49.9	31.9	14.1	49.9	3.4	0.7	49.7	50.2
United Arab Emirates	3029	33.9	25.4	30.0	33.9	10.3	0.4	35.5	32.4
United States	1435	46.3	29.9	19.9	46.3	2.5	1.5	44.7	47.7
International Avg (n=47)	36187	40.5	37.0	16.8	40.5	4.8	1.0	41.7	39.3
Buenos Aires, Argentina	431	24.0	35.2	24.4	24.0	13.3	3.1	26.7	21.4
Ontario, Canada	640	44.4	35.8	14.6	44.4	2.1	3.0	46.0	43.2
Quebec, Canada	400	23.5	52.1	20.3	23.5	3.6	0.6	27.1	19.9
Norway (4)	608	32.6	50.7	11.7	32.6	3.9	1.2	32.9	32.3
Abu Dhabi, UAE	721	26.8	27.2	35.2	26.8	10.5	0.3	27.2	26.5
Dubai, UAE	1063	44.0	24.6	24.6	44.0	6.6	0.2	45.4	42.6
Florida, US	299	40.2	32.4	24.9	40.2	2.0	0.4	42.0	38.7

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S13_05 (S051193): Life Science / Applying Type: MC Key: B
Label: Celery stalk leaves turn red

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	82.2	5.5	82.2	5.1	4.2	1.4	1.6	84.3	80.4
Bahrain	589	51.7	14.8	51.7	11.8	16.5	3.4	1.8	55.2	48.1
Belgium (Flemish)	776	61.7	20.4	61.7	5.9	9.2	1.7	1.2	63.3	60.1
Bulgaria	597	70.7	12.0	70.7	4.6	10.2	2.1	0.5	70.6	70.8
Canada	1744	75.2	10.3	75.2	3.9	4.7	2.4	3.5	76.0	74.6
Chile	684	65.8	13.1	65.8	4.2	11.3	1.5	4.0	66.6	65.1
Chinese Taipei	611	80.7	8.7	80.7	1.3	8.1	1.1	0.0	79.1	82.4
Croatia	575	83.8	5.7	83.8	3.6	4.0	2.6	0.3	85.2	82.5
Cyprus	595	51.8	13.9	51.8	10.8	16.4	2.9	4.2	51.7	51.9
Czech Republic	739	69.0	16.6	69.0	6.3	4.7	2.0	1.5	66.5	71.0
Denmark	525	73.4	9.4	73.4	3.3	8.2	1.9	3.8	73.9	72.9
England	564	80.3	8.4	80.3	4.3	5.1	0.7	1.2	81.2	79.3
Finland	718	66.6	17.1	66.6	6.3	5.7	3.0	1.2	66.5	66.7
France	701	57.4	16.1	57.4	8.4	11.7	4.0	2.4	56.6	58.1
Georgia	568	39.5	18.8	39.5	10.0	23.6	4.5	3.7	38.9	40.1
Germany	571	76.5	10.0	76.5	4.6	4.0	3.5	1.4	76.0	76.9
Hong Kong SAR	531	77.0	11.2	77.0	3.7	7.1	0.3	0.8	78.9	75.5
Hungary	720	69.9	17.8	69.9	3.4	5.3	1.3	2.3	67.8	71.8
Indonesia	579	47.4	15.5	47.4	10.5	24.4	1.4	0.8	46.5	48.3
Iran, Islamic Rep. of	548	63.2	14.9	63.2	6.4	11.2	2.8	1.5	63.7	62.7
Ireland	614	79.5	8.7	79.5	3.5	5.8	0.5	1.9	79.8	79.2
Italy	621	71.5	16.8	71.5	2.7	4.4	3.6	1.1	73.1	70.0
Japan	629	64.8	18.4	64.8	3.3	9.2	3.6	0.7	64.2	65.5
Kazakhstan	671	54.2	19.2	54.2	8.3	16.3	1.4	0.4	55.2	53.3
Korea, Rep. of	661	54.6	34.8	54.6	2.5	7.9	0.2	0.0	54.1	55.1
Kuwait	518	42.7	20.2	42.7	10.8	14.0	9.5	2.8	45.6	39.7
Lithuania	638	60.1	17.7	60.1	13.0	6.5	2.2	0.5	60.2	60.0
Morocco	700	48.3	18.5	48.3	12.8	18.9	1.5	0.2	46.0	50.7
Netherlands	631	69.4	18.2	69.4	4.9	4.4	1.3	1.7	69.9	68.9
New Zealand	902	75.7	9.5	75.7	5.6	6.1	2.2	0.8	76.8	74.6
Northern Ireland	432	79.2	7.7	79.2	4.2	8.9	0.0	0.0	78.0	81.1
Norway	607	77.1	6.7	77.1	2.9	9.3	2.3	1.6	79.8	74.2
Oman	1292	57.3	14.8	57.3	11.8	11.7	3.2	1.1	60.6	54.2
Poland	679	81.6	9.6	81.6	3.1	3.1	2.1	0.5	83.0	80.2
Portugal	674	59.1	14.1	59.1	6.8	14.3	3.7	2.0	58.6	59.5
Qatar	740	58.2	16.0	58.2	11.1	10.3	2.2	2.1	61.5	55.1
Russian Federation	693	66.9	20.6	66.9	4.6	5.4	1.7	0.8	69.2	64.6
Saudi Arabia	598	47.4	16.0	47.4	13.5	17.2	4.1	1.7	50.5	44.1
Serbia	576	72.3	8.6	72.3	5.1	7.4	2.9	3.7	75.4	69.3
Singapore	927	93.9	2.3	93.9	2.0	1.2	0.3	0.3	95.7	92.2
Slovak Republic	835	65.0	10.3	65.0	8.0	12.8	2.4	1.5	63.7	66.4
Slovenia	627	68.8	13.4	68.8	8.6	6.0	2.2	0.9	69.8	67.7
Spain	1105	67.8	16.9	67.8	5.3	5.9	2.6	1.6	64.9	70.5
Sweden	594	66.5	19.3	66.5	1.0	8.5	3.0	1.7	63.9	69.4
Turkey	909	53.0	19.2	53.0	8.7	17.0	1.1	0.9	50.3	55.9
United Arab Emirates	3029	59.4	15.3	59.4	10.0	11.2	3.4	0.7	61.5	57.5
United States	1435	80.0	7.6	80.0	4.4	3.3	2.6	2.1	78.8	81.0
International Avg (n=47)	36141	66.3	14.1	66.3	6.3	9.4	2.3	1.5	66.8	65.9
Buenos Aires, Argentina	431	42.6	18.5	42.6	3.9	17.5	12.4	5.2	47.3	38.0
Ontario, Canada	639	80.5	8.1	80.5	3.8	3.0	1.2	3.4	80.5	80.7
Quebec, Canada	400	69.5	12.6	69.5	3.6	9.4	2.3	2.7	72.6	66.5
Norway (4)	608	68.5	11.1	68.5	5.8	8.1	3.8	2.7	63.0	73.3
Abu Dhabi, UAE	721	53.3	16.9	53.3	12.8	11.7	4.8	0.5	54.8	51.8
Dubai, UAE	1063	76.1	9.3	76.1	6.7	5.5	2.0	0.4	76.3	76.0
Florida, US	299	81.2	9.8	81.2	4.1	2.5	1.6	0.7	85.8	77.4

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent.

S13_06 (S051063): Physical Science / Applying Type: MC Key: B
Label: Wooden and metal cubes on balance

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	36.2	4.3	36.2	16.5	37.9	3.2	1.9	36.3	36.2
Bahrain	589	31.9	11.2	31.9	17.0	28.8	9.3	1.8	35.6	28.2
Belgium (Flemish)	776	36.5	2.7	36.5	9.9	42.9	6.9	1.2	37.7	35.3
Bulgaria	597	58.8	10.3	58.8	7.2	19.4	3.8	0.5	62.0	54.9
Canada	1688	38.4	5.0	38.4	15.4	33.5	3.4	4.2	37.9	38.9
Chile	684	42.3	5.4	42.3	13.6	31.4	3.2	4.1	43.8	40.9
Chinese Taipei	611	74.3	6.4	74.3	4.3	12.0	2.7	0.3	77.9	70.4
Croatia	575	38.4	7.0	38.4	10.5	34.8	8.2	1.1	38.5	38.3
Cyprus	595	34.2	9.1	34.2	16.1	27.9	7.4	5.3	32.5	35.7
Czech Republic	739	52.2	6.6	52.2	12.2	21.7	5.7	1.7	51.0	53.1
Denmark	525	54.2	8.6	54.2	6.6	17.9	8.3	4.5	55.7	52.6
England	564	33.5	8.1	33.5	22.3	29.7	5.1	1.3	38.1	28.7
Finland	718	54.2	12.8	54.2	6.0	15.8	9.9	1.3	54.8	53.7
France	701	44.9	5.0	44.9	13.6	23.3	8.6	4.6	41.6	47.8
Georgia	568	35.7	11.4	35.7	14.4	27.3	6.3	5.0	33.3	37.8
Germany	571	23.4	6.9	23.4	28.1	28.5	11.2	1.8	17.2	28.8
Hong Kong SAR	531	67.6	1.8	67.6	7.1	20.8	1.9	0.8	64.7	69.8
Hungary	720	62.2	3.3	62.2	4.1	21.7	6.4	2.3	64.0	60.5
Indonesia	579	23.5	14.4	23.5	24.4	35.2	1.3	1.2	22.3	24.6
Iran, Islamic Rep. of	548	28.4	10.8	28.4	21.6	31.7	5.2	2.3	32.2	24.8
Ireland	614	24.8	9.8	24.8	18.1	41.4	3.9	1.9	23.1	26.5
Italy	621	40.4	10.5	40.4	13.5	25.3	8.4	1.9	41.2	39.8
Japan	629	69.0	1.4	69.0	2.6	21.7	3.4	1.8	68.5	69.6
Kazakhstan	671	61.6	8.5	61.6	8.3	20.0	1.1	0.4	63.1	60.2
Korea, Rep. of	661	80.3	0.8	80.3	7.3	11.3	0.1	0.2	79.9	80.7
Kuwait	518	17.5	13.8	17.5	26.2	20.8	18.9	2.8	18.6	16.6
Lithuania	638	40.2	4.5	40.2	9.8	40.1	4.8	0.6	40.4	40.1
Morocco	696	36.5	13.8	36.5	17.0	27.7	4.9	0.2	36.4	36.5
Netherlands	631	21.4	5.8	21.4	20.6	45.3	5.1	1.8	20.1	22.8
New Zealand	902	27.6	5.2	27.6	20.7	37.8	7.6	1.1	26.1	29.1
Northern Ireland	426	43.6	13.1	43.6	11.5	29.3	2.6	0.0	42.6	44.3
Norway	607	32.1	5.6	32.1	20.6	30.8	9.0	1.9	30.4	33.8
Oman	1288	35.0	13.4	35.0	17.9	26.3	6.2	1.2	39.5	30.7
Poland	680	62.4	3.7	62.4	5.9	23.7	3.1	1.3	63.1	61.7
Portugal	674	50.1	3.3	50.1	14.0	21.1	7.9	3.5	51.1	49.3
Qatar	740	31.9	11.7	31.9	18.7	27.5	8.0	2.2	36.6	27.5
Russian Federation	693	72.9	4.4	72.9	3.8	15.0	3.0	0.8	77.2	68.7
Saudi Arabia	433	26.8	15.4	26.8	19.9	17.5	17.3	3.2	28.3	25.1
Serbia	576	41.7	4.5	41.7	10.9	29.4	8.7	4.8	46.3	37.2
Singapore	927	68.3	1.8	68.3	5.8	23.5	0.2	0.3	66.3	70.3
Slovak Republic	835	48.1	4.4	48.1	11.4	30.7	3.9	1.5	46.6	49.6
Slovenia	627	42.7	7.3	42.7	12.0	30.6	6.2	1.2	42.1	43.4
Spain	1105	44.3	9.3	44.3	13.8	24.7	6.3	1.6	48.9	39.9
Sweden	594	30.9	8.8	30.9	22.2	22.8	13.2	2.1	32.1	29.3
Turkey	909	39.0	5.8	39.0	11.1	41.7	1.2	1.2	39.9	38.1
United Arab Emirates	3029	37.1	9.6	37.1	16.8	29.9	5.7	0.9	35.6	38.4
United States	1435	43.3	3.8	43.3	16.0	30.7	3.6	2.5	42.3	44.2
International Avg (n=47)	35907	43.4	7.5	43.4	13.8	27.4	6.0	1.9	43.9	42.9
Buenos Aires, Argentina	431	15.9	7.5	15.9	13.5	24.9	32.6	5.5	13.5	18.2
Ontario, Canada	626	37.4	4.3	37.4	13.4	38.2	3.1	3.6	37.7	37.2
Quebec, Canada	376	45.6	7.0	45.6	14.2	27.0	2.5	3.6	45.3	45.8
Norway (4)	608	23.2	7.8	23.2	22.8	33.5	9.0	3.8	21.7	24.4
Abu Dhabi, UAE	721	33.1	10.2	33.1	20.2	27.8	7.8	0.9	32.3	33.7
Dubai, UAE	1063	43.9	7.2	43.9	15.3	29.5	3.8	0.4	43.3	44.5
Florida, US	299	38.6	3.0	38.6	19.7	36.0	1.4	1.4	37.9	39.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S13_07 (S051012): Physical Science / Applying Type: MC Key: C
Label: Two metal bars

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	57.8	17.7	10.3	57.8	8.8	3.5	1.9	57.8	57.9
Bahrain	589	52.7	14.6	16.2	52.7	12.4	2.0	2.1	53.6	51.8
Belgium (Flemish)	776	50.7	20.7	11.7	50.7	11.5	3.8	1.6	52.7	48.8
Bulgaria	597	51.8	17.2	11.6	51.8	15.2	3.8	0.5	49.0	55.1
Canada	1743	59.1	13.2	10.2	59.1	9.6	2.8	5.0	56.2	61.9
Chile	684	41.8	15.0	16.1	41.8	18.4	3.6	5.0	44.7	39.1
Chinese Taipei	611	81.1	7.0	6.5	81.1	4.4	0.8	0.3	82.1	80.0
Croatia	575	66.7	11.2	9.9	66.7	10.0	1.1	1.1	63.5	69.6
Cyprus	595	45.9	18.8	13.0	45.9	11.9	4.5	5.9	45.8	45.9
Czech Republic	739	61.2	14.4	10.8	61.2	8.9	2.2	2.5	56.1	65.3
Denmark	525	58.5	19.9	9.3	58.5	4.4	3.1	4.8	55.9	61.2
England	564	57.9	20.3	10.4	57.9	8.4	1.5	1.5	53.7	62.2
Finland	718	68.5	14.1	10.0	68.5	4.5	1.7	1.3	64.4	72.5
France	701	39.0	23.1	14.4	39.0	14.2	3.6	5.7	37.6	40.2
Georgia	568	40.2	14.1	10.9	40.2	24.6	4.7	5.5	37.4	42.7
Germany	571	66.3	13.2	8.2	66.3	7.2	2.9	2.2	67.3	65.3
Hong Kong SAR	531	68.1	14.0	9.3	68.1	7.3	0.5	0.8	63.3	71.9
Hungary	720	67.6	10.9	6.7	67.6	10.5	1.6	2.7	63.6	71.1
Indonesia	579	30.7	22.1	20.7	30.7	24.0	1.4	1.2	28.7	32.7
Iran, Islamic Rep. of	548	52.4	9.7	12.0	52.4	19.2	4.2	2.5	53.3	51.5
Ireland	614	58.3	17.7	12.1	58.3	8.9	0.8	2.2	58.5	58.2
Italy	621	50.1	17.4	12.2	50.1	15.2	3.1	2.1	45.3	54.9
Japan	629	84.2	6.0	4.6	84.2	3.0	0.3	1.8	82.0	86.6
Kazakhstan	671	56.5	14.1	15.8	56.5	12.5	0.4	0.7	57.8	55.4
Korea, Rep. of	661	90.6	5.2	2.7	90.6	1.1	0.2	0.2	91.5	89.9
Kuwait	518	37.6	14.8	20.5	37.6	9.2	15.0	3.0	43.1	32.3
Lithuania	638	57.6	20.6	12.8	57.6	7.4	1.1	0.6	57.5	57.6
Morocco	685	38.3	17.5	26.4	38.3	14.3	3.4	0.2	42.8	33.6
Netherlands	632	47.1	26.8	13.5	47.1	8.5	1.9	2.2	45.8	48.4
New Zealand	902	53.2	19.4	12.2	53.2	10.4	3.4	1.4	50.5	56.1
Northern Ireland	427	51.5	21.3	9.6	51.5	17.2	0.4	0.0	46.9	56.4
Norway	607	69.5	12.6	7.6	69.5	4.6	3.5	2.2	67.8	71.2
Oman	1290	46.5	14.6	20.5	46.5	14.0	3.1	1.4	49.2	44.0
Poland	680	60.1	17.0	10.2	60.1	9.8	1.3	1.7	58.1	62.1
Portugal	674	48.8	16.0	10.9	48.8	16.9	2.9	4.4	46.1	51.3
Qatar	740	42.5	17.6	20.0	42.5	13.4	4.0	2.5	43.5	41.6
Russian Federation	693	72.9	8.2	8.3	72.9	7.9	1.6	1.1	68.3	77.4
Saudi Arabia	596	36.0	21.2	22.3	36.0	14.1	4.2	2.3	45.2	25.5
Serbia	576	56.5	12.8	10.2	56.5	12.2	2.8	5.5	52.9	59.8
Singapore	927	86.5	5.3	5.4	86.5	2.2	0.4	0.3	85.3	87.6
Slovak Republic	835	61.9	10.2	10.1	61.9	13.1	2.8	1.9	64.1	59.7
Slovenia	627	71.7	12.4	5.4	71.7	6.9	1.9	1.6	67.8	75.5
Spain	1105	55.6	16.2	11.5	55.6	11.6	3.3	1.8	52.8	58.3
Sweden	594	66.2	12.6	9.7	66.2	3.8	3.9	3.8	62.4	70.5
Turkey	909	51.4	16.9	12.9	51.4	16.3	1.0	1.4	45.2	57.8
United Arab Emirates	3027	49.7	16.8	17.2	49.7	11.2	4.1	1.1	49.4	49.9
United States	1435	64.4	11.6	8.7	64.4	9.5	2.8	3.0	63.7	65.1
International Avg (n=47)	36116	57.1	15.2	12.0	57.1	10.9	2.7	2.2	56.0	58.2
Buenos Aires, Argentina	431	33.0	16.4	8.3	33.0	17.8	16.7	7.8	33.3	32.6
Ontario, Canada	639	61.7	13.5	8.1	61.7	9.6	2.4	4.8	59.4	63.8
Quebec, Canada	400	53.1	16.6	13.6	53.1	9.8	3.3	3.5	50.6	55.5
Norway (4)	608	49.0	19.4	10.3	49.0	10.1	5.9	5.3	41.0	55.8
Abu Dhabi, UAE	720	43.1	17.9	19.3	43.1	12.7	5.8	1.1	43.9	42.5
Dubai, UAE	1062	60.0	14.4	13.8	60.0	8.4	3.0	0.4	59.5	60.6
Florida, US	299	64.6	14.1	8.4	64.6	8.8	2.7	1.4	67.8	62.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S13_08 (S051115): Physical Science / Applying Type: CR 1 Point
Label: Drops of wax on a metal frame

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	52.9	42.9	52.9	1.8	2.4	54.7	51.4
Bahrain	589	39.7	53.1	39.7	5.2	2.1	49.7	29.6
Belgium (Flemish)	776	57.9	36.9	57.9	3.2	2.0	60.9	55.0
Bulgaria	597	44.4	49.4	44.4	5.7	0.5	46.4	42.0
Canada	1746	52.2	38.8	52.2	3.4	5.6	53.1	51.5
Chile	684	39.6	46.8	39.6	8.3	5.2	42.1	37.3
Chinese Taipei	611	67.6	31.6	67.6	0.5	0.3	67.6	67.5
Croatia	575	52.5	40.7	52.5	5.1	1.6	50.0	54.9
Cyprus	595	42.8	43.2	42.8	7.4	6.6	38.9	46.4
Czech Republic	739	61.1	32.6	61.1	3.7	2.6	60.0	62.0
Denmark	525	47.8	44.7	47.8	2.6	4.9	49.3	46.2
England	563	55.8	40.0	55.8	2.7	1.5	57.9	53.6
Finland	718	59.6	34.0	59.6	4.9	1.5	62.1	57.3
France	701	42.5	46.7	42.5	4.5	6.3	42.6	42.4
Georgia	568	30.0	51.2	30.0	13.3	5.5	32.4	27.9
Germany	571	56.3	36.1	56.3	5.2	2.4	57.7	54.9
Hong Kong SAR	531	74.4	24.2	74.4	0.6	0.8	75.4	73.7
Hungary	720	55.5	38.8	55.5	2.8	2.8	56.2	54.9
Indonesia	579	12.9	82.9	12.9	2.9	1.2	12.3	13.6
Iran, Islamic Rep. of	548	24.3	67.3	24.3	5.6	2.8	27.3	21.5
Ireland	614	52.0	44.0	52.0	1.9	2.2	53.6	50.2
Italy	620	54.2	38.6	54.2	5.0	2.2	54.9	53.6
Japan	629	61.7	36.3	61.7	0.2	1.8	61.9	61.5
Kazakhstan	671	57.0	40.6	57.0	1.7	0.7	60.0	54.2
Korea, Rep. of	661	76.2	23.1	76.2	0.5	0.2	78.1	74.5
Kuwait	518	12.4	73.1	12.4	11.2	3.2	13.1	12.0
Lithuania	638	58.7	37.9	58.7	2.8	0.6	64.5	52.6
Morocco	728	14.3	77.6	14.3	4.7	3.4	15.2	13.2
Netherlands	632	56.5	39.0	56.5	1.6	2.9	62.6	50.3
New Zealand	902	47.7	47.0	47.7	3.8	1.5	48.2	47.1
Northern Ireland	440	46.2	50.3	46.2	2.7	0.8	48.1	43.7
Norway	607	53.2	39.3	53.2	3.9	3.6	54.2	52.2
Oman	1294	27.7	66.3	27.7	4.5	1.4	32.2	23.5
Poland	680	68.1	28.3	68.1	1.8	1.8	67.6	68.6
Portugal	674	52.6	38.3	52.6	4.2	4.9	52.0	53.2
Qatar	740	28.7	64.5	28.7	3.3	3.5	33.1	24.5
Russian Federation	693	63.7	31.8	63.7	3.3	1.2	67.6	59.9
Saudi Arabia	600	15.5	77.5	15.5	4.5	2.6	23.3	6.7
Serbia	576	53.7	35.4	53.7	4.4	6.4	56.0	51.6
Singapore	927	80.8	18.8	80.8	0.1	0.3	80.5	81.0
Slovak Republic	835	56.5	38.1	56.5	3.3	2.2	59.0	53.9
Slovenia	627	55.4	40.0	55.4	2.9	1.7	52.2	58.5
Spain	1105	60.0	35.0	60.0	3.1	1.9	58.4	61.4
Sweden	594	57.1	34.3	57.1	4.5	4.1	56.5	57.9
Turkey	909	33.8	63.2	33.8	1.3	1.7	32.2	35.5
United Arab Emirates	3029	32.2	63.2	32.2	3.3	1.3	33.7	30.8
United States	1435	57.0	38.0	57.0	1.7	3.2	55.4	58.4
International Avg (n=47)	36183	49.0	44.7	49.0	3.7	2.5	50.4	47.5
Buenos Aires, Argentina	431	23.1	48.0	23.1	20.2	8.7	22.9	23.3
Ontario, Canada	640	55.4	36.9	55.4	2.0	5.6	54.7	56.2
Quebec, Canada	400	55.5	35.6	55.5	5.3	3.7	59.6	51.6
Norway (4)	608	39.9	48.3	39.9	5.6	6.2	38.1	41.4
Abu Dhabi, UAE	721	26.1	69.2	26.1	3.4	1.3	27.9	24.4
Dubai, UAE	1063	47.4	49.7	47.4	2.4	0.5	47.4	47.3
Florida, US	299	54.1	43.0	54.1	0.8	2.1	59.6	49.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S13_09 (S051180): Physical Science / Reasoning Type: MC Key: C
Label: Object inside a wooden box

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	62.5	17.6	3.8	62.5	11.0	2.6	2.6	59.6	64.9
Bahrain	589	55.8	25.8	6.2	55.8	7.7	1.4	3.1	55.2	56.4
Belgium (Flemish)	776	59.7	21.9	2.3	59.7	10.8	3.1	2.2	58.6	60.7
Bulgaria	597	73.5	10.5	2.7	73.5	7.3	5.3	0.6	71.2	76.1
Canada	1737	61.9	14.6	2.9	61.9	11.9	2.6	6.1	58.3	65.2
Chile	683	48.8	22.5	3.4	48.8	14.9	4.2	6.2	44.8	52.6
Chinese Taipei	611	90.6	5.9	0.8	90.6	1.6	0.8	0.3	88.6	92.7
Croatia	575	53.8	20.3	7.4	53.8	14.0	2.5	1.9	50.4	57.0
Cyprus	595	54.3	22.5	3.9	54.3	7.7	4.7	6.9	52.1	56.2
Czech Republic	739	65.2	18.0	2.1	65.2	9.6	2.0	3.1	59.4	70.0
Denmark	525	70.8	14.6	2.6	70.8	5.1	1.6	5.4	71.0	70.6
England	564	78.3	10.0	2.5	78.3	5.3	1.8	2.1	76.7	79.9
Finland	718	67.9	15.3	1.8	67.9	7.7	5.0	2.3	63.2	72.5
France	701	58.6	20.2	1.8	58.6	9.9	2.9	6.6	55.7	61.1
Georgia	568	53.0	20.1	9.6	53.0	8.9	3.0	5.5	52.0	53.9
Germany	571	75.0	7.8	2.8	75.0	6.3	5.2	2.9	70.7	78.6
Hong Kong SAR	531	86.2	5.7	1.4	86.2	5.8	0.0	0.9	81.8	89.6
Hungary	720	65.0	16.8	2.1	65.0	8.3	3.8	4.0	59.3	69.9
Indonesia	579	43.6	25.9	15.2	43.6	11.9	2.1	1.3	40.9	46.2
Iran, Islamic Rep. of	548	62.8	19.5	7.3	62.8	3.8	3.1	3.5	69.9	56.1
Ireland	614	64.7	18.4	2.5	64.7	10.0	2.0	2.3	62.3	67.2
Italy	621	65.1	16.6	2.5	65.1	9.5	3.9	2.4	65.6	64.7
Japan	629	94.4	1.1	0.6	94.4	1.4	0.6	1.8	93.7	95.2
Kazakhstan	671	78.9	9.0	3.0	78.9	6.9	1.6	0.7	78.2	79.5
Korea, Rep. of	661	85.1	8.1	0.7	85.1	5.9	0.0	0.2	81.9	87.8
Kuwait	518	31.9	32.0	7.3	31.9	14.7	10.2	3.9	33.9	30.3
Lithuania	638	66.0	16.8	3.8	66.0	9.8	2.5	1.2	64.1	68.0
Morocco	687	62.8	22.9	7.1	62.8	4.7	2.3	0.2	58.5	67.2
Netherlands	632	68.7	9.5	2.9	68.7	13.6	1.6	3.6	63.5	74.1
New Zealand	902	63.0	15.5	3.4	63.0	11.9	4.5	1.8	59.1	67.0
Northern Ireland	431	66.0	16.6	4.0	66.0	12.8	0.6	0.0	66.8	65.6
Norway	607	59.2	20.3	3.1	59.2	10.9	2.4	4.1	49.3	69.7
Oman	1292	75.8	9.9	4.2	75.8	6.0	2.5	1.6	77.4	74.2
Poland	680	78.3	7.4	2.1	78.3	8.4	1.5	2.4	74.5	82.1
Portugal	674	58.9	15.8	3.1	58.9	12.2	3.8	6.1	59.2	58.7
Qatar	740	59.1	19.1	6.0	59.1	9.3	2.9	3.6	61.8	56.6
Russian Federation	693	68.1	15.5	3.0	68.1	9.6	2.1	1.6	67.2	68.9
Saudi Arabia	598	41.9	33.4	6.4	41.9	11.9	3.2	3.2	49.8	33.1
Serbia	576	69.9	14.2	2.0	69.9	4.5	2.9	6.6	68.1	71.6
Singapore	927	86.3	5.2	1.5	86.3	5.9	0.8	0.3	84.3	88.2
Slovak Republic	835	68.8	14.6	3.7	68.8	7.2	3.2	2.4	62.9	74.8
Slovenia	627	75.5	12.4	1.6	75.5	6.7	1.5	2.4	72.6	78.3
Spain	1105	60.4	19.8	1.6	60.4	11.0	4.4	2.8	54.2	66.4
Sweden	594	67.6	12.8	1.5	67.6	8.9	4.6	4.6	65.2	70.0
Turkey	909	49.8	24.5	6.9	49.8	15.3	1.5	2.0	49.1	50.6
United Arab Emirates	3029	58.8	20.5	5.6	58.8	10.3	3.3	1.6	55.7	61.6
United States	1435	80.3	8.6	1.8	80.3	3.5	1.9	3.9	79.1	81.3
International Avg (n=47)	36121	65.8	16.1	3.7	65.8	8.8	2.8	2.9	63.8	67.7
Buenos Aires, Argentina	431	46.8	13.8	4.0	46.8	10.0	16.7	8.7	49.1	44.5
Ontario, Canada	639	62.5	16.3	2.3	62.5	10.5	2.2	6.3	63.5	61.8
Quebec, Canada	397	63.1	11.8	3.2	63.1	14.8	3.1	3.9	55.3	70.7
Norway (4)	608	46.0	21.7	4.3	46.0	17.2	3.5	7.3	41.5	49.9
Abu Dhabi, UAE	721	54.5	22.9	5.3	54.5	11.7	3.6	1.9	49.8	58.9
Dubai, UAE	1063	69.3	15.7	4.8	69.3	6.5	3.0	0.7	67.5	70.9
Florida, US	299	73.6	14.9	2.1	73.6	5.6	1.6	2.1	74.0	73.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S13_10 (S051106): Earth Science / Applying Type: MC Key: D
Label: Amount of water and land on Earth

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	34.4	10.8	11.3	35.9	34.4	4.6	3.0	33.1	35.5
Bahrain	589	37.5	18.6	10.7	23.7	37.5	5.8	3.7	33.4	41.8
Belgium (Flemish)	776	37.7	11.8	11.0	34.3	37.7	2.7	2.5	33.7	41.6
Bulgaria	597	45.0	11.5	10.9	25.2	45.0	5.9	1.5	43.1	47.2
Canada	1740	34.2	11.8	10.8	31.4	34.2	4.7	7.2	27.4	40.5
Chile	683	30.7	15.1	13.0	28.8	30.7	5.4	7.0	26.3	34.8
Chinese Taipei	611	55.8	8.2	8.4	24.9	55.8	2.2	0.6	46.3	65.8
Croatia	575	54.1	5.4	8.4	26.2	54.1	3.2	2.7	50.4	57.4
Cyprus	595	38.6	12.0	8.4	27.7	38.6	4.2	9.0	41.2	36.4
Czech Republic	739	35.1	9.3	15.7	32.9	35.1	3.5	3.4	30.3	39.0
Denmark	525	44.8	3.6	8.6	33.4	44.8	3.5	6.1	38.5	51.4
England	564	39.0	15.7	9.1	30.9	39.0	2.7	2.6	32.6	45.7
Finland	718	47.0	6.8	9.6	29.9	47.0	4.0	2.7	43.6	50.2
France	0	.	.	.	.	.	.	.	.	.
Georgia	568	57.4	14.7	5.5	11.5	57.4	5.2	5.8	58.2	56.7
Germany	571	40.7	14.9	7.7	24.8	40.7	6.7	5.3	34.0	46.6
Hong Kong SAR	531	64.8	3.6	11.1	17.0	64.8	2.5	0.9	54.0	73.2
Hungary	720	57.9	8.1	7.1	18.0	57.9	3.0	5.9	54.9	60.6
Indonesia	579	14.3	36.0	12.1	30.9	14.3	5.3	1.3	15.9	12.8
Iran, Islamic Rep. of	548	32.4	19.5	11.7	24.2	32.4	7.7	4.4	28.3	36.4
Ireland	614	46.9	8.9	9.0	30.1	46.9	2.0	3.1	42.0	51.8
Italy	621	36.7	25.0	9.3	18.4	36.7	7.3	3.3	32.6	40.8
Japan	629	34.9	4.8	21.9	34.5	34.9	1.8	2.1	31.0	39.2
Kazakhstan	671	52.7	12.9	6.2	25.6	52.7	1.8	0.9	52.4	52.9
Korea, Rep. of	661	81.2	0.1	3.2	15.1	81.2	0.2	0.2	75.2	86.3
Kuwait	518	28.7	18.7	8.7	22.7	28.7	16.9	4.3	29.0	28.9
Lithuania	638	61.5	6.6	7.2	20.7	61.5	2.1	2.0	63.6	59.3
Morocco	660	27.9	34.8	12.6	20.6	27.9	3.9	0.2	26.8	29.0
Netherlands	632	33.1	5.6	15.8	39.9	33.1	1.8	3.8	29.8	36.5
New Zealand	901	37.0	14.8	10.9	30.0	37.0	5.2	2.1	36.9	37.1
Northern Ireland	425	46.4	10.2	11.2	31.5	46.4	0.7	0.0	43.0	50.0
Norway	607	48.5	5.8	7.4	28.9	48.5	4.5	4.9	45.1	52.1
Oman	1293	49.6	15.8	9.7	17.7	49.6	5.3	1.8	50.5	48.7
Poland	680	58.4	11.9	6.3	19.4	58.4	1.2	2.8	56.3	60.6
Portugal	674	39.7	11.5	8.9	27.2	39.7	5.0	7.7	35.9	43.1
Qatar	740	39.1	18.1	9.7	23.2	39.1	5.7	4.1	38.6	39.6
Russian Federation	693	46.2	9.7	9.3	30.5	46.2	2.8	1.6	43.7	48.6
Saudi Arabia	597	41.5	15.4	7.7	10.6	41.5	20.7	4.1	43.2	39.6
Serbia	576	40.2	13.5	7.1	24.2	40.2	7.3	7.7	40.0	40.4
Singapore	927	45.1	6.5	18.6	27.2	45.1	2.0	0.5	40.1	49.8
Slovak Republic	835	41.0	17.6	10.1	23.9	41.0	4.3	3.1	39.5	42.5
Slovenia	627	47.7	10.4	7.9	27.5	47.7	3.7	2.8	42.6	52.7
Spain	1105	33.6	10.3	12.6	33.1	33.6	6.5	3.9	33.5	33.7
Sweden	594	61.7	4.3	9.6	14.7	61.7	4.6	5.2	57.1	66.5
Turkey	909	63.4	12.1	6.4	13.3	63.4	2.1	2.7	59.9	67.0
United Arab Emirates	3029	44.7	16.4	8.3	23.4	44.7	5.3	1.8	44.4	45.0
United States	1435	50.4	8.9	7.6	25.4	50.4	3.3	4.4	46.8	53.6
International Avg (n=46)	35389	44.3	12.3	9.9	25.5	44.3	4.6	3.4	41.4	47.1
Buenos Aires, Argentina	431	13.7	16.5	8.7	25.9	13.7	25.1	10.2	14.4	13.0
Ontario, Canada	638	36.1	11.6	8.5	32.4	36.1	4.0	7.5	27.8	43.3
Quebec, Canada	400	30.9	10.3	13.9	33.0	30.9	6.7	5.3	25.2	36.4
Norway (4)	608	41.0	8.2	4.8	32.5	41.0	5.0	8.6	36.4	44.9
Abu Dhabi, UAE	721	35.0	20.4	9.6	26.2	35.0	6.5	2.3	36.7	33.4
Dubai, UAE	1063	56.9	11.3	6.7	21.2	56.9	3.0	0.9	54.1	59.5
Florida, US	299	44.0	9.5	6.8	33.6	44.0	3.3	2.8	41.3	46.1

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S13_11 (S051148): Earth Science / Knowing Type: MC Key: C
Label: What makes up solar system

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	55.2	23.3	2.6	55.2	12.4	2.1	4.4	53.1	56.9
Bahrain	589	54.8	23.4	5.7	54.8	10.1	0.9	5.1	58.9	50.6
Belgium (Flemish)	776	48.4	28.9	7.2	48.4	10.9	1.7	3.0	48.8	48.1
Bulgaria	597	76.6	9.2	6.7	76.6	3.7	2.0	1.7	75.3	78.1
Canada	1744	53.8	21.0	3.3	53.8	11.9	1.7	8.4	51.7	55.8
Chile	683	61.8	18.5	4.5	61.8	6.0	1.5	7.6	61.8	61.8
Chinese Taipei	611	64.5	18.3	2.5	64.5	13.4	0.4	0.9	58.3	70.9
Croatia	575	67.8	19.4	2.7	67.8	6.5	0.6	3.0	64.7	70.7
Cyprus	595	36.2	40.1	3.5	36.2	7.6	1.9	10.7	32.2	39.8
Czech Republic	739	68.8	17.7	2.8	68.8	5.1	1.5	4.2	69.5	68.2
Denmark	525	65.7	13.9	4.3	65.7	7.8	0.8	7.4	60.8	70.7
England	564	64.2	16.8	4.6	64.2	10.7	0.8	3.0	59.2	69.2
Finland	718	70.5	12.9	5.1	70.5	6.5	2.0	3.0	70.7	70.3
France	701	46.1	31.9	4.0	46.1	6.8	3.8	7.3	48.3	44.3
Georgia	568	55.1	17.5	8.4	55.1	9.8	2.3	6.9	57.5	52.9
Germany	571	63.7	19.1	2.9	63.7	7.3	1.5	5.4	65.1	62.5
Hong Kong SAR	531	74.5	12.8	1.6	74.5	8.8	1.3	0.9	69.2	78.7
Hungary	720	71.9	9.4	4.0	71.9	7.2	1.0	6.5	69.7	73.7
Indonesia	579	25.6	55.9	6.0	25.6	8.8	1.3	2.5	29.3	22.1
Iran, Islamic Rep. of	548	57.3	13.3	5.0	57.3	17.1	1.5	5.8	59.1	55.6
Ireland	614	63.3	14.7	3.2	63.3	14.4	0.4	3.9	59.8	66.8
Italy	621	56.4	26.9	3.5	56.4	6.5	2.2	4.5	55.9	57.0
Japan	629	44.5	38.1	6.9	44.5	7.1	0.9	2.4	40.1	49.2
Kazakhstan	671	67.1	13.6	8.7	67.1	8.6	0.6	1.3	64.3	69.7
Korea, Rep. of	661	72.4	14.9	2.4	72.4	10.0	0.2	0.2	67.2	76.8
Kuwait	518	41.1	28.3	7.7	41.1	11.0	5.8	6.1	38.5	44.0
Lithuania	638	60.7	23.3	5.5	60.7	7.1	0.8	2.5	60.9	60.5
Morocco	671	37.2	39.7	12.2	37.2	9.4	1.3	0.2	38.5	35.8
Netherlands	632	58.7	19.4	6.1	58.7	10.4	1.1	4.3	55.8	61.6
New Zealand	901	55.8	19.7	4.7	55.8	16.1	1.3	2.3	52.0	59.9
Northern Ireland	429	62.6	20.5	2.8	62.6	13.9	0.2	0.0	61.4	64.3
Norway	607	65.3	12.1	5.7	65.3	7.5	2.9	6.6	64.5	66.1
Oman	1289	49.7	30.9	5.9	49.7	9.2	1.7	2.6	52.0	47.5
Poland	680	73.7	15.2	2.0	73.7	5.3	0.8	3.0	70.4	77.0
Portugal	674	76.0	9.0	1.5	76.0	4.2	0.8	8.4	76.6	75.4
Qatar	740	49.0	30.2	7.0	49.0	6.3	2.4	5.0	48.9	49.1
Russian Federation	693	81.0	7.3	5.0	81.0	3.8	1.1	1.9	80.6	81.4
Saudi Arabia	598	43.2	30.9	6.6	43.2	11.5	1.6	6.2	45.6	40.5
Serbia	576	48.2	24.3	5.4	48.2	10.5	1.0	10.5	46.5	49.9
Singapore	927	51.5	28.2	3.4	51.5	15.8	0.5	0.7	45.3	57.3
Slovak Republic	835	71.7	15.2	2.8	71.7	5.4	0.7	4.3	73.9	69.6
Slovenia	627	33.7	52.9	3.6	33.7	4.8	1.2	3.9	27.6	39.8
Spain	1105	66.0	18.4	2.4	66.0	6.5	1.1	5.7	63.2	68.7
Sweden	594	68.7	15.7	2.0	68.7	5.0	2.7	5.9	63.5	74.3
Turkey	909	34.1	37.9	7.8	34.1	16.3	0.7	3.2	29.2	39.2
United Arab Emirates	3029	57.4	23.3	5.1	57.4	8.6	3.0	2.7	56.9	57.8
United States	1435	68.6	13.0	2.6	68.6	9.3	1.4	5.2	65.7	71.2
International Avg (n=47)	36106	58.3	22.3	4.7	58.3	9.0	1.5	4.3	56.8	59.8
Buenos Aires, Argentina	431	40.6	23.4	2.1	40.6	8.3	13.1	12.5	42.9	38.4
Ontario, Canada	640	54.4	22.0	2.9	54.4	11.7	0.7	8.4	52.7	56.0
Quebec, Canada	399	58.5	18.9	3.7	58.5	10.1	1.3	7.6	60.7	56.3
Norway (4)	608	57.0	15.2	6.1	57.0	8.7	1.6	11.4	51.9	61.3
Abu Dhabi, UAE	721	47.5	29.2	6.9	47.5	9.4	3.6	3.3	50.1	45.2
Dubai, UAE	1063	68.8	15.6	3.6	68.8	8.5	2.3	1.2	67.7	69.9
Florida, US	299	68.6	14.2	3.4	68.6	8.5	2.2	3.1	70.7	67.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_02 (S061014): Life Science / Applying Type: CR 2 Points
Label: Jack on a bus with sick man

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	52.2	38.3	7.0	90.5	52.2	2.5	0.0	53.6	50.9
Bahrain	597	35.5	32.8	23.9	68.3	35.5	7.8	0.0	42.3	29.0
Belgium (Flemish)	774	37.4	54.4	6.0	91.8	37.4	2.2	0.0	37.3	37.5
Bulgaria	595	45.2	38.1	6.0	83.3	45.2	10.7	0.0	45.7	44.7
Canada	1748	47.4	42.4	8.0	89.8	47.4	2.2	0.0	52.7	42.4
Chile	674	41.4	43.7	7.1	85.1	41.4	7.6	0.1	45.1	38.0
Chinese Taipei	614	82.2	12.0	2.7	94.2	82.2	3.0	0.0	86.4	78.3
Croatia	577	38.8	47.1	10.7	85.8	38.8	3.4	0.0	40.1	37.8
Cyprus	591	50.2	36.0	8.4	86.2	50.2	5.4	0.0	50.5	49.9
Czech Republic	741	34.8	52.6	7.6	87.4	34.8	5.1	0.0	34.9	34.6
Denmark	527	57.6	36.2	2.1	93.8	57.6	3.3	0.8	57.4	57.8
England	571	43.3	45.9	7.7	89.3	43.3	3.0	0.0	46.0	40.3
Finland	725	36.8	52.3	8.0	89.1	36.8	2.9	0.0	40.3	33.2
France	696	26.4	56.7	11.1	83.1	26.4	5.8	0.0	25.1	27.6
Georgia	563	43.9	38.1	8.0	82.1	43.9	9.9	0.0	47.1	40.9
Germany	557	24.9	62.2	6.9	87.0	24.9	6.1	0.0	24.6	24.9
Hong Kong SAR	522	59.5	32.3	5.5	91.7	59.5	2.7	0.0	61.5	57.6
Hungary	717	36.0	51.9	9.5	87.8	36.0	2.6	0.0	35.3	36.6
Indonesia	577	25.3	34.3	33.8	59.6	25.3	6.7	0.0	27.2	23.4
Iran, Islamic Rep. of	546	27.3	38.7	20.5	66.0	27.3	13.4	0.0	33.0	21.6
Ireland	622	43.8	47.0	7.2	90.7	43.8	2.0	0.1	50.3	37.9
Italy	620	42.8	47.9	5.9	90.7	42.8	3.4	0.0	44.0	41.6
Japan	630	78.3	20.8	0.7	99.2	78.3	0.2	0.0	79.9	76.6
Kazakhstan	669	43.5	44.4	7.8	87.9	43.5	4.3	0.0	49.7	37.1
Korea, Rep. of	665	62.5	33.5	3.9	96.1	62.5	0.0	0.0	62.0	63.1
Kuwait	488	11.1	24.7	30.4	35.8	11.1	33.6	0.2	11.4	11.1
Lithuania	637	55.8	38.4	3.4	94.2	55.8	2.4	0.0	59.9	51.3
Morocco	733	24.8	33.2	27.0	58.0	24.8	15.0	0.0	26.8	23.0
Netherlands	637	36.8	42.4	18.6	79.2	36.8	2.1	0.1	37.1	36.5
New Zealand	909	45.6	43.0	8.7	88.6	45.6	2.8	0.0	46.4	44.7
Northern Ireland	447	38.8	51.5	7.9	90.2	38.8	1.9	0.0	40.4	36.9
Norway	612	39.7	51.3	7.3	90.9	39.7	1.8	0.0	39.2	40.2
Oman	1306	29.9	34.3	25.8	64.1	29.9	9.9	0.2	32.9	27.1
Poland	672	41.1	50.6	4.0	91.7	41.1	4.3	0.0	42.9	39.6
Portugal	682	42.7	47.1	8.1	89.8	42.7	2.0	0.0	43.7	41.7
Qatar	734	27.5	34.5	25.8	62.0	27.5	11.8	0.3	33.0	22.2
Russian Federation	713	57.2	37.0	4.0	94.2	57.2	1.8	0.0	58.8	55.7
Saudi Arabia	613	25.3	29.8	24.6	55.0	25.3	20.4	0.0	32.7	17.5
Serbia	579	52.8	36.9	6.2	89.7	52.8	4.1	0.0	54.5	51.2
Singapore	935	64.6	29.9	5.0	94.5	64.6	0.5	0.0	66.8	62.6
Slovak Republic	829	37.1	50.7	6.4	87.8	37.1	5.8	0.0	38.6	35.8
Slovenia	614	56.2	37.9	2.5	94.1	56.2	3.2	0.2	61.3	51.6
Spain	1123	30.0	49.5	15.1	79.4	30.0	5.5	0.0	30.9	29.1
Sweden	596	30.5	56.6	9.6	87.2	30.5	3.3	0.0	34.5	26.6
Turkey	918	40.7	44.8	10.8	85.5	40.7	3.6	0.1	40.3	41.1
United Arab Emirates	3048	34.3	32.9	22.0	67.3	34.3	10.8	0.0	38.8	30.2
United States	1443	43.2	46.7	8.2	89.9	43.2	1.9	0.0	43.3	43.1
International Avg (n=47)	36255	42.2	41.3	10.8	83.5	42.2	5.6	0.0	44.4	40.0
Buenos Aires, Argentina	428	33.0	39.8	6.9	72.8	33.0	20.3	0.0	36.3	29.9
Ontario, Canada	647	47.9	41.6	9.3	89.4	47.9	1.3	0.0	55.3	40.7
Quebec, Canada	406	49.0	44.0	4.5	93.0	49.0	2.5	0.0	53.6	44.5
Norway (4)	603	35.8	55.7	6.8	91.4	35.8	1.8	0.0	37.5	34.2
Abu Dhabi, UAE	721	33.9	29.2	25.7	63.1	33.9	11.2	0.0	38.3	29.8
Dubai, UAE	1074	46.9	34.0	14.0	80.9	46.9	5.1	0.0	55.3	39.0
Florida, US	295	45.9	42.6	9.5	88.5	45.9	2.0	0.0	42.6	48.4

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S14_03 (S061056): Life Science / Reasoning Type: CR 1 Point
Label: Mary's and Jenny's flowers

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	74.6	24.6	74.6	0.8	0.0	76.5	72.8
Bahrain	597	58.5	40.2	58.5	1.3	0.0	71.2	46.2
Belgium (Flemish)	774	76.5	22.4	76.5	1.1	0.0	80.7	72.6
Bulgaria	595	64.2	34.6	64.2	1.2	0.0	66.9	61.2
Canada	1748	78.9	19.9	78.9	1.2	0.0	83.4	74.8
Chile	674	68.1	28.3	68.1	3.4	0.1	72.7	63.8
Chinese Taipei	614	75.3	23.6	75.3	1.0	0.0	79.8	71.1
Croatia	577	88.8	10.7	88.8	0.5	0.0	90.0	87.8
Cyprus	591	76.7	20.9	76.7	2.4	0.0	79.9	73.8
Czech Republic	741	83.0	16.3	83.0	0.7	0.0	86.1	80.2
Denmark	527	74.8	22.7	74.8	1.7	0.8	80.5	69.5
England	571	74.8	25.2	74.8	0.0	0.0	79.1	69.9
Finland	725	85.3	14.4	85.3	0.3	0.0	89.9	80.3
France	696	77.5	21.0	77.5	1.5	0.0	84.2	71.5
Georgia	563	55.7	39.7	55.7	4.5	0.0	61.5	50.3
Germany	557	83.8	15.1	83.8	1.1	0.0	89.2	78.6
Hong Kong SAR	522	68.8	31.2	68.8	0.0	0.0	73.9	64.4
Hungary	717	80.3	19.0	80.3	0.5	0.1	84.1	76.8
Indonesia	577	53.7	44.2	53.7	2.1	0.0	63.5	44.5
Iran, Islamic Rep. of	546	66.6	32.4	66.6	1.1	0.0	71.0	62.0
Ireland	622	71.4	28.4	71.4	0.1	0.1	75.3	67.8
Italy	620	74.4	23.9	74.4	1.7	0.0	80.8	68.5
Japan	630	92.0	8.0	92.0	0.0	0.0	92.8	91.2
Kazakhstan	669	74.0	26.0	74.0	0.0	0.0	76.8	71.1
Korea, Rep. of	665	87.2	12.5	87.2	0.3	0.0	89.4	85.1
Kuwait	481	18.6	75.1	18.6	6.1	0.2	18.6	19.2
Lithuania	637	84.8	15.2	84.8	0.0	0.0	91.7	77.1
Morocco	733	41.8	56.3	41.8	1.8	0.0	42.9	40.9
Netherlands	637	75.0	23.6	75.0	1.4	0.1	83.1	67.3
New Zealand	909	75.6	22.9	75.6	1.5	0.0	82.4	68.0
Northern Ireland	447	63.6	35.9	63.6	0.3	0.1	69.8	57.0
Norway	612	75.5	23.5	75.5	1.0	0.0	80.2	70.6
Oman	1305	56.3	41.7	56.3	1.8	0.2	59.9	52.9
Poland	672	88.2	11.4	88.2	0.4	0.0	93.5	83.5
Portugal	682	80.1	19.0	80.1	0.8	0.0	81.7	78.6
Qatar	734	50.6	46.9	50.6	2.2	0.3	56.7	44.7
Russian Federation	713	83.8	15.2	83.8	1.0	0.0	87.7	80.3
Saudi Arabia	613	25.9	71.8	25.9	2.3	0.0	33.3	18.2
Serbia	579	81.6	17.3	81.6	1.1	0.0	82.2	81.1
Singapore	935	90.6	9.0	90.6	0.4	0.0	92.7	88.7
Slovak Republic	829	81.3	18.1	81.3	0.5	0.0	85.5	77.7
Slovenia	614	89.0	10.0	89.0	0.8	0.2	91.5	86.7
Spain	1123	78.3	20.8	78.3	0.8	0.0	83.3	73.7
Sweden	596	86.5	12.7	86.5	0.8	0.0	90.9	82.1
Turkey	918	50.7	48.9	50.7	0.3	0.1	54.9	46.5
United Arab Emirates	3048	51.7	47.2	51.7	1.1	0.0	57.4	46.5
United States	1443	78.9	20.3	78.9	0.8	0.0	79.5	78.3
International Avg (n=47)	36247	71.8	27.0	71.8	1.2	0.1	76.1	67.6
Buenos Aires, Argentina	428	57.7	31.8	57.7	10.5	0.0	68.4	47.6
Ontario, Canada	647	81.9	17.8	81.9	0.3	0.0	85.8	78.2
Quebec, Canada	406	78.2	20.6	78.2	1.2	0.0	83.7	72.8
Norway (4)	603	67.0	31.9	67.0	1.1	0.0	75.0	59.9
Abu Dhabi, UAE	721	46.6	52.7	46.6	0.7	0.0	51.2	42.5
Dubai, UAE	1074	66.1	33.2	66.1	0.7	0.0	69.7	62.7
Florida, US	295	73.7	25.1	73.7	1.2	0.0	80.8	68.0

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S14_04 (S061015): Life Science / Reasoning Type: CR 1 Point
 Label: Best environment for shark

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	68.7	30.5	68.7	0.8	0.0	72.6	65.2
Bahrain	597	46.6	52.3	46.6	0.9	0.2	53.3	40.2
Belgium (Flemish)	774	56.9	42.0	56.9	1.1	0.0	63.6	50.7
Bulgaria	595	58.8	40.3	58.8	0.9	0.0	57.9	59.8
Canada	1748	71.8	27.1	71.8	1.1	0.0	73.7	70.1
Chile	673	64.3	32.8	64.3	2.7	0.1	67.5	61.3
Chinese Taipei	614	69.4	30.3	69.4	0.4	0.0	73.4	65.5
Croatia	577	73.7	25.9	73.7	0.4	0.0	77.0	71.1
Cyprus	591	59.7	37.8	59.7	2.6	0.0	60.2	59.2
Czech Republic	741	65.5	34.2	65.5	0.2	0.0	72.2	59.7
Denmark	527	55.3	41.9	55.3	1.8	1.0	66.5	44.9
England	571	71.4	28.1	71.4	0.5	0.0	71.8	70.9
Finland	725	72.8	26.0	72.8	1.2	0.0	74.5	71.0
France	696	50.2	48.6	50.2	1.2	0.0	55.5	45.4
Georgia	563	39.1	55.9	39.1	4.9	0.0	39.8	38.5
Germany	557	63.0	36.5	63.0	0.5	0.0	67.7	58.4
Hong Kong SAR	522	60.5	39.5	60.5	0.0	0.0	63.0	58.3
Hungary	717	69.7	30.1	69.7	0.1	0.1	69.5	69.9
Indonesia	577	28.7	69.2	28.7	2.1	0.0	29.9	27.5
Iran, Islamic Rep. of	546	33.7	64.3	33.7	2.0	0.0	39.7	27.6
Ireland	622	71.0	28.8	71.0	0.1	0.1	70.0	71.8
Italy	620	61.0	38.3	61.0	0.7	0.0	62.7	59.3
Japan	630	73.0	27.0	73.0	0.0	0.0	67.6	78.9
Kazakhstan	669	63.0	36.9	63.0	0.1	0.0	62.8	63.2
Korea, Rep. of	665	87.3	12.6	87.3	0.2	0.0	86.6	87.9
Kuwait	488	19.9	76.5	19.9	3.4	0.2	20.8	19.6
Lithuania	637	63.5	36.5	63.5	0.0	0.0	68.3	58.2
Morocco	725	33.4	64.6	33.4	2.0	0.0	36.2	30.9
Netherlands	637	66.9	31.7	66.9	1.3	0.1	72.1	62.0
New Zealand	909	64.1	34.3	64.1	1.6	0.0	69.7	57.8
Northern Ireland	447	62.9	36.7	62.9	0.3	0.1	64.8	60.8
Norway	612	62.1	36.9	62.1	1.0	0.0	64.8	59.3
Oman	1306	49.6	48.5	49.6	1.7	0.2	56.8	43.1
Poland	672	70.9	28.7	70.9	0.4	0.0	73.7	68.4
Portugal	682	71.3	28.2	71.3	0.5	0.0	71.0	71.7
Qatar	734	47.7	49.6	47.7	2.2	0.5	53.3	42.3
Russian Federation	713	62.7	36.6	62.7	0.7	0.0	67.7	58.3
Saudi Arabia	613	33.4	63.8	33.4	2.8	0.0	42.7	23.8
Serbia	578	77.9	21.0	77.9	1.1	0.0	81.5	74.5
Singapore	934	72.7	27.0	72.7	0.3	0.0	71.0	74.2
Slovak Republic	829	55.3	44.1	55.3	0.6	0.0	57.9	53.0
Slovenia	614	68.5	30.8	68.5	0.5	0.2	74.0	63.6
Spain	1123	70.8	28.3	70.8	0.9	0.0	73.6	68.2
Sweden	596	80.8	18.5	80.8	0.7	0.0	82.1	79.7
Turkey	918	38.8	60.8	38.8	0.3	0.1	40.5	37.1
United Arab Emirates	3048	43.5	55.3	43.5	1.2	0.0	45.6	41.6
United States	1443	77.3	21.4	77.3	1.3	0.0	78.8	75.9
International Avg (n=47)	36244	60.2	38.7	60.2	1.1	0.1	63.1	57.5
Buenos Aires, Argentina	428	55.9	34.8	55.9	9.3	0.0	58.4	53.6
Ontario, Canada	647	77.4	21.9	77.4	0.7	0.0	80.8	74.2
Quebec, Canada	406	68.3	30.6	68.3	1.2	0.0	71.6	65.0
Norway (4)	603	50.1	49.5	50.1	0.4	0.0	60.0	41.2
Abu Dhabi, UAE	721	38.5	60.1	38.5	1.5	0.0	41.0	36.1
Dubai, UAE	1074	61.7	37.4	61.7	0.9	0.0	62.2	61.4
Florida, US	295	77.5	21.6	77.5	0.9	0.0	79.6	75.9

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
 Because of missing gender information, some totals may appear inconsistent.

S14_05 (S061113): Life Science / Knowing Type: CR 1 Point
Label: Boiling water before drinking

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	38.4	55.7	38.4	5.8	0.0	39.5	37.4
Bahrain	597	16.9	68.1	16.9	14.6	0.3	19.4	14.5
Belgium (Flemish)	774	20.0	71.8	20.0	8.2	0.0	16.4	23.3
Bulgaria	469	31.4	50.1	31.4	18.5	0.0	32.5	30.2
Canada	1748	21.9	70.0	21.9	8.2	0.0	23.6	20.3
Chile	673	10.5	72.6	10.5	16.7	0.1	10.5	10.5
Chinese Taipei	614	56.5	38.3	56.5	5.2	0.0	55.8	57.2
Croatia	577	33.0	52.8	33.0	14.2	0.0	33.2	32.8
Cyprus	591	36.6	42.7	36.6	20.6	0.2	35.5	37.6
Czech Republic	741	12.0	66.8	12.0	21.1	0.0	9.2	14.5
Denmark	527	69.7	25.3	69.7	4.1	1.0	75.2	64.4
England	571	18.9	74.5	18.9	6.5	0.2	16.3	21.8
Finland	725	40.6	51.7	40.6	7.7	0.0	37.6	43.8
France	695	27.4	49.6	27.4	23.0	0.0	25.7	28.9
Georgia	563	32.4	34.5	32.4	33.1	0.0	32.4	32.4
Germany	557	44.2	34.8	44.2	21.0	0.0	45.5	43.2
Hong Kong SAR	522	54.9	39.1	54.9	5.9	0.0	53.6	56.1
Hungary	717	18.2	67.9	18.2	13.7	0.1	12.0	24.0
Indonesia	577	10.1	72.0	10.1	17.9	0.0	10.2	10.1
Iran, Islamic Rep. of	546	18.6	57.4	18.6	24.1	0.0	13.9	23.2
Ireland	622	35.5	57.0	35.5	7.4	0.1	36.4	34.7
Italy	619	26.7	51.8	26.7	21.6	0.0	19.2	33.6
Japan	630	46.6	47.7	46.6	5.7	0.0	42.7	50.9
Kazakhstan	669	55.6	35.3	55.6	9.1	0.0	56.3	54.9
Korea, Rep. of	665	39.9	56.9	39.9	3.1	0.0	35.5	44.1
Kuwait	483	9.6	34.3	9.6	55.8	0.2	9.4	10.2
Lithuania	637	32.6	58.9	32.6	8.5	0.0	31.1	34.4
Morocco	734	13.3	58.4	13.3	28.3	0.0	16.0	10.8
Netherlands	637	33.1	60.6	33.1	6.1	0.2	33.2	32.9
New Zealand	909	24.9	66.5	24.9	8.7	0.0	22.0	28.1
Northern Ireland	447	27.3	66.2	27.3	6.3	0.2	27.2	27.3
Norway	612	48.1	46.8	48.1	5.1	0.0	46.0	50.4
Oman	1306	14.1	65.3	14.1	20.4	0.2	17.3	11.2
Poland	672	30.2	59.0	30.2	10.8	0.0	27.8	32.3
Portugal	682	22.4	59.9	22.4	17.8	0.0	19.2	25.5
Qatar	734	26.9	52.6	26.9	19.9	0.7	24.1	29.7
Russian Federation	713	57.1	36.2	57.1	6.7	0.0	54.0	59.9
Saudi Arabia	613	15.9	49.0	15.9	35.1	0.0	23.1	8.4
Serbia	579	22.7	55.5	22.7	21.8	0.0	24.6	21.0
Singapore	934	51.0	47.6	51.0	1.4	0.1	46.7	54.9
Slovak Republic	829	9.6	63.9	9.6	26.5	0.0	5.8	12.9
Slovenia	614	23.7	60.4	23.7	15.7	0.2	17.8	29.1
Spain	1123	16.0	66.8	16.0	17.1	0.0	14.4	17.5
Sweden	596	19.1	72.9	19.1	8.0	0.0	15.7	22.4
Turkey	918	30.5	56.1	30.5	13.3	0.1	33.5	27.5
United Arab Emirates	3048	24.7	53.1	24.7	22.2	0.0	22.9	26.3
United States	1443	23.6	72.3	23.6	4.1	0.0	19.0	27.9
International Avg (n=47)	36121	29.6	55.5	29.6	14.8	0.1	28.5	30.8
Buenos Aires, Argentina	428	18.6	38.0	18.6	43.4	0.0	18.8	18.4
Ontario, Canada	647	14.6	77.8	14.6	7.6	0.0	15.0	14.3
Quebec, Canada	406	37.3	54.2	37.3	8.5	0.0	40.2	34.4
Norway (4)	603	38.8	52.4	38.8	8.8	0.0	38.5	39.0
Abu Dhabi, UAE	721	15.0	58.2	15.0	26.8	0.0	12.4	17.4
Dubai, UAE	1074	37.6	51.8	37.6	10.7	0.0	34.8	40.1
Florida, US	295	18.1	79.8	18.1	2.1	0.0	14.0	21.4

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S14_06 (S061107): Physical Science / Knowing Type: MC Key: D
Label: Property of a liquid

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	39.4	15.3	7.4	34.2	39.4	3.7	0.0	39.4	39.4
Bahrain	597	47.3	9.7	15.8	23.9	47.3	3.0	0.3	54.8	40.0
Belgium (Flemish)	774	23.7	41.9	9.3	20.2	23.7	4.9	0.0	22.2	25.0
Bulgaria	469	62.5	6.5	7.3	21.7	62.5	2.1	0.0	63.1	61.9
Canada	1741	43.1	15.6	10.3	27.5	43.1	3.5	0.0	40.5	45.6
Chile	673	53.6	11.3	6.5	24.3	53.6	4.1	0.1	52.4	54.7
Chinese Taipei	614	59.5	7.0	7.3	25.0	59.5	1.3	0.0	58.8	60.1
Croatia	577	56.5	11.7	6.6	19.2	56.5	5.9	0.0	57.5	55.7
Cyprus	591	39.4	19.8	11.5	24.3	39.4	4.9	0.2	38.0	40.7
Czech Republic	741	34.5	12.2	10.3	38.0	34.5	4.9	0.0	28.6	39.7
Denmark	527	31.2	23.5	14.3	24.3	31.2	5.7	1.0	25.6	36.5
England	571	50.8	11.7	6.1	29.2	50.8	1.8	0.4	50.8	50.9
Finland	725	43.7	7.0	26.1	18.7	43.7	4.5	0.0	47.9	39.1
France	696	25.4	28.2	16.9	20.1	25.4	9.4	0.0	22.7	27.9
Georgia	563	35.1	10.7	17.3	30.6	35.1	6.3	0.0	35.5	34.7
Germany	557	38.9	17.1	17.0	18.3	38.9	8.7	0.0	41.9	36.1
Hong Kong SAR	522	60.6	9.1	7.6	21.3	60.6	1.4	0.0	60.1	61.1
Hungary	717	60.4	6.5	8.5	20.9	60.4	3.5	0.1	60.4	60.4
Indonesia	577	42.3	14.4	19.5	21.8	42.3	2.0	0.0	43.7	41.0
Iran, Islamic Rep. of	546	33.4	10.1	26.1	25.7	33.4	4.7	0.0	36.5	30.2
Ireland	622	46.3	13.9	6.7	31.6	46.3	1.4	0.1	41.1	51.0
Italy	620	64.5	9.0	11.0	11.1	64.5	4.4	0.0	64.5	64.6
Japan	630	49.1	12.0	6.3	30.0	49.1	2.6	0.0	47.9	50.3
Kazakhstan	669	37.9	11.4	11.9	37.4	37.9	1.2	0.1	32.6	43.4
Korea, Rep. of	665	82.1	2.7	3.0	11.2	82.1	1.1	0.0	82.0	82.1
Kuwait	483	24.3	13.6	21.8	25.5	24.3	13.9	0.7	25.7	23.8
Lithuania	637	42.2	12.7	14.0	27.2	42.2	3.8	0.0	43.2	41.2
Morocco	734	30.9	10.6	20.8	31.0	30.9	6.6	0.0	33.0	29.0
Netherlands	636	36.3	33.1	12.9	12.9	36.3	4.7	0.2	33.7	38.7
New Zealand	909	32.9	15.7	12.3	35.2	32.9	3.9	0.0	31.7	34.3
Northern Ireland	440	37.0	15.2	5.8	41.5	37.0	0.5	0.0	33.3	41.1
Norway	612	28.4	11.6	24.9	30.9	28.4	4.2	0.0	25.6	31.3
Oman	1305	37.9	11.3	17.7	30.0	37.9	2.9	0.2	39.1	36.8
Poland	672	42.1	12.9	11.5	30.0	42.1	3.5	0.0	41.1	42.9
Portugal	682	45.7	5.8	8.5	36.8	45.7	3.1	0.0	44.6	46.9
Qatar	734	44.5	7.5	13.5	28.9	44.5	4.6	1.0	48.8	40.4
Russian Federation	713	54.7	6.1	10.6	24.1	54.7	4.5	0.0	53.0	56.3
Saudi Arabia	610	35.1	13.5	18.3	31.0	35.1	2.2	0.0	41.2	28.7
Serbia	579	51.8	11.3	7.7	21.8	51.8	7.4	0.0	56.3	47.5
Singapore	934	76.3	1.6	4.5	17.4	76.3	0.1	0.1	78.5	74.3
Slovak Republic	829	42.4	7.1	14.5	33.0	42.4	2.9	0.0	43.5	41.5
Slovenia	614	57.1	6.2	13.6	20.3	57.1	2.7	0.2	58.6	55.8
Spain	1123	43.6	14.7	10.1	27.0	43.6	4.6	0.0	42.6	44.5
Sweden	596	27.8	19.0	20.8	27.9	27.8	4.4	0.0	27.6	27.7
Turkey	917	52.7	6.4	9.0	30.9	52.7	0.8	0.1	53.2	52.3
United Arab Emirates	3048	46.1	10.6	12.5	27.1	46.1	3.7	0.0	47.6	44.7
United States	1443	58.0	7.2	4.2	27.6	58.0	3.0	0.0	56.7	59.3
International Avg (n=47)	36103	44.9	12.6	12.3	26.1	44.9	3.9	0.1	44.8	44.9
Buenos Aires, Argentina	428	29.4	15.5	8.8	22.4	29.4	24.0	0.0	30.9	27.9
Ontario, Canada	646	47.6	13.7	8.8	27.2	47.6	2.7	0.0	44.9	50.2
Quebec, Canada	402	32.9	18.0	12.3	32.8	32.9	4.0	0.0	29.7	36.1
Norway (4)	603	22.2	14.5	26.6	30.2	22.2	6.6	0.0	20.4	23.7
Abu Dhabi, UAE	721	36.9	15.7	15.2	27.7	36.9	4.6	0.0	38.5	35.5
Dubai, UAE	1074	61.9	5.9	7.3	22.9	61.9	2.0	0.0	62.7	61.2
Florida, US	295	59.9	4.4	3.9	30.3	59.9	1.5	0.0	65.2	55.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_07 (S061046): Physical Science / Reasoning Type: MC Key: C
Label: Mary dissolving sugar

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	47.8	15.9	13.4	47.8	18.6	4.2	0.0	49.4	46.2
Bahrain	596	34.4	19.1	20.3	34.4	18.7	7.3	0.3	37.1	31.8
Belgium (Flemish)	774	37.7	15.1	17.1	37.7	22.8	7.3	0.0	39.6	35.9
Bulgaria	595	55.3	16.1	10.7	55.3	13.8	4.0	0.0	58.5	51.8
Canada	1735	40.3	14.9	17.9	40.3	22.0	4.9	0.0	40.5	40.2
Chile	674	26.1	21.3	21.9	26.1	24.8	5.8	0.1	29.1	23.3
Chinese Taipei	614	64.7	9.2	4.5	64.7	20.4	1.1	0.0	69.7	59.9
Croatia	577	48.0	16.2	11.4	48.0	20.6	3.8	0.0	44.2	51.0
Cyprus	591	40.1	20.0	14.7	40.1	17.1	8.0	0.2	41.2	39.1
Czech Republic	741	46.9	16.8	9.1	46.9	20.9	6.2	0.0	47.6	46.3
Denmark	527	36.2	15.7	17.8	36.2	20.2	9.1	1.0	32.2	40.0
England	571	55.1	13.6	11.9	55.1	16.7	2.4	0.4	55.6	54.5
Finland	725	48.6	16.8	12.5	48.6	15.6	6.6	0.0	47.6	49.6
France	696	28.7	17.5	22.0	28.7	22.2	9.4	0.0	29.0	28.5
Georgia	563	30.7	16.5	18.4	30.7	23.8	10.6	0.0	30.6	30.8
Germany	557	39.6	18.0	14.2	39.6	21.0	7.2	0.0	44.1	35.4
Hong Kong SAR	522	56.5	9.5	16.4	56.5	16.6	1.0	0.0	57.8	55.4
Hungary	717	49.0	13.9	12.6	49.0	20.7	3.7	0.1	47.6	50.4
Indonesia	577	30.1	22.9	23.4	30.1	21.0	2.6	0.0	31.4	29.0
Iran, Islamic Rep. of	546	34.0	21.1	16.3	34.0	21.6	7.0	0.0	31.7	36.3
Ireland	622	46.0	14.7	12.3	46.0	23.3	3.4	0.3	50.0	42.4
Italy	620	45.4	16.0	15.6	45.4	19.3	3.7	0.0	48.8	42.3
Japan	630	70.8	7.7	6.5	70.8	13.3	1.8	0.0	71.1	70.4
Kazakhstan	669	53.6	12.7	9.7	53.6	22.6	1.3	0.1	50.2	57.1
Korea, Rep. of	665	64.6	8.6	11.2	64.6	15.0	0.6	0.0	62.9	66.1
Kuwait	488	21.1	20.4	16.8	21.1	17.8	23.1	0.7	22.2	20.7
Lithuania	637	45.7	12.8	14.4	45.7	22.4	4.8	0.0	44.4	47.1
Morocco	724	26.4	20.1	25.4	26.4	15.8	12.3	0.0	27.0	25.9
Netherlands	635	40.6	9.9	16.3	40.6	27.6	5.3	0.2	40.8	40.3
New Zealand	909	44.6	17.0	14.0	44.6	21.2	3.3	0.0	44.6	44.5
Northern Ireland	436	42.0	14.8	16.4	42.0	25.0	1.7	0.0	43.2	40.6
Norway	612	42.1	16.1	16.4	42.1	22.1	3.3	0.0	40.3	44.0
Oman	1305	35.7	18.3	20.9	35.7	19.6	5.3	0.2	38.5	33.2
Poland	672	49.1	13.6	13.1	49.1	21.1	3.1	0.0	44.8	52.9
Portugal	682	36.0	15.2	18.6	36.0	25.2	5.1	0.0	37.1	34.9
Qatar	734	33.7	17.1	20.6	33.7	20.7	6.6	1.3	36.2	31.2
Russian Federation	713	56.0	7.6	11.3	56.0	22.3	2.8	0.0	58.1	54.2
Saudi Arabia	608	20.3	34.6	13.3	20.3	27.6	4.1	0.2	22.3	18.1
Serbia	579	47.0	17.6	8.2	47.0	16.0	11.3	0.0	50.8	43.4
Singapore	934	77.4	6.4	6.2	77.4	9.6	0.3	0.1	78.1	76.8
Slovak Republic	829	45.9	13.7	10.4	45.9	25.1	4.9	0.0	44.7	47.0
Slovenia	614	40.1	12.9	12.6	40.1	21.5	12.7	0.2	41.9	38.5
Spain	1123	33.7	15.0	18.5	33.7	23.0	9.7	0.0	35.4	32.2
Sweden	596	43.6	14.3	14.1	43.6	20.4	7.6	0.0	43.4	43.7
Turkey	918	36.5	15.3	16.9	36.5	30.3	0.9	0.1	38.5	34.4
United Arab Emirates	3048	37.6	19.0	17.1	37.6	19.9	6.3	0.0	40.1	35.3
United States	1443	49.8	15.0	14.9	49.8	17.5	2.8	0.0	47.5	51.9
International Avg (n=47)	36212	43.3	15.7	14.9	43.3	20.5	5.5	0.1	44.0	42.6
Buenos Aires, Argentina	428	15.2	8.4	16.7	15.2	13.4	46.1	0.3	11.5	18.6
Ontario, Canada	641	41.5	13.5	18.0	41.5	23.2	3.8	0.0	40.3	42.6
Quebec, Canada	403	40.1	16.3	17.4	40.1	20.8	5.4	0.0	42.4	38.0
Norway (4)	603	33.2	20.0	19.1	33.2	19.2	8.5	0.0	28.5	37.4
Abu Dhabi, UAE	721	36.3	20.0	17.9	36.3	21.0	4.7	0.0	40.3	32.7
Dubai, UAE	1074	47.2	16.5	12.9	47.2	18.5	4.9	0.0	49.5	45.0
Florida, US	295	45.7	13.4	16.4	45.7	23.3	1.3	0.0	44.7	46.4

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_08 (S061047): Physical Science / Applying Type: MC Key: B
Label: Object X complete circuit

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	74.3	12.1	74.3	7.4	3.0	3.3	0.0	73.3	75.2
Bahrain	597	67.7	9.6	67.7	15.1	6.1	1.2	0.3	71.1	64.4
Belgium (Flemish)	774	78.5	9.2	78.5	6.3	3.3	2.6	0.0	78.9	78.2
Bulgaria	595	75.8	11.3	75.8	5.9	3.5	3.6	0.0	73.6	78.2
Canada	1746	72.9	13.9	72.9	6.9	3.6	2.6	0.0	69.7	76.0
Chile	673	67.3	12.4	67.3	14.1	2.6	3.4	0.1	66.1	68.4
Chinese Taipei	614	94.0	2.3	94.0	2.2	1.2	0.3	0.0	94.3	93.7
Croatia	577	81.3	9.3	81.3	6.1	2.4	0.9	0.0	80.6	81.8
Cyprus	591	69.3	9.4	69.3	12.9	4.0	4.3	0.2	69.4	69.2
Czech Republic	741	79.5	9.3	79.5	6.7	1.6	3.0	0.0	76.6	82.0
Denmark	527	80.7	6.9	80.7	6.9	1.5	2.3	1.7	79.6	81.7
England	571	82.4	8.5	82.4	7.0	0.9	0.8	0.4	83.2	81.6
Finland	725	81.9	5.7	81.9	7.6	1.5	3.4	0.0	79.0	85.0
France	696	73.9	12.5	73.9	6.4	3.5	3.8	0.0	73.0	74.6
Georgia	563	57.9	16.1	57.9	15.1	6.9	4.0	0.0	56.0	59.6
Germany	557	89.0	4.1	89.0	2.3	2.6	2.0	0.0	87.3	90.7
Hong Kong SAR	522	84.2	8.9	84.2	3.8	2.8	0.3	0.0	81.7	86.3
Hungary	717	80.3	8.2	80.3	6.7	2.6	1.9	0.4	77.4	83.1
Indonesia	577	59.5	18.6	59.5	11.5	8.0	2.3	0.0	59.8	59.3
Iran, Islamic Rep. of	546	75.1	10.2	75.1	4.2	6.3	4.2	0.0	78.9	71.3
Ireland	622	75.1	11.3	75.1	8.7	3.8	0.6	0.6	72.3	77.6
Italy	620	75.4	13.1	75.4	6.2	2.3	3.1	0.0	72.6	77.9
Japan	630	95.4	1.4	95.4	2.4	0.5	0.3	0.0	95.1	95.8
Kazakhstan	669	77.2	8.3	77.2	10.7	2.9	0.7	0.1	76.3	78.2
Korea, Rep. of	665	78.7	13.3	78.7	5.8	2.0	0.2	0.0	73.6	83.5
Kuwait	484	46.0	19.3	46.0	14.2	11.7	8.1	0.7	48.0	44.7
Lithuania	637	84.7	7.0	84.7	6.0	2.0	0.3	0.0	82.9	86.7
Morocco	734	60.8	11.8	60.8	13.6	8.7	5.1	0.0	55.7	65.4
Netherlands	637	76.7	9.3	76.7	7.1	4.9	1.7	0.2	72.7	80.4
New Zealand	909	74.4	13.6	74.4	6.5	3.4	2.2	0.0	73.6	75.2
Northern Ireland	441	69.7	14.6	69.7	12.0	3.5	0.2	0.0	67.7	71.9
Norway	612	78.8	9.5	78.8	6.4	2.6	2.8	0.0	78.4	79.3
Oman	1304	73.5	8.3	73.5	9.2	5.8	2.9	0.3	70.8	75.9
Poland	672	81.9	10.0	81.9	4.7	2.1	1.3	0.0	78.3	85.0
Portugal	682	73.9	9.1	73.9	9.1	5.5	2.5	0.0	72.3	75.5
Qatar	734	69.3	10.9	69.3	9.0	6.4	3.0	1.4	69.8	68.9
Russian Federation	713	83.2	5.7	83.2	8.2	2.1	0.9	0.0	83.0	83.3
Saudi Arabia	612	56.5	19.1	56.5	13.5	8.3	2.4	0.2	60.3	52.6
Serbia	579	82.0	6.8	82.0	7.5	1.2	2.5	0.0	81.8	82.3
Singapore	934	90.5	3.4	90.5	4.2	1.6	0.1	0.1	91.5	89.7
Slovak Republic	829	79.0	9.1	79.0	7.8	2.5	1.7	0.0	78.7	79.3
Slovenia	614	86.8	5.3	86.8	5.0	1.3	1.4	0.2	85.9	87.5
Spain	1123	74.9	10.1	74.9	9.0	3.4	2.7	0.0	72.7	76.9
Sweden	596	83.3	7.3	83.3	4.6	1.9	3.0	0.0	85.4	80.9
Turkey	918	68.3	11.3	68.3	12.7	6.5	1.0	0.1	66.1	70.5
United Arab Emirates	3048	67.1	13.0	67.1	11.4	5.9	2.6	0.0	65.6	68.4
United States	1443	82.2	6.4	82.2	6.2	2.5	2.7	0.0	82.4	82.1
International Avg (n=47)	36239	76.0	9.9	76.0	8.0	3.7	2.3	0.1	75.0	76.9
Buenos Aires, Argentina	428	65.5	7.4	65.5	5.0	3.8	18.0	0.3	64.7	66.3
Ontario, Canada	647	73.8	14.2	73.8	7.0	2.5	2.4	0.0	70.7	76.8
Quebec, Canada	405	73.2	14.1	73.2	6.2	4.8	1.7	0.0	70.5	75.8
Norway (4)	603	70.6	15.9	70.6	7.5	2.1	3.8	0.0	70.5	70.7
Abu Dhabi, UAE	721	62.2	14.2	62.2	12.7	8.4	2.5	0.0	59.7	64.5
Dubai, UAE	1074	80.8	6.9	80.8	6.9	3.6	1.8	0.0	79.8	81.7
Florida, US	295	79.3	7.7	79.3	7.9	4.3	0.9	0.0	80.1	78.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_09 (S061048): Physical Science / Knowing Type: MC Key: A
Label: Movements due to gravity

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	56.4	56.4	3.1	24.3	9.8	6.4	0.0	57.1	55.8
Bahrain	597	53.0	53.0	7.4	13.5	16.2	9.7	0.3	53.7	52.4
Belgium (Flemish)	774	44.3	44.3	3.5	21.7	18.7	11.7	0.0	42.8	45.7
Bulgaria	595	77.4	77.4	3.1	9.6	5.9	4.0	0.0	75.5	79.6
Canada	1718	61.2	61.2	2.7	21.5	11.3	3.4	0.0	59.4	62.9
Chile	672	46.2	46.2	4.2	29.1	14.2	6.1	0.1	37.1	54.6
Chinese Taipei	614	72.4	72.4	2.6	13.3	10.2	1.6	0.0	64.7	79.8
Croatia	577	37.6	37.6	7.6	10.9	33.6	10.2	0.0	37.3	37.9
Cyprus	591	44.4	44.4	8.1	19.2	19.1	8.9	0.2	41.4	47.3
Czech Republic	741	56.0	56.0	0.7	17.3	19.0	7.1	0.0	44.7	65.9
Denmark	527	52.2	52.2	2.8	22.6	15.3	5.5	1.7	42.8	61.0
England	571	66.6	66.6	2.5	17.0	10.3	3.3	0.4	63.5	70.0
Finland	725	58.4	58.4	1.7	19.2	13.9	6.9	0.0	53.0	64.1
France	696	32.9	32.9	6.0	29.3	19.7	12.1	0.0	31.4	34.2
Georgia	563	31.4	31.4	8.6	16.6	33.9	9.4	0.0	29.6	33.1
Germany	557	41.0	41.0	3.7	23.2	14.3	17.7	0.0	36.5	45.2
Hong Kong SAR	522	57.4	57.4	9.2	9.7	21.8	1.8	0.0	49.5	64.3
Hungary	717	53.8	53.8	3.6	17.8	17.4	6.9	0.4	51.3	56.2
Indonesia	577	65.9	65.9	6.2	14.3	10.5	3.1	0.0	67.1	64.8
Iran, Islamic Rep. of	546	27.8	27.8	10.7	9.5	33.7	18.2	0.0	31.9	23.7
Ireland	622	55.3	55.3	2.0	25.9	14.1	2.2	0.6	50.0	60.1
Italy	620	38.1	38.1	4.2	32.7	19.7	5.2	0.0	33.5	42.3
Japan	630	44.5	44.5	4.0	16.3	28.9	6.3	0.0	38.9	50.7
Kazakhstan	669	60.8	60.8	5.9	12.7	19.1	1.4	0.1	55.9	65.9
Korea, Rep. of	665	73.9	73.9	2.2	6.7	16.0	1.1	0.0	68.7	78.9
Kuwait	488	36.1	36.1	8.8	15.7	14.6	24.1	0.7	39.1	34.1
Lithuania	637	36.9	36.9	9.2	11.7	31.5	10.8	0.0	32.8	41.4
Morocco	734	30.9	30.9	11.4	23.6	20.4	13.7	0.0	31.5	30.4
Netherlands	636	49.9	49.9	2.7	27.1	12.8	7.3	0.2	44.5	55.0
New Zealand	909	48.2	48.2	3.3	29.5	12.6	6.4	0.0	44.1	52.9
Northern Ireland	434	50.1	50.1	1.9	35.1	10.1	2.9	0.0	44.7	56.1
Norway	612	35.3	35.3	4.8	18.7	35.7	5.5	0.0	27.9	43.1
Oman	1305	47.7	47.7	5.2	12.9	23.3	10.5	0.4	48.2	47.3
Poland	672	55.5	55.5	1.9	28.1	9.3	5.1	0.0	47.8	62.4
Portugal	682	31.2	31.2	3.1	35.5	21.6	8.5	0.0	27.3	35.1
Qatar	734	43.1	43.1	7.9	16.5	20.5	10.6	1.4	41.7	44.4
Russian Federation	713	60.6	60.6	12.6	9.5	15.1	2.3	0.0	54.8	65.6
Saudi Arabia	578	52.0	52.0	8.7	13.5	18.2	7.4	0.2	55.9	47.8
Serbia	579	53.8	53.8	2.0	18.7	16.2	9.3	0.0	49.0	58.5
Singapore	934	66.1	66.1	2.1	19.3	11.6	0.7	0.1	61.3	70.7
Slovak Republic	829	65.9	65.9	2.1	12.2	14.8	5.0	0.0	61.5	69.7
Slovenia	614	40.2	40.2	4.2	18.0	29.1	8.4	0.2	29.4	49.9
Spain	1123	48.2	48.2	1.7	25.2	14.9	9.9	0.1	44.1	51.9
Sweden	596	54.4	54.4	2.4	14.9	22.5	5.8	0.0	49.7	59.1
Turkey	918	58.1	58.1	9.7	11.4	17.8	2.9	0.1	58.1	58.1
United Arab Emirates	3048	52.8	52.8	6.3	16.6	17.0	7.3	0.0	48.7	56.6
United States	1443	67.9	67.9	1.7	17.6	9.4	3.3	0.0	61.1	74.4
International Avg (n=47)	36173	50.9	50.9	4.9	18.8	18.0	7.2	0.2	47.2	54.5
Buenos Aires, Argentina	428	32.0	32.0	2.8	27.0	8.3	29.3	0.5	31.3	32.6
Ontario, Canada	640	68.2	68.2	2.1	15.1	11.6	3.0	0.0	69.9	66.6
Quebec, Canada	398	54.3	54.3	3.4	28.9	11.0	2.4	0.0	51.1	57.4
Norway (4)	603	32.3	32.3	5.4	25.4	31.2	5.7	0.0	25.1	38.7
Abu Dhabi, UAE	721	47.3	47.3	6.4	16.9	20.4	8.9	0.0	45.5	49.0
Dubai, UAE	1074	64.6	64.6	4.4	14.4	11.4	5.2	0.0	59.1	69.7
Florida, US	295	76.5	76.5	2.5	11.9	7.0	2.2	0.0	74.7	77.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_10 (S061096): Earth Science / Applying Type: MC Key: B
Label: Rocks on beach and in woods

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	53.4	19.6	53.4	14.8	5.9	6.3	0.0	52.4	54.2
Bahrain	597	33.6	19.1	33.6	25.5	15.6	5.8	0.4	31.4	35.6
Belgium (Flemish)	774	52.1	12.1	52.1	18.7	8.5	8.5	0.0	49.9	54.1
Bulgaria	595	59.3	17.4	59.3	13.9	6.1	3.4	0.0	59.0	59.7
Canada	1706	54.9	17.5	54.9	15.7	8.3	3.6	0.0	53.5	56.3
Chile	673	40.3	20.5	40.3	23.7	9.3	6.0	0.1	41.1	39.5
Chinese Taipei	614	70.0	15.2	70.0	10.0	2.1	2.7	0.0	71.8	68.2
Croatia	577	54.9	10.8	54.9	12.5	11.1	10.6	0.0	56.0	54.0
Cyprus	591	35.1	24.6	35.1	20.2	12.3	7.7	0.2	38.9	31.6
Czech Republic	741	51.0	17.9	51.0	16.6	8.3	6.3	0.0	51.0	50.9
Denmark	527	63.1	12.0	63.1	9.3	4.6	8.5	2.5	64.5	61.8
England	571	52.2	17.3	52.2	20.4	5.9	3.8	0.4	49.5	55.3
Finland	725	64.0	18.1	64.0	7.3	3.8	6.8	0.0	66.1	61.7
France	696	47.1	15.1	47.1	17.4	4.8	15.5	0.0	43.6	50.3
Georgia	563	29.6	27.3	29.6	23.7	12.3	7.1	0.0	30.0	29.3
Germany	557	41.0	15.3	41.0	22.2	8.9	12.5	0.0	40.3	41.9
Hong Kong SAR	522	60.4	22.6	60.4	10.4	6.5	0.1	0.0	56.8	63.6
Hungary	717	45.8	19.1	45.8	20.1	5.5	9.1	0.5	40.2	50.9
Indonesia	577	36.4	16.5	36.4	24.0	20.8	2.3	0.0	36.3	36.5
Iran, Islamic Rep. of	546	22.4	32.8	22.4	24.4	11.1	9.4	0.0	25.8	18.8
Ireland	622	55.4	14.3	55.4	17.8	6.7	5.3	0.6	51.6	58.7
Italy	620	45.8	19.4	45.8	15.5	9.7	9.7	0.0	42.0	49.3
Japan	630	45.4	17.7	45.4	18.5	12.2	6.2	0.0	46.4	44.3
Kazakhstan	668	47.5	19.7	47.5	19.5	10.1	3.0	0.1	44.5	50.7
Korea, Rep. of	665	73.8	13.5	73.8	8.8	3.6	0.2	0.0	72.7	74.8
Kuwait	488	33.4	20.9	33.4	18.6	10.8	15.4	1.0	35.3	31.7
Lithuania	637	48.7	8.9	48.7	27.0	9.8	5.6	0.0	49.9	47.3
Morocco	734	29.5	18.5	29.5	25.3	17.8	8.9	0.0	26.7	32.1
Netherlands	637	52.2	12.7	52.2	22.2	6.6	6.2	0.2	50.8	53.5
New Zealand	909	47.8	21.1	47.8	20.4	6.8	3.9	0.0	48.1	47.3
Northern Ireland	439	57.4	13.8	57.4	17.2	9.9	1.8	0.0	60.0	54.5
Norway	612	62.5	14.1	62.5	12.1	5.8	5.5	0.0	62.6	62.4
Oman	1303	43.1	20.0	43.1	18.3	13.4	4.7	0.5	44.9	41.4
Poland	672	63.7	9.7	63.7	13.6	8.6	4.4	0.0	65.6	62.1
Portugal	682	45.7	15.9	45.7	23.4	7.5	7.6	0.0	44.2	47.1
Qatar	734	36.2	21.3	36.2	22.3	10.9	7.7	1.6	35.6	36.7
Russian Federation	713	66.8	7.9	66.8	12.7	3.2	9.5	0.0	67.9	65.7
Saudi Arabia	610	30.9	25.9	30.9	22.9	15.7	4.5	0.2	30.2	31.5
Serbia	579	36.6	26.5	36.6	18.8	6.4	11.7	0.0	36.2	37.0
Singapore	934	44.6	23.2	44.6	18.2	13.3	0.6	0.1	45.1	44.1
Slovak Republic	829	42.7	19.0	42.7	15.8	15.9	6.5	0.0	41.9	43.5
Slovenia	614	54.2	20.1	54.2	11.3	5.4	8.8	0.2	52.4	55.8
Spain	1123	41.4	18.0	41.4	24.0	10.0	6.5	0.2	40.0	42.6
Sweden	596	69.6	11.8	69.6	9.3	3.4	6.0	0.0	70.2	68.7
Turkey	918	38.0	29.5	38.0	15.0	16.1	1.3	0.1	41.2	34.8
United Arab Emirates	3048	40.4	22.2	40.4	20.0	12.0	5.4	0.0	38.3	42.3
United States	1443	59.8	12.7	59.8	16.1	8.4	3.1	0.0	57.1	62.3
International Avg (n=47)	36197	48.5	18.1	48.5	17.8	9.2	6.3	0.2	48.1	48.9
Buenos Aires, Argentina	428	20.4	15.5	20.4	22.3	12.3	29.0	0.5	17.6	23.0
Ontario, Canada	637	56.6	15.1	56.6	16.9	8.5	2.8	0.0	54.5	58.6
Quebec, Canada	388	53.7	21.8	53.7	14.5	6.8	3.2	0.0	53.4	53.9
Norway (4)	603	56.5	16.0	56.5	12.7	8.6	6.3	0.0	51.2	61.2
Abu Dhabi, UAE	721	36.9	22.8	36.9	22.8	12.1	5.4	0.0	35.9	37.8
Dubai, UAE	1074	46.1	24.1	46.1	15.9	9.8	4.1	0.0	45.2	47.0
Florida, US	295	62.6	10.0	62.6	19.7	4.9	2.9	0.0	62.5	62.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_11 (S061124): Earth Science / Knowing Type: CR 1 Point
Label: Recycle products made of metal (DERIVED)

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	33.2	64.2	33.2	2.6	0.0	30.1	36.1
Bahrain	597	17.2	77.1	17.2	4.9	0.8	16.7	17.7
Belgium (Flemish)	774	23.8	73.3	23.8	2.9	0.0	18.5	28.6
Bulgaria	596	24.8	70.8	24.8	4.4	0.0	24.0	25.8
Canada	1750	25.5	70.3	25.5	4.2	0.0	21.7	29.2
Chile	673	29.0	63.6	29.0	7.2	0.2	25.0	32.8
Chinese Taipei	615	28.1	71.1	28.1	0.7	0.0	24.4	31.7
Croatia	577	37.0	61.7	37.0	1.3	0.0	27.9	44.1
Cyprus	591	22.7	68.2	22.7	8.9	0.2	20.7	24.4
Czech Republic	741	39.5	55.5	39.5	5.0	0.0	32.6	45.5
Denmark	530	41.0	51.5	41.0	4.0	3.6	34.3	47.3
England	571	26.3	72.3	26.3	1.0	0.4	23.3	29.7
Finland	727	37.4	61.3	37.4	1.3	0.0	31.1	44.1
France	699	19.3	74.0	19.3	6.7	0.0	17.5	20.9
Georgia	564	17.4	65.4	17.4	17.2	0.0	17.2	17.6
Germany	558	33.0	61.1	33.0	5.9	0.0	32.0	34.0
Hong Kong SAR	522	28.9	70.1	28.9	0.9	0.0	25.3	32.1
Hungary	717	46.2	51.6	46.2	1.6	0.6	44.5	47.8
Indonesia	578	21.2	72.4	21.2	6.4	0.0	23.3	19.1
Iran, Islamic Rep. of	546	12.1	77.5	12.1	10.5	0.0	14.4	9.6
Ireland	622	32.1	66.3	32.1	0.2	1.3	31.0	33.1
Italy	620	17.1	78.2	17.1	4.7	0.0	16.8	17.4
Japan	630	21.3	77.0	21.3	1.7	0.0	19.2	23.6
Kazakhstan	669	34.5	63.2	34.5	1.8	0.4	36.4	32.5
Korea, Rep. of	665	39.7	59.9	39.7	0.4	0.0	34.1	45.0
Kuwait	494	8.3	73.6	8.3	16.8	1.3	6.9	10.1
Lithuania	637	37.6	60.6	37.6	1.8	0.0	33.8	41.9
Morocco	735	9.3	80.5	9.3	10.3	0.0	9.3	9.2
Netherlands	638	30.6	65.4	30.6	3.8	0.2	25.7	35.3
New Zealand	911	30.7	65.0	30.7	4.3	0.0	26.6	35.2
Northern Ireland	425	30.6	69.4	30.6	0.0	0.0	27.9	33.6
Norway	613	26.8	68.9	26.8	4.3	0.0	24.6	29.1
Oman	1305	11.8	79.5	11.8	8.0	0.7	12.2	11.4
Poland	672	31.7	67.1	31.7	1.1	0.0	24.9	37.8
Portugal	682	18.9	78.0	18.9	3.1	0.0	16.1	21.8
Qatar	734	20.1	68.3	20.1	9.1	2.5	18.0	22.2
Russian Federation	712	28.9	68.1	28.9	3.0	0.0	25.9	31.5
Saudi Arabia	604	12.5	76.1	12.5	10.7	0.7	13.3	11.6
Serbia	579	29.3	64.6	29.3	6.1	0.0	27.1	31.4
Singapore	934	34.2	65.3	34.2	0.4	0.1	30.1	38.1
Slovak Republic	830	28.8	67.3	28.8	3.9	0.0	23.7	33.2
Slovenia	617	28.0	67.0	28.0	4.8	0.2	22.6	32.9
Spain	1124	14.4	80.7	14.4	4.7	0.2	13.1	15.7
Sweden	598	24.0	72.1	24.0	3.8	0.0	21.9	26.1
Turkey	918	12.1	86.1	12.1	1.7	0.1	9.8	14.4
United Arab Emirates	3050	21.3	73.1	21.3	5.6	0.0	20.0	22.6
United States	1443	27.1	69.1	27.1	3.8	0.0	23.8	30.3
International Avg (n=47)	36256	26.1	69.0	26.1	4.6	0.3	23.4	28.6
Buenos Aires, Argentina	435	8.3	61.1	8.3	29.9	0.8	6.7	9.8
Ontario, Canada	649	29.1	67.4	29.1	3.4	0.0	23.7	34.3
Quebec, Canada	409	16.3	79.1	16.3	4.6	0.0	14.6	18.0
Norway (4)	603	27.4	66.5	27.4	6.1	0.0	26.8	27.9
Abu Dhabi, UAE	721	19.0	74.0	19.0	7.0	0.0	15.1	22.6
Dubai, UAE	1075	28.9	67.7	28.9	3.4	0.0	26.9	30.8
Florida, US	295	22.9	74.2	22.9	2.9	0.0	22.0	23.6

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S14_11B (S061124B): Earth Science / Knowing Type: MC Key: A
Label: Recycle products made of metal: run out

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	65.2	65.2	31.3	3.5	0.0	67.7	62.9
Bahrain	596	47.2	47.2	45.0	7.0	0.8	48.6	45.8
Belgium (Flemish)	774	49.9	49.9	46.8	3.3	0.0	48.8	50.9
Bulgaria	595	46.1	46.1	45.7	8.2	0.0	47.0	45.1
Canada	1746	59.4	59.4	36.3	4.3	0.0	57.0	61.6
Chile	673	58.8	58.8	33.1	7.8	0.2	60.1	57.6
Chinese Taipei	614	69.7	69.7	29.6	0.7	0.0	66.9	72.3
Croatia	577	70.9	70.9	27.1	2.1	0.0	69.5	71.9
Cyprus	591	49.2	49.2	40.6	10.0	0.2	49.4	49.0
Czech Republic	741	61.6	61.6	32.5	5.9	0.0	54.0	68.3
Denmark	527	69.8	69.8	22.0	4.6	3.6	63.4	75.8
England	571	60.7	60.7	37.4	1.6	0.4	57.8	63.9
Finland	725	64.6	64.6	34.1	1.3	0.0	59.4	70.2
France	696	59.8	59.8	32.7	7.5	0.0	57.4	62.0
Georgia	563	41.2	41.2	33.4	25.5	0.0	41.3	41.1
Germany	557	59.6	59.6	34.4	6.0	0.0	58.5	60.9
Hong Kong SAR	522	72.0	72.0	26.7	1.3	0.0	69.2	74.5
Hungary	717	69.3	69.3	27.1	3.0	0.6	68.2	70.3
Indonesia	577	47.6	47.6	35.6	16.8	0.0	50.0	45.3
Iran, Islamic Rep. of	546	50.1	50.1	34.1	15.9	0.0	53.4	46.7
Ireland	622	62.9	62.9	34.6	1.2	1.3	62.2	63.6
Italy	620	47.0	47.0	44.4	8.6	0.0	42.6	51.1
Japan	630	49.9	49.9	45.6	4.5	0.0	44.2	56.2
Kazakhstan	669	62.3	62.3	32.4	4.9	0.4	62.3	62.3
Korea, Rep. of	665	65.1	65.1	34.4	0.5	0.0	57.6	72.1
Kuwait	488	41.1	41.1	38.8	18.8	1.3	42.8	39.2
Lithuania	637	62.7	62.7	35.2	2.1	0.0	60.4	65.3
Morocco	734	32.9	32.9	49.4	17.7	0.0	31.8	34.0
Netherlands	637	49.9	49.9	45.3	4.5	0.2	45.0	54.5
New Zealand	909	65.6	65.6	29.2	5.2	0.0	66.4	64.7
Northern Ireland	430	67.9	67.9	31.5	0.6	0.0	67.4	68.4
Norway	612	63.4	63.4	31.7	4.9	0.0	60.6	66.4
Oman	1305	38.2	38.2	48.5	12.6	0.7	39.5	36.9
Poland	672	62.7	62.7	35.3	1.9	0.0	58.0	66.9
Portugal	682	55.7	55.7	40.2	4.1	0.0	57.5	54.0
Qatar	734	47.7	47.7	38.3	11.6	2.5	46.1	49.1
Russian Federation	713	48.5	48.5	46.3	5.1	0.0	44.7	52.0
Saudi Arabia	609	40.6	40.6	42.1	16.6	0.7	37.7	43.8
Serbia	579	59.5	59.5	31.8	8.7	0.0	56.3	62.5
Singapore	934	71.7	71.7	27.6	0.6	0.1	70.8	72.6
Slovak Republic	829	52.6	52.6	39.9	7.5	0.0	50.1	54.8
Slovenia	614	56.0	56.0	39.0	4.9	0.2	54.6	57.2
Spain	1123	54.0	54.0	40.4	5.3	0.2	51.5	56.4
Sweden	596	54.4	54.4	39.1	6.5	0.0	51.5	57.5
Turkey	918	69.0	69.0	28.2	2.6	0.1	67.7	70.3
United Arab Emirates	3048	52.8	52.8	38.5	8.7	0.0	52.0	53.6
United States	1443	63.1	63.1	32.5	4.4	0.0	61.0	65.1
International Avg (n=47)	36229	56.8	56.8	36.3	6.6	0.3	55.1	58.4
Buenos Aires, Argentina	427	24.6	24.6	44.1	30.6	0.8	22.1	26.9
Ontario, Canada	647	61.1	61.1	35.6	3.3	0.0	58.8	63.3
Quebec, Canada	406	51.2	51.2	43.8	5.0	0.0	52.3	50.1
Norway (4)	603	57.8	57.8	35.8	6.4	0.0	56.8	58.7
Abu Dhabi, UAE	721	49.4	49.4	38.4	12.2	0.0	47.7	51.0
Dubai, UAE	1074	60.3	60.3	34.6	5.1	0.0	61.4	59.3
Florida, US	295	61.9	61.9	34.9	3.2	0.0	62.2	61.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_11C (S061124C): Earth Science / Knowing Type: MC Key: B
Label: Recycle products made of metal: plastic

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	868	78.8	17.6	78.8	3.7	0.0	78.0	79.5
Bahrain	596	59.4	33.1	59.4	6.7	0.8	63.3	55.5
Belgium (Flemish)	774	62.3	33.8	62.3	3.8	0.0	54.7	69.3
Bulgaria	595	71.2	22.4	71.2	6.4	0.0	68.6	74.1
Canada	1747	68.3	27.2	68.3	4.5	0.0	63.2	73.1
Chile	672	63.4	27.7	63.4	8.6	0.2	58.4	68.1
Chinese Taipei	614	86.7	12.6	86.7	0.7	0.0	86.5	86.9
Croatia	577	81.1	17.0	81.1	2.0	0.0	77.6	83.8
Cyprus	591	68.3	20.6	68.3	11.0	0.2	66.7	69.7
Czech Republic	741	80.7	13.4	80.7	5.9	0.0	77.7	83.3
Denmark	527	82.4	9.2	82.4	4.8	3.6	81.0	83.6
England	571	74.4	23.3	74.4	1.9	0.4	70.6	78.6
Finland	725	85.5	12.2	85.5	2.3	0.0	86.4	84.5
France	696	60.6	31.2	60.6	8.1	0.0	60.7	60.6
Georgia	563	53.2	21.6	53.2	25.2	0.0	53.5	52.9
Germany	557	80.4	13.0	80.4	6.7	0.0	81.3	79.5
Hong Kong SAR	522	87.5	11.6	87.5	0.9	0.0	89.3	85.9
Hungary	717	80.6	15.2	80.6	3.7	0.6	79.7	81.3
Indonesia	577	55.0	28.8	55.0	16.2	0.0	54.5	55.4
Iran, Islamic Rep. of	546	51.5	34.4	51.5	14.1	0.0	56.4	46.6
Ireland	622	80.9	16.5	80.9	1.3	1.3	78.7	82.9
Italy	620	66.7	26.7	66.7	6.6	0.0	62.8	70.4
Japan	630	72.3	25.3	72.3	2.4	0.0	70.6	74.1
Kazakhstan	669	66.8	27.2	66.8	5.6	0.4	68.5	65.1
Korea, Rep. of	665	79.8	19.7	79.8	0.6	0.0	76.1	83.2
Kuwait	488	39.1	39.7	39.1	19.8	1.3	37.4	40.8
Lithuania	637	81.4	15.4	81.4	3.1	0.0	80.4	82.6
Morocco	734	42.9	40.4	42.9	16.7	0.0	38.8	46.7
Netherlands	637	70.3	25.0	70.3	4.5	0.2	65.7	74.7
New Zealand	909	74.4	20.2	74.4	5.4	0.0	73.7	75.1
Northern Ireland	432	74.0	26.0	74.0	0.0	0.0	70.1	78.2
Norway	612	79.1	15.7	79.1	5.2	0.0	77.2	81.2
Oman	1304	57.1	29.6	57.1	12.5	0.7	57.1	57.1
Poland	672	77.1	20.8	77.1	2.1	0.0	73.2	80.4
Portugal	682	59.4	36.3	59.4	4.3	0.0	54.5	64.4
Qatar	734	63.7	22.5	63.7	11.3	2.5	63.3	64.1
Russian Federation	713	77.8	16.1	77.8	6.1	0.0	75.3	80.0
Saudi Arabia	608	50.7	31.1	50.7	17.5	0.7	51.3	50.1
Serbia	579	79.3	11.0	79.3	9.7	0.0	81.2	77.5
Singapore	934	81.0	18.3	81.0	0.6	0.1	79.2	82.7
Slovak Republic	829	74.8	18.3	74.8	6.8	0.0	73.3	76.1
Slovenia	614	81.3	12.6	81.3	5.9	0.2	80.5	82.1
Spain	1123	67.4	27.1	67.4	5.3	0.2	64.4	70.2
Sweden	596	78.1	16.6	78.1	5.3	0.0	74.9	81.3
Turkey	918	52.9	43.4	52.9	3.5	0.1	49.6	56.3
United Arab Emirates	3048	63.5	27.8	63.5	8.7	0.0	61.1	65.6
United States	1443	74.5	21.0	74.5	4.4	0.0	71.1	77.7
International Avg (n=47)	36228	70.2	22.9	70.2	6.6	0.3	68.5	71.8
Buenos Aires, Argentina	427	47.9	20.4	47.9	30.9	0.8	49.6	46.4
Ontario, Canada	647	71.9	24.9	71.9	3.3	0.0	65.5	77.9
Quebec, Canada	406	59.6	35.1	59.6	5.2	0.0	58.7	60.5
Norway (4)	603	75.7	17.5	75.7	6.9	0.0	76.7	74.7
Abu Dhabi, UAE	721	59.5	28.4	59.5	12.1	0.0	59.1	59.9
Dubai, UAE	1074	75.5	19.6	75.5	4.9	0.0	73.1	77.6
Florida, US	295	70.0	26.1	70.0	3.8	0.0	71.6	68.7

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_11D (S061124D): Earth Science / Knowing Type: MC Key: A
Label: Recycle products made of metal: garbage

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	75.1	75.1	20.6	4.3	0.0	70.2	79.7
Bahrain	596	67.1	67.1	24.8	7.3	0.8	71.5	62.8
Belgium (Flemish)	774	81.6	81.6	14.8	3.6	0.0	80.3	82.8
Bulgaria	595	74.7	74.7	18.4	6.9	0.0	73.2	76.5
Canada	1748	66.3	66.3	28.9	4.8	0.0	63.8	68.6
Chile	673	71.5	71.5	18.7	9.5	0.2	72.7	70.5
Chinese Taipei	614	74.7	74.7	24.1	1.2	0.0	76.3	73.2
Croatia	577	88.6	88.6	9.1	2.3	0.0	86.9	89.9
Cyprus	591	71.3	71.3	17.9	10.6	0.2	69.7	72.8
Czech Republic	741	79.4	79.4	14.5	6.1	0.0	77.6	80.9
Denmark	527	72.1	72.1	19.9	4.4	3.6	73.1	71.2
England	571	67.4	67.4	30.0	2.2	0.4	65.3	69.7
Finland	725	76.8	76.8	21.0	2.2	0.0	74.1	79.6
France	696	61.4	61.4	29.0	9.6	0.0	60.7	62.0
Georgia	563	59.7	59.7	13.7	26.5	0.0	62.2	57.5
Germany	557	75.1	75.1	18.6	6.4	0.0	75.8	74.3
Hong Kong SAR	522	85.4	85.4	13.5	1.1	0.0	86.9	84.1
Hungary	717	85.7	85.7	11.0	2.7	0.6	88.4	83.2
Indonesia	577	61.7	61.7	19.6	18.7	0.0	63.4	60.0
Iran, Islamic Rep. of	546	54.3	54.3	28.6	17.0	0.0	57.8	50.8
Ireland	622	74.7	74.7	23.2	0.8	1.3	74.5	74.8
Italy	620	67.5	67.5	23.6	9.0	0.0	65.7	69.1
Japan	630	65.0	65.0	32.3	2.7	0.0	66.0	63.8
Kazakhstan	669	70.3	70.3	22.4	6.9	0.4	71.3	69.3
Korea, Rep. of	665	72.6	72.6	26.3	1.1	0.0	73.5	71.7
Kuwait	488	53.3	53.3	25.4	19.9	1.3	56.7	50.2
Lithuania	637	83.2	83.2	13.9	2.9	0.0	83.2	83.1
Morocco	734	46.9	46.9	35.1	18.0	0.0	49.4	44.6
Netherlands	637	76.3	76.3	19.0	4.5	0.2	74.0	78.5
New Zealand	909	70.6	70.6	23.5	5.9	0.0	68.5	72.9
Northern Ireland	431	74.7	74.7	25.3	0.0	0.0	74.1	75.4
Norway	612	63.7	63.7	31.8	4.5	0.0	62.7	64.8
Oman	1305	53.8	53.8	32.4	13.1	0.7	53.7	54.0
Poland	672	78.9	78.9	19.2	1.9	0.0	76.8	80.7
Portugal	682	69.7	69.7	26.1	4.2	0.0	65.9	73.5
Qatar	734	63.4	63.4	22.3	11.8	2.5	64.3	62.5
Russian Federation	713	79.8	79.8	15.1	5.1	0.0	78.8	80.8
Saudi Arabia	610	56.2	56.2	24.5	18.5	0.7	61.5	50.7
Serbia	579	79.8	79.8	11.2	9.0	0.0	79.9	79.7
Singapore	934	75.5	75.5	23.7	0.7	0.1	74.1	76.9
Slovak Republic	829	78.1	78.1	14.5	7.3	0.0	81.7	75.0
Slovenia	614	78.9	78.9	14.3	6.6	0.2	73.3	83.9
Spain	1123	73.6	73.6	21.0	5.2	0.2	72.7	74.4
Sweden	596	59.4	59.4	35.4	5.1	0.0	57.4	61.7
Turkey	918	64.4	64.4	31.3	4.2	0.1	64.7	64.1
United Arab Emirates	3048	66.7	66.7	24.0	9.3	0.0	63.9	69.3
United States	1443	72.4	72.4	22.9	4.7	0.0	73.0	71.8
International Avg (n=47)	36233	70.6	70.6	22.1	7.0	0.3	70.4	70.8
Buenos Aires, Argentina	427	49.3	49.3	16.9	33.0	0.8	49.0	49.6
Ontario, Canada	647	70.1	70.1	26.2	3.7	0.0	68.1	72.0
Quebec, Canada	406	61.0	61.0	34.1	4.9	0.0	59.3	62.7
Norway (4)	603	60.8	60.8	31.0	8.1	0.0	59.5	62.0
Abu Dhabi, UAE	721	60.1	60.1	26.4	13.5	0.0	55.7	64.1
Dubai, UAE	1074	74.8	74.8	20.0	5.2	0.0	72.9	76.6
Florida, US	295	73.5	73.5	23.0	3.5	0.0	72.9	74.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

SI4_11E (S061124E): Earth Science / Knowing Type: MC Key: A
Label: Recycle products made of metal: expensive

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	65.4	65.4	30.8	3.8	0.0	61.0	69.5
Bahrain	596	50.8	50.8	40.1	8.4	0.8	49.2	52.2
Belgium (Flemish)	774	65.9	65.9	30.4	3.7	0.0	61.5	69.9
Bulgaria	595	72.2	72.2	19.6	8.2	0.0	72.7	71.6
Canada	1747	64.0	64.0	31.5	4.6	0.0	59.7	67.9
Chile	673	64.4	64.4	25.8	9.6	0.2	58.0	70.3
Chinese Taipei	614	59.3	59.3	39.7	1.0	0.0	56.5	62.0
Croatia	577	62.9	62.9	34.1	3.0	0.0	55.0	69.1
Cyprus	591	58.9	58.9	29.5	11.4	0.2	54.4	63.1
Czech Republic	741	73.6	73.6	20.8	5.7	0.0	69.2	77.4
Denmark	527	73.5	73.5	18.3	4.7	3.6	72.0	74.8
England	571	61.4	61.4	36.0	2.2	0.4	59.8	63.2
Finland	725	76.1	76.1	21.9	2.0	0.0	74.0	78.4
France	696	55.2	55.2	35.5	9.4	0.0	52.9	57.2
Georgia	563	42.0	42.0	28.7	29.2	0.0	44.8	39.5
Germany	557	65.2	65.2	28.5	6.3	0.0	63.9	66.3
Hong Kong SAR	522	49.4	49.4	49.2	1.4	0.0	43.4	54.6
Hungary	717	74.5	74.5	20.8	4.1	0.6	74.1	74.9
Indonesia	577	58.0	58.0	21.0	21.0	0.0	57.8	58.3
Iran, Islamic Rep. of	546	45.7	45.7	37.1	17.2	0.0	45.6	45.8
Ireland	622	66.8	66.8	30.4	1.4	1.3	57.8	74.9
Italy	620	50.0	50.0	43.2	6.9	0.0	49.2	50.7
Japan	630	59.7	59.7	37.5	2.9	0.0	57.4	62.2
Kazakhstan	669	71.3	71.3	22.1	6.1	0.4	70.7	72.0
Korea, Rep. of	665	82.1	82.1	17.2	0.7	0.0	78.8	85.1
Kuwait	488	40.8	40.8	39.1	18.8	1.3	39.7	42.6
Lithuania	637	72.5	72.5	24.3	3.2	0.0	69.7	75.6
Morocco	734	47.7	47.7	34.4	17.8	0.0	46.6	48.8
Netherlands	637	74.2	74.2	20.9	4.7	0.2	72.9	75.4
New Zealand	909	62.2	62.2	32.4	5.3	0.0	59.2	65.5
Northern Ireland	432	66.7	66.7	33.3	0.0	0.0	60.3	73.4
Norway	612	73.4	73.4	21.3	5.2	0.0	72.9	74.1
Oman	1304	51.8	51.8	33.0	14.4	0.7	52.4	51.2
Poland	672	66.9	66.9	30.9	2.2	0.0	62.8	70.6
Portugal	682	51.1	51.1	43.4	5.5	0.0	45.1	57.2
Qatar	734	50.7	50.7	35.8	11.1	2.5	49.1	52.1
Russian Federation	712	75.4	75.4	18.4	6.2	0.0	69.9	80.3
Saudi Arabia	610	48.1	48.1	31.9	19.2	0.7	51.2	44.8
Serbia	579	56.4	56.4	34.4	9.2	0.0	54.6	58.0
Singapore	934	62.9	62.9	36.5	0.5	0.1	57.1	68.3
Slovak Republic	829	59.7	59.7	31.8	8.4	0.0	52.7	65.8
Slovenia	614	61.2	61.2	32.0	6.6	0.2	59.1	63.1
Spain	1123	43.5	43.5	51.1	5.2	0.2	39.5	47.1
Sweden	596	79.7	79.7	14.6	5.7	0.0	76.9	82.8
Turkey	918	35.7	35.7	60.3	3.9	0.1	31.5	39.8
United Arab Emirates	3048	54.8	54.8	35.5	9.7	0.0	53.9	55.6
United States	1443	55.9	55.9	39.2	4.9	0.0	49.6	61.8
International Avg (n=47)	36231	60.8	60.8	31.6	7.3	0.3	58.0	63.5
Buenos Aires, Argentina	427	43.0	43.0	22.5	33.7	0.8	43.2	42.9
Ontario, Canada	646	66.3	66.3	30.1	3.6	0.0	59.4	72.8
Quebec, Canada	406	58.0	58.0	36.8	5.2	0.0	56.3	59.8
Norway (4)	603	66.2	66.2	26.7	7.1	0.0	65.0	67.2
Abu Dhabi, UAE	721	54.6	54.6	31.4	14.0	0.0	51.9	57.2
Dubai, UAE	1074	58.5	58.5	35.8	5.7	0.0	56.1	60.8
Florida, US	295	48.6	48.6	47.6	3.9	0.0	42.2	53.6

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_12 (S061116): Earth Science / Applying Type: CR 1 Point
Label: Temperature graphs (DERIVED)

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	870	53.8	43.1	53.8	3.1	0.0	56.6	51.2
Bahrain	598	20.1	70.9	20.1	7.9	1.1	19.8	20.4
Belgium (Flemish)	774	62.9	32.6	62.9	4.5	0.0	64.2	61.8
Bulgaria	596	44.8	46.1	44.8	9.1	0.0	41.5	48.6
Canada	1750	55.1	39.1	55.1	5.8	0.0	53.8	56.4
Chile	674	25.9	64.0	25.9	9.8	0.2	24.5	27.2
Chinese Taipei	615	72.8	26.5	72.8	0.7	0.0	70.4	75.0
Croatia	577	50.8	45.5	50.8	3.7	0.0	46.9	53.9
Cyprus	591	25.6	62.2	25.6	11.8	0.3	23.9	27.2
Czech Republic	741	50.6	42.8	50.6	6.5	0.0	52.6	48.9
Denmark	530	59.1	30.6	59.1	5.8	4.5	53.6	64.3
England	571	60.4	36.9	60.4	2.3	0.4	60.6	60.3
Finland	727	65.2	31.8	65.2	2.9	0.0	61.6	69.1
France	699	52.1	35.8	52.1	12.1	0.0	50.9	53.2
Georgia	564	18.3	65.3	18.3	16.3	0.0	19.9	16.9
Germany	558	47.5	45.2	47.5	7.3	0.0	49.2	45.7
Hong Kong SAR	522	70.2	27.6	70.2	2.2	0.0	69.7	70.6
Hungary	717	50.3	46.5	50.3	2.3	0.9	47.6	52.8
Indonesia	578	12.0	81.1	12.0	6.8	0.1	11.4	12.6
Iran, Islamic Rep. of	545	20.5	64.6	20.5	14.0	0.9	16.8	24.3
Ireland	622	59.0	38.8	59.0	0.7	1.4	61.1	57.1
Italy	620	56.0	38.6	56.0	5.4	0.0	50.7	60.9
Japan	630	78.4	20.6	78.4	1.0	0.0	76.6	80.4
Kazakhstan	669	36.9	59.1	36.9	3.6	0.4	34.0	39.8
Korea, Rep. of	665	65.9	33.5	65.9	0.6	0.0	60.5	71.0
Kuwait	493	16.7	61.2	16.7	20.1	2.0	16.8	15.8
Lithuania	637	42.5	54.5	42.5	3.1	0.0	43.6	41.2
Morocco	735	16.5	70.6	16.5	12.5	0.5	18.7	14.4
Netherlands	638	63.8	32.3	63.8	3.2	0.6	62.2	65.4
New Zealand	911	53.5	40.7	53.5	5.8	0.0	56.2	50.5
Northern Ireland	425	66.5	33.5	66.5	0.0	0.0	66.0	67.0
Norway	613	60.8	33.8	60.8	5.4	0.0	58.6	63.2
Oman	1305	21.1	68.0	21.1	9.5	1.4	21.3	20.9
Poland	672	59.7	38.3	59.7	2.0	0.0	60.9	58.6
Portugal	682	49.8	44.7	49.8	5.5	0.0	49.4	50.1
Qatar	734	25.7	60.7	25.7	10.3	3.3	25.5	25.9
Russian Federation	713	60.9	34.8	60.9	4.2	0.0	63.0	59.1
Saudi Arabia	598	24.7	61.7	24.7	12.0	1.6	28.0	21.2
Serbia	579	45.2	43.1	45.2	11.7	0.1	44.0	46.2
Singapore	934	59.9	39.4	59.9	0.5	0.2	58.2	61.4
Slovak Republic	830	53.8	39.5	53.8	6.6	0.0	53.1	54.4
Slovenia	617	49.1	46.2	49.1	4.6	0.2	48.2	49.9
Spain	1124	49.4	42.6	49.4	7.7	0.3	49.0	49.7
Sweden	598	62.4	31.6	62.4	6.0	0.0	66.8	57.9
Turkey	918	29.4	67.0	29.4	3.2	0.4	26.5	32.2
United Arab Emirates	3050	32.4	60.6	32.4	7.0	0.0	30.0	34.6
United States	1443	53.6	41.9	53.6	4.4	0.0	52.7	54.4
International Avg (n=47)	36252	47.1	46.3	47.1	6.2	0.4	46.3	47.7
Buenos Aires, Argentina	436	21.1	33.0	21.1	44.7	1.2	21.7	20.5
Ontario, Canada	648	62.2	33.3	62.2	4.5	0.0	61.6	63.0
Quebec, Canada	408	51.7	41.6	51.7	6.7	0.0	49.1	54.4
Norway (4)	603	42.5	49.6	42.5	7.9	0.0	42.7	42.2
Abu Dhabi, UAE	721	25.5	67.6	25.5	6.9	0.0	23.5	27.4
Dubai, UAE	1075	44.7	50.8	44.7	4.5	0.0	37.5	51.3
Florida, US	295	50.1	46.1	50.1	3.8	0.0	48.5	51.4

V1 = Percent scoring 1 pt or better; V2 = Percent scoring 2 pts; Percent right for boys and girls corresponds to percent obtaining full credit.
Because of missing gender information, some totals may appear inconsistent.

S14_12B (S061116B): Earth Science / Applying Type: MC Key: A
Label: Temperature graphs: June

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	75.6	75.6	20.8	3.6	0.0	78.3	73.1
Bahrain	597	43.8	43.8	45.1	9.9	1.1	40.4	47.1
Belgium (Flemish)	774	86.1	86.1	8.9	5.0	0.0	86.8	85.5
Bulgaria	595	73.6	73.6	16.0	10.4	0.0	74.0	73.1
Canada	1745	68.5	68.5	25.6	5.9	0.0	67.8	69.3
Chile	673	55.8	55.8	34.1	9.9	0.2	54.5	57.1
Chinese Taipei	614	87.7	87.7	11.7	0.6	0.0	88.5	87.0
Croatia	577	79.3	79.3	16.7	4.0	0.0	82.4	76.9
Cyprus	591	50.3	50.3	36.1	13.3	0.3	48.5	51.9
Czech Republic	741	76.2	76.2	16.9	6.8	0.0	77.7	74.9
Denmark	527	79.4	79.4	10.6	5.5	4.5	75.0	83.5
England	571	74.9	74.9	22.3	2.5	0.4	75.3	74.4
Finland	725	81.8	81.8	15.3	2.9	0.0	78.9	85.0
France	696	70.8	70.8	16.8	12.4	0.0	72.2	69.5
Georgia	563	42.9	42.9	33.8	23.3	0.0	43.3	42.5
Germany	557	77.4	77.4	14.9	7.6	0.0	79.0	75.9
Hong Kong SAR	522	86.6	86.6	10.8	2.6	0.0	88.3	85.1
Hungary	717	83.2	83.2	12.7	3.1	0.9	84.1	82.5
Indonesia	577	34.0	34.0	51.2	14.7	0.1	33.0	34.9
Iran, Islamic Rep. of	545	56.7	56.7	23.9	18.6	0.9	57.3	56.0
Ireland	622	77.3	77.3	19.6	1.7	1.4	80.3	74.7
Italy	620	71.1	71.1	22.3	6.5	0.0	66.8	75.2
Japan	630	92.9	92.9	5.6	1.5	0.0	92.8	93.0
Kazakhstan	669	63.7	63.7	29.3	6.5	0.4	59.5	68.0
Korea, Rep. of	665	92.2	92.2	7.1	0.6	0.0	91.1	93.3
Kuwait	488	40.8	40.8	36.2	21.0	2.0	39.2	42.4
Lithuania	637	81.5	81.5	15.1	3.4	0.0	82.3	80.6
Morocco	734	36.1	36.1	43.8	19.6	0.5	34.8	37.3
Netherlands	637	79.5	79.5	16.6	3.4	0.6	79.4	79.6
New Zealand	909	75.4	75.4	17.5	7.0	0.0	76.6	74.1
Northern Ireland	434	82.1	82.1	17.9	0.0	0.0	81.7	82.6
Norway	612	81.3	81.3	13.0	5.7	0.0	80.7	81.9
Oman	1305	42.1	42.1	43.0	13.5	1.4	42.3	41.9
Poland	672	82.8	82.8	15.1	2.0	0.0	84.2	81.6
Portugal	682	71.2	71.2	22.1	6.7	0.0	70.6	71.8
Qatar	734	48.9	48.9	35.6	12.1	3.3	48.8	49.0
Russian Federation	713	83.8	83.8	10.7	5.5	0.0	86.4	81.5
Saudi Arabia	606	51.9	51.9	31.1	15.4	1.5	54.1	49.6
Serbia	579	72.7	72.7	14.1	13.1	0.1	72.7	72.7
Singapore	934	83.3	83.3	16.0	0.5	0.2	83.3	83.3
Slovak Republic	829	76.7	76.7	14.0	9.3	0.0	77.8	75.8
Slovenia	614	80.6	80.6	14.9	4.3	0.2	79.3	81.9
Spain	1123	64.4	64.4	27.6	7.7	0.3	63.0	65.7
Sweden	596	78.8	78.8	14.4	6.7	0.0	80.3	77.2
Turkey	918	75.7	75.7	19.1	4.8	0.4	77.5	73.9
United Arab Emirates	3048	56.7	56.7	33.6	9.8	0.0	52.0	61.0
United States	1443	70.1	70.1	25.0	4.9	0.0	69.6	70.6
International Avg (n=47)	36229	70.2	70.2	21.8	7.6	0.4	70.1	70.3
Buenos Aires, Argentina	428	36.9	36.9	17.4	44.4	1.3	37.3	36.5
Ontario, Canada	645	72.6	72.6	23.0	4.3	0.0	73.5	71.8
Quebec, Canada	405	67.1	67.1	26.1	6.9	0.0	65.9	68.2
Norway (4)	603	66.2	66.2	24.6	9.2	0.0	62.1	69.9
Abu Dhabi, UAE	721	49.5	49.5	39.4	11.1	0.0	44.0	54.5
Dubai, UAE	1074	69.6	69.6	24.9	5.5	0.0	64.1	74.7
Florida, US	295	69.6	69.6	25.9	4.5	0.0	66.5	72.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_12C (S061116C): Earth Science / Applying Type: MC Key: B
Label: Temperature graphs: tropical

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	73.4	21.7	73.4	4.9	0.0	73.8	73.0
Bahrain	597	47.8	40.5	47.8	10.7	1.1	47.8	47.7
Belgium (Flemish)	774	82.3	12.6	82.3	5.1	0.0	82.5	82.0
Bulgaria	595	65.1	22.3	65.1	12.7	0.0	65.6	64.5
Canada	1747	77.8	16.1	77.8	6.0	0.0	74.9	80.6
Chile	673	56.6	32.3	56.6	10.9	0.2	58.1	55.2
Chinese Taipei	614	89.9	9.3	89.9	0.8	0.0	90.1	89.7
Croatia	577	76.1	18.9	76.1	5.0	0.0	79.4	73.5
Cyprus	591	48.9	37.3	48.9	13.4	0.3	48.5	49.3
Czech Republic	741	77.7	13.9	77.7	8.4	0.0	80.0	75.6
Denmark	527	76.9	12.3	76.9	6.2	4.5	72.9	80.7
England	571	81.5	15.1	81.5	3.0	0.4	82.2	80.8
Finland	725	87.4	9.1	87.4	3.4	0.0	86.9	88.0
France	696	72.0	13.3	72.0	14.8	0.0	73.9	70.2
Georgia	563	40.7	32.8	40.7	26.4	0.0	41.4	40.1
Germany	557	72.0	19.6	72.0	8.4	0.0	74.5	69.4
Hong Kong SAR	522	90.6	7.0	90.6	2.4	0.0	93.2	88.4
Hungary	717	82.6	12.9	82.6	3.5	0.9	82.0	83.2
Indonesia	577	38.8	41.2	38.8	19.8	0.1	40.4	37.3
Iran, Islamic Rep. of	545	42.2	35.8	42.2	21.1	0.9	38.6	45.9
Ireland	622	80.3	16.2	80.3	2.0	1.4	83.8	77.1
Italy	620	71.2	22.2	71.2	6.6	0.0	68.7	73.4
Japan	630	94.7	3.7	94.7	1.6	0.0	95.2	94.0
Kazakhstan	669	58.3	33.5	58.3	7.8	0.4	56.8	59.9
Korea, Rep. of	665	92.5	6.7	92.5	0.8	0.0	92.9	92.1
Kuwait	488	37.0	37.6	37.0	23.3	2.2	34.5	39.4
Lithuania	637	75.3	19.4	75.3	5.3	0.0	79.2	71.0
Morocco	734	40.0	36.4	40.0	23.1	0.5	37.9	42.0
Netherlands	637	86.4	9.7	86.4	3.4	0.6	88.9	84.0
New Zealand	909	75.9	16.5	75.9	7.6	0.0	78.0	73.5
Northern Ireland	429	87.0	12.7	87.0	0.3	0.0	86.8	87.3
Norway	612	79.3	14.6	79.3	6.2	0.0	78.7	79.8
Oman	1304	46.2	38.0	46.2	14.4	1.4	44.9	47.3
Poland	672	84.5	12.9	84.5	2.6	0.0	85.7	83.6
Portugal	682	71.7	21.9	71.7	6.5	0.0	71.5	71.8
Qatar	734	48.4	34.7	48.4	13.6	3.3	48.3	48.4
Russian Federation	713	80.9	12.6	80.9	6.5	0.0	82.1	79.7
Saudi Arabia	608	48.0	31.0	48.0	19.5	1.5	51.6	44.1
Serbia	579	75.0	12.0	75.0	13.0	0.1	77.4	72.7
Singapore	934	75.7	23.4	75.7	0.7	0.2	75.3	76.1
Slovak Republic	829	74.7	14.6	74.7	10.7	0.0	75.8	73.7
Slovenia	614	73.3	19.5	73.3	7.0	0.2	74.5	72.2
Spain	1123	70.3	19.9	70.3	9.5	0.3	69.0	71.4
Sweden	596	77.5	12.6	77.5	9.8	0.0	80.0	75.1
Turkey	918	64.9	28.9	64.9	5.8	0.4	64.6	65.1
United Arab Emirates	3048	52.6	37.3	52.6	10.1	0.0	50.1	54.9
United States	1443	77.0	17.9	77.0	5.0	0.0	76.4	77.7
International Avg (n=47)	36227	69.8	21.1	69.8	8.7	0.4	70.1	69.4
Buenos Aires, Argentina	428	34.9	19.0	34.9	44.8	1.3	33.7	36.0
Ontario, Canada	647	81.1	14.4	81.1	4.5	0.0	80.9	81.2
Quebec, Canada	406	76.6	16.7	76.6	6.7	0.0	71.7	81.5
Norway (4)	603	64.6	23.3	64.6	12.1	0.0	63.0	65.9
Abu Dhabi, UAE	721	47.4	41.2	47.4	11.3	0.0	43.8	50.8
Dubai, UAE	1074	62.9	31.3	62.9	5.9	0.0	58.3	67.1
Florida, US	295	72.6	22.9	72.6	4.5	0.0	70.5	74.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_12D (S061116D): Earth Science / Applying Type: MC Key: A
Label: Temperature graphs: November

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	81.4	81.4	13.2	5.4	0.0	85.0	78.0
Bahrain	597	51.9	51.9	36.7	10.3	1.1	46.2	57.4
Belgium (Flemish)	774	88.9	88.9	6.1	5.0	0.0	89.1	88.6
Bulgaria	595	75.2	75.2	12.9	11.9	0.0	72.5	78.3
Canada	1748	81.2	81.2	12.9	5.9	0.0	79.3	82.9
Chile	673	67.7	67.7	21.0	11.1	0.2	68.3	67.1
Chinese Taipei	614	91.4	91.4	7.5	1.0	0.0	90.4	92.4
Croatia	577	81.0	81.0	15.3	3.7	0.0	77.9	83.4
Cyprus	591	68.7	68.7	17.4	13.6	0.3	69.5	68.1
Czech Republic	741	83.1	83.1	9.8	7.1	0.0	83.8	82.4
Denmark	527	84.5	84.5	5.1	5.9	4.5	80.4	88.3
England	571	86.3	86.3	10.2	3.1	0.4	85.6	87.2
Finland	725	89.2	89.2	7.6	3.1	0.0	89.7	88.7
France	696	75.9	75.9	10.5	13.6	0.0	79.6	72.6
Georgia	563	47.9	47.9	28.5	23.7	0.0	50.8	45.1
Germany	557	73.3	73.3	19.4	7.3	0.0	74.8	71.8
Hong Kong SAR	522	90.4	90.4	7.4	2.2	0.0	90.3	90.5
Hungary	717	84.1	84.1	11.7	3.3	0.9	79.9	88.0
Indonesia	577	38.9	38.9	41.5	19.5	0.1	38.1	39.6
Iran, Islamic Rep. of	545	43.6	43.6	36.4	19.2	0.9	38.5	48.8
Ireland	622	87.4	87.4	9.4	1.7	1.4	87.5	87.3
Italy	620	77.0	77.0	17.1	5.9	0.0	72.3	81.2
Japan	630	96.1	96.1	2.7	1.2	0.0	96.8	95.3
Kazakhstan	669	70.7	70.7	21.7	7.1	0.4	68.7	72.9
Korea, Rep. of	665	89.8	89.8	9.3	0.9	0.0	90.4	89.3
Kuwait	487	46.0	46.0	28.4	23.6	2.0	46.3	45.1
Lithuania	637	82.3	82.3	14.3	3.4	0.0	83.4	81.2
Morocco	734	45.2	45.2	31.3	23.0	0.5	44.8	45.5
Netherlands	637	92.4	92.4	3.4	3.6	0.6	94.0	90.9
New Zealand	909	77.1	77.1	15.9	7.0	0.0	76.8	77.5
Northern Ireland	430	91.9	91.9	7.6	0.5	0.0	91.9	91.8
Norway	612	83.9	83.9	10.2	5.9	0.0	82.2	85.8
Oman	1304	50.0	50.0	33.1	15.4	1.4	46.8	53.0
Poland	672	89.0	89.0	8.3	2.8	0.0	92.0	86.3
Portugal	682	78.9	78.9	14.7	6.4	0.0	77.4	80.4
Qatar	734	57.1	57.1	27.3	12.2	3.3	57.5	56.8
Russian Federation	713	84.0	84.0	10.1	5.9	0.0	83.3	84.5
Saudi Arabia	603	49.6	49.6	28.5	20.2	1.7	51.6	47.5
Serbia	579	77.1	77.1	9.4	13.4	0.1	76.8	77.4
Singapore	934	87.4	87.4	11.8	0.6	0.2	87.4	87.4
Slovak Republic	829	77.4	77.4	13.2	9.3	0.0	78.0	76.9
Slovenia	614	80.3	80.3	14.3	5.2	0.2	80.5	80.1
Spain	1123	74.0	74.0	17.3	8.4	0.3	73.0	74.9
Sweden	596	83.0	83.0	9.7	7.3	0.0	82.0	84.2
Turkey	918	60.5	60.5	34.1	5.0	0.4	57.0	63.9
United Arab Emirates	3048	63.2	63.2	26.0	10.7	0.0	61.7	64.7
United States	1443	82.2	82.2	12.6	5.3	0.0	81.3	82.9
International Avg (n=47)	36223	74.8	74.8	16.4	8.3	0.4	74.3	75.4
Buenos Aires, Argentina	428	39.3	39.3	14.1	45.3	1.3	36.3	42.1
Ontario, Canada	647	85.4	85.4	10.3	4.3	0.0	84.2	86.6
Quebec, Canada	406	80.5	80.5	12.9	6.6	0.0	77.3	83.7
Norway (4)	603	73.2	73.2	17.1	9.7	0.0	70.5	75.6
Abu Dhabi, UAE	721	56.2	56.2	31.2	12.6	0.0	56.2	56.2
Dubai, UAE	1074	73.7	73.7	20.2	6.1	0.0	70.7	76.4
Florida, US	295	75.5	75.5	20.0	4.5	0.0	77.6	73.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

S14_12E (S061116E): Earth Science / Applying Type: MC Key: B
Label: Temperature graphs: Equator

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	869	73.6	20.1	73.6	6.3	0.0	75.8	71.6
Bahrain	597	48.1	41.8	48.1	9.0	1.1	45.8	50.3
Belgium (Flemish)	774	72.9	20.6	72.9	6.4	0.0	73.3	72.6
Bulgaria	595	64.3	22.6	64.3	13.1	0.0	60.8	68.1
Canada	1748	72.7	20.8	72.7	6.5	0.0	70.9	74.4
Chile	673	55.0	33.3	55.0	11.5	0.2	51.9	57.9
Chinese Taipei	614	79.7	19.4	79.7	0.9	0.0	77.9	81.5
Croatia	577	66.0	26.8	66.0	7.2	0.0	57.2	72.9
Cyprus	591	58.5	26.0	58.5	15.2	0.3	57.7	59.3
Czech Republic	741	66.0	24.1	66.0	9.9	0.0	67.0	65.2
Denmark	527	73.4	14.3	73.4	7.7	4.5	68.6	77.9
England	571	78.6	17.8	78.6	3.3	0.4	76.9	80.4
Finland	725	79.2	17.4	79.2	3.4	0.0	77.3	81.3
France	696	66.5	18.0	66.5	15.5	0.0	63.1	69.5
Georgia	563	43.2	30.7	43.2	26.1	0.0	47.9	38.8
Germany	557	68.6	21.0	68.6	10.4	0.0	70.7	66.4
Hong Kong SAR	522	80.0	17.5	80.0	2.5	0.0	77.4	82.3
Hungary	717	63.6	31.2	63.6	4.3	0.9	62.1	65.0
Indonesia	577	39.8	38.6	39.8	21.5	0.1	40.9	38.7
Iran, Islamic Rep. of	545	47.4	30.0	47.4	21.7	0.9	49.5	45.3
Ireland	622	78.1	18.5	78.1	2.0	1.4	76.4	79.6
Italy	620	72.6	20.1	72.6	7.2	0.0	65.9	78.9
Japan	630	83.8	14.6	83.8	1.6	0.0	83.2	84.5
Kazakhstan	669	57.7	32.9	57.7	8.9	0.4	56.3	59.2
Korea, Rep. of	665	74.5	24.9	74.5	0.6	0.0	70.5	78.2
Kuwait	488	39.3	34.7	39.3	23.9	2.2	39.1	38.7
Lithuania	637	61.6	32.1	61.6	6.3	0.0	60.0	63.2
Morocco	734	41.6	34.4	41.6	23.6	0.5	41.7	41.4
Netherlands	637	75.5	19.1	75.5	4.8	0.6	74.2	76.8
New Zealand	909	69.5	22.4	69.5	8.1	0.0	70.5	68.3
Northern Ireland	427	83.1	16.9	83.1	0.0	0.0	79.9	86.6
Norway	612	74.7	18.6	74.7	6.6	0.0	68.7	81.1
Oman	1304	49.8	33.8	49.8	15.1	1.4	50.3	49.3
Poland	672	73.0	22.9	73.0	4.1	0.0	74.8	71.3
Portugal	682	66.5	25.7	66.5	7.8	0.0	65.9	67.1
Qatar	734	51.8	31.1	51.8	13.8	3.3	53.0	50.5
Russian Federation	713	73.0	19.5	73.0	7.5	0.0	74.5	71.7
Saudi Arabia	608	46.8	31.3	46.8	20.1	1.8	50.5	42.8
Serbia	579	57.6	22.9	57.6	19.4	0.1	56.2	59.0
Singapore	934	78.8	20.3	78.8	0.7	0.2	78.1	79.5
Slovak Republic	829	69.9	19.0	69.9	11.0	0.0	69.9	70.0
Slovenia	614	67.5	23.6	67.5	8.7	0.2	66.1	68.8
Spain	1123	66.5	22.9	66.5	10.2	0.3	63.9	69.0
Sweden	596	77.8	14.2	77.8	7.9	0.0	79.9	75.6
Turkey	918	57.0	36.2	57.0	6.3	0.4	58.7	55.3
United Arab Emirates	3048	58.1	30.6	58.1	11.3	0.0	56.9	59.2
United States	1443	72.7	21.8	72.7	5.5	0.0	70.8	74.6
International Avg (n=47)	36226	65.4	24.6	65.4	9.5	0.5	64.4	66.4
Buenos Aires, Argentina	428	31.3	19.0	31.3	48.4	1.3	30.4	32.2
Ontario, Canada	647	79.0	16.4	79.0	4.6	0.0	77.6	80.4
Quebec, Canada	406	71.7	20.5	71.7	7.8	0.0	67.1	76.3
Norway (4)	603	62.2	25.7	62.2	12.1	0.0	63.2	61.4
Abu Dhabi, UAE	721	52.4	35.1	52.4	12.5	0.0	53.5	51.3
Dubai, UAE	1074	69.3	23.7	69.3	7.0	0.0	63.9	74.3
Florida, US	295	70.4	25.2	70.4	4.4	0.0	69.7	70.9

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.