M01_01 (M042182): Number / Applying Type: MC Key: C
Label: How far did john jump

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	72.1	9.5	10.2	72.1	7.2	0.8	0.1	68.4	75.9
Bahrain	701	57.0	14.3	13.0	57.0	13.8	1.8	0.0	55.8	58.3
Botswana	846	44.8	19.8	13.1	44.8	18.5	3.8	0.0	46.6	43.0
Canada	1260	74.9	8.4	7.6	74.9	7.1	1.5	0.5	71.5	78.4
Chile	697	51.7	18.1	18.6	51.7	7.8	3.8	0.0	42.6	60.2
Chinese Taipei	814	88.4	5.0	3.8	88.4	2.5	0.3	0.0	86.4	90.3
Egypt	1124	51.8	11.5	11.1	51.8	22.8	2.9	0.0	51.1	52.4
England	685	71.2	10.4	10.9	71.2	6.4	1.2	0.0	67.0	75.4
Georgia	569	54.6	15.3	14.1	54.6	11.1	4.5	0.4	53.5	55.7
Hong Kong SAR	598	89.8	3.2	2.9	89.8	4.2	0.0	0.0	89.3	90.2
Hungary	692	70.1	8.7	14.4	70.1	6.2	0.6	0.0	62.3	77.0
Iran, Islamic Rep. of	878	49.6	16.4	14.5	49.6	14.3	5.2	0.0	45.4	53.4
Ireland	671	78.6	6.1	4.1	78.6	10.6	0.6	0.0	76.5	80.7
Israel	782	67.3	9.2	10.4	67.3	9.9	3.0	0.2	64.1	70.2
Italy	642	78.6	6.0	6.8	78.6	6.8	1.8	0.0	76.6	80.4
Japan	678	83.9	5.7	6.6	83.9	3.6	0.1	0.1	80.8	87.1
Jordan	1128	37.1	16.3	14.2	37.1	27.0	5.5	0.0	36.9	37.3
Kazakhstan	705	69.0	10.6	11.6	69.0	8.3	0.6	0.0	65.2	72.6
Korea, Rep. of	761	88.4	3.6	3.3	88.4	3.9	0.5	0.2	88.9	88.0
Kuwait	608	48.0	12.7	16.1	48.0	17.6	4.7	0.9	46.9	49.1
Lebanon	547	48.7	9.6	11.3	48.7	19.6	9.2	1.7	48.4	49.0
Lithuania	617	71.8	10.5	8.5	71.8	8.0	1.2	0.0	70.7	72.8
Malaysia	1377	78.6	6.2	3.6	78.6	9.9	1.7	0.0	82.4	74.3
Malta	537	73.6	7.4	8.6	73.6	8.6	1.8	0.0	73.0	74.1
Morocco	1894	45.6	16.6	17.5	45.6	16.5	3.7	0.0	45.2	46.0
New Zealand	1180	65.8	13.7	12.6	65.8	6.5	1.2	0.1	65.9	65.8
Norway	667	78.7	10.0	7.5	78.7	1.7	1.9	0.1	75.3	82.2
Oman	1285	42.9	13.8	16.2	42.9	21.7	5.4	0.0	47.4	38.6
Qatar	764	50.8	13.3	17.8	50.8	13.4	4.7	0.0	49.0	52.6
Russian Federation	683	69.4	9.1	11.6	69.4	7.3	2.4	0.2	65.0	73.9
Saudi Arabia	545	38.0	12.2	22.1	38.0	25.2	2.5	0.0	37.7	38.3
Singapore	877	94.4	1.3	1.8	94.4	2.2	0.3	0.1	96.0	92.9
Slovenia	606	73.1	9.0	8.6	73.1	7.4	1.7	0.1	65.5	81.2
South Africa	1755	39.2	22.3	14.0	39.2	21.5	3.0	0.0	42.5	35.6
Sweden	581	72.5	12.4	8.3	72.5	2.7	3.9	0.2	72.4	72.8
Thailand	926	53.4	17.9	17.9	53.4	8.2	2.6	0.0	54.0	52.8
Turkey	865	55.2	16.1	11.6	55.2	15.5	1.4	0.0	49.8	60.1
United Arab Emirates	2555	61.2	11.5	10.3	61.2	14.7	2.2	0.0	62.7	59.7
United States	1438	63.5	9.5	10.2	63.5	14.7	1.7	0.4	59.0	68.1
International Avg (n=39)	36027	64.2	11.1	11.0	64.2	11.2	2.4	0.1	62.5	65.8
Buenos Aires, Argentina	455	45.2	20.0	13.7	45.2	8.8	10.2	2.0	43.0	47.2
Ontario, Canada	650	72.2	9.7	9.3	72.2	6.7	1.6	0.4	68.4	76.0
Quebec, Canada	569	81.1	5.3	4.2	81.1	7.2	1.5	0.8	78.1	84.6
Norway (8)	686	75.7	10.2	8.5	75.7	3.7	1.9	0.0	74.3	77.1
Abu Dhabi, UAE	685	56.4	12.1	11.4	56.4	16.8	3.3	0.0	60.7	51.9
Dubai, UAE	869	72.6	8.4	7.7	72.6	9.5	1.7	0.0	71.4	74.0
Florida, US	290	58.6	8.1	16.2	58.6	15.6	1.4	0.0	52.9	63.3

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

M01_02 (M042081): Number / Knowing Type: CR 1 Point
Label: Write as decimal number

COUNTRY	N	10 %	70 %	71 %	72 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	46.0	1.1	1.2	0.9	42.2	46.0	8.4	0.1	46.6	45.5
Bahrain	701	18.3	1.1	0.4	0.5	68.8	18.3	10.9	0.0	20.6	16.0
Botswana	846	24.5	2.3	0.4	0.0	67.9	24.5	4.8	0.0	31.1	17.3
Canada	1260	36.8	1.1	1.3	0.2	50.3	36.8	9.6	0.7	34.7	39.0
Chile	697	9.3	0.0	0.7	0.2	44.5	9.3	45.1	0.2	7.0	11.4
Chinese Taipei	814	54.0	2.0	0.5	0.0	37.9	54.0	5.6	0.0	52.2	55.8
Egypt	1124	29.3	13.4	0.1	0.1	45.5	29.3	11.6	0.0	36.7	21.2
England	685	42.1	0.8	1.1	0.0	42.5	42.1	13.5	0.0	46.3	37.8
Georgia	569	24.7	4.2	0.0	0.0	44.5	24.7	25.9	0.7	27.3	22.1
Hong Kong SAR	598	68.9	8.4	0.0	0.0	19.6	68.9	3.1	0.0	70.0	67.9
Hungary	692	31.1	3.8	0.0	0.1	42.4	31.1	22.6	0.0	29.4	32.6
Iran, Islamic Rep. of	878	18.2	0.3	0.5	0.0	63.4	18.2	17.3	0.3	20.2	16.4
Ireland	671	65.1	0.4	1.4	0.5	29.3	65.1	3.4	0.0	65.9	64.2
Israel	782	29.8	5.1	0.2	0.0	47.1	29.8	17.5	0.2	27.2	32.1
Italy	642	15.7	0.1	0.0	0.0	57.6	15.7	26.6	0.0	16.9	14.6
Japan	678	48.4	0.9	0.0	0.0	40.8	48.4	9.8	0.1	49.2	47.5
Jordan	1128	7.1	1.2	0.4	0.0	76.7	7.1	14.7	0.0	9.3	5.1
Kazakhstan	705	48.4	2.9	0.3	0.0	42.7	48.4	5.7	0.0	47.8	49.0
Korea, Rep. of	761	61.3	0.7	0.0	0.1	34.1	61.3	3.6	0.2	60.2	62.3
Kuwait	608	23.3	3.6	0.3	0.3	53.0	23.3	18.6	0.9	25.9	20.7
Lebanon	548	41.5	1.7	0.1	0.8	42.3	41.5	12.0	1.6	41.9	41.0
Lithuania	617	23.0	3.4	0.0	0.0	51.2	23.0	22.3	0.0	22.3	23.7
Malaysia	1377	43.7	3.3	0.2	0.4	43.1	43.7	9.2	0.0	48.5	38.5
Malta	537	55.9	0.2	0.4	0.0	34.5	55.9	9.0	0.0	57.5	54.3
Morocco	1894	14.7	2.7	0.1	0.0	62.8	14.7	19.7	0.0	16.7	12.8
New Zealand	1180	34.8	0.8	2.2	0.8	47.5	34.8	13.8	0.1	36.3	33.0
Norway	667	31.5	0.4	1.7	0.1	49.8	31.5	16.3	0.1	29.2	33.9
Oman	1283	24.2	1.0	0.2	0.3	66.9	24.2	7.3	0.0	30.0	18.7
Qatar	764	24.4	0.7	1.6	0.5	61.0	24.4	11.8	0.0	24.1	24.7
Russian Federation	683	40.6	1.3	0.0	0.0	41.8	40.6	16.0	0.3	39.0	42.2
Saudi Arabia	545	15.6	0.2	0.2	0.2	70.7	15.6	13.1	0.0	16.0	15.1
Singapore	877	85.7	2.6	0.0	0.0	10.5	85.7	1.1	0.1	87.6	84.0
Slovenia	606	50.6	2.4	0.0	0.0	36.6	50.6	10.3	0.1	56.0	45.0
South Africa	1755	26.1	1.4	0.5	0.0	65.8	26.1	6.3	0.0	30.2	21.6
Sweden	581	38.4	0.0	1.0	0.0	44.8	38.4	15.4	0.5	40.0	36.8
Thailand	926	15.3	0.3	0.9	0.3	68.3	15.3	14.8	0.0	17.2	13.3
Turkey	865	15.7	5.5	0.5	0.3	58.4	15.7	19.5	0.0	17.8	13.8
United Arab Emirates	2555	43.9	1.9	0.3	0.9	46.4	43.9	6.5	0.1	45.1	42.6
United States	1438	52.1	1.7	0.6	0.3	41.9	52.1	3.1	0.4	53.7	50.4
International Avg (n=39)	36026	35.4	2.2	0.5	0.2	48.6	35.4	13.0	0.2	36.8	34.0
Buenos Aires, Argentina	465	9.5	0.6	0.1	0.0	36.3	9.5	51.0	2.6	11.2	7.7
Ontario, Canada	650	38.3	0.7	1.1	0.3	49.9	38.3	8.9	0.7	36.4	40.3
Quebec, Canada	569	35.7	1.9	1.8	0.1	49.2	35.7	10.3	0.9	32.9	39.2
Norway (8)	686	24.8	0.8	1.3	0.4	54.6	24.8	18.1	0.0	27.9	21.8
Abu Dhabi, UAE	685	43.6	0.9	0.3	0.1	49.5	43.6	5.7	0.0	46.5	40.5
Dubai, UAE	869	49.9	1.6	0.2	1.7	42.7	49.9	3.9	0.0	45.5	54.6
Florida, US	290	43.6	0.7	0.3	0.0	49.3	43.6	6.2	0.0	46.0	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.

M01_03 (M042049): Algebra / Knowing Type: MC Key: C
Label: What is value of 3x+3y

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	64.8	9.3	13.1	64.8	9.4	3.2	0.1	66.0	63.6
Bahrain	701	64.6	10.9	12.8	64.6	9.3	2.4	0.0	67.0	62.2
Botswana	846	51.4	16.9	14.2	51.4	13.2	4.3	0.0	53.0	49.7
Canada	1260	66.8	9.6	12.0	66.8	7.0	3.6	0.9	67.3	66.4
Chile	697	52.9	17.4	16.5	52.9	6.2	6.8	0.2	50.8	54.8
Chinese Taipei	814	87.2	1.6	5.1	87.2	5.9	0.2	0.0	86.1	88.3
Egypt	1124	56.2	11.9	17.6	56.2	12.0	2.3	0.0	57.4	54.9
England	685	73.6	4.9	8.3	73.6	9.3	4.0	0.0	77.1	70.2
Georgia	569	58.5	7.3	17.2	58.5	10.4	5.8	0.7	58.9	58.1
Hong Kong SAR	598	84.9	2.8	3.7	84.9	7.9	0.7	0.0	84.3	85.4
Hungary	692	73.8	6.4	9.8	73.8	7.8	2.2	0.0	71.3	76.0
Iran, Islamic Rep. of	878	56.2	9.5	16.5	56.2	10.6	6.8	0.4	55.4	57.0
Ireland	671	76.2	4.4	8.5	76.2	8.6	2.4	0.0	74.0	78.3
Israel	782	65.3	12.1	9.6	65.3	7.2	5.3	0.5	65.3	65.3
Italy	642	61.8	9.0	15.8	61.8	8.7	4.6	0.0	58.5	65.0
Japan	678	78.9	4.9	8.0	78.9	7.6	0.4	0.1	82.2	75.5
Jordan	1128	45.3	21.0	19.5	45.3	8.6	5.6	0.0	49.6	41.2
Kazakhstan	706	72.8	10.5	9.2	72.8	6.6	0.9	0.0	77.0	68.8
Korea, Rep. of	761	86.4	2.0	3.3	86.4	7.8	0.2	0.2	88.4	84.7
Kuwait	608	43.3	20.2	23.5	43.3	6.0	6.1	0.9	44.9	41.6
Lebanon	547	52.8	14.4	8.6	52.8	13.2	9.3	1.7	51.2	55.0
Lithuania	617	64.0	11.2	14.9	64.0	6.8	3.1	0.0	64.7	63.3
Malaysia	1377	54.7	13.6	18.7	54.7	7.3	5.6	0.0	59.7	49.2
Malta	537	63.6	10.9	11.0	63.6	10.6	3.8	0.0	59.6	67.5
Morocco	1894	45.5	19.2	22.2	45.5	9.3	3.7	0.0	45.5	45.5
New Zealand	1180	64.6	12.3	14.5	64.6	5.6	3.0	0.2	67.1	61.5
Norway	667	65.7	7.2	11.7	65.7	8.4	6.8	0.1	61.8	69.6
Oman	1283	51.7	15.6	20.9	51.7	8.3	3.4	0.0	59.9	43.8
Qatar	764	59.4	11.8	14.0	59.4	11.2	3.6	0.0	58.3	60.5
Russian Federation	683	73.7	4.9	9.7	73.7	7.8	3.6	0.3	72.1	75.2
Saudi Arabia	544	41.1	22.1	27.3	41.1	7.1	2.4	0.0	42.1	40.0
Singapore	877	89.8	1.7	3.3	89.8	4.5	0.6	0.1	92.7	87.1
Slovenia	606	70.8	6.0	9.5	70.8	8.9	4.6	0.1	73.9	67.5
South Africa	1755	45.1	25.9	18.4	45.1	8.1	2.4	0.0	47.1	43.0
Sweden	582	77.3	2.6	8.6	77.3	8.0	3.0	0.5	73.1	81.6
Thailand	926	52.1	13.5	20.4	52.1	11.0	3.0	0.0	51.3	53.0
Turkey	865	61.1	11.9	14.9	61.1	10.7	1.4	0.0	60.7	61.4
United Arab Emirates	2555	57.9	14.8	15.1	57.9	8.6	3.5	0.1	59.8	56.0
United States	1438	61.0	15.0	10.8	61.0	9.9	2.7	0.5	62.0	60.1
International Avg (n=39)	36026	63.4	11.0	13.3	63.4	8.6	3.5	0.2	64.0	62.8
Buenos Aires, Argentina	443	40.9	12.4	15.0	40.9	7.1	22.5	2.2	37.3	44.2
Ontario, Canada	650	65.6	10.5	13.1	65.6	6.2	3.6	1.0	65.8	65.3
Quebec, Canada	569	71.0	8.3	8.6	71.0	8.4	3.0	0.9	68.7	73.7
Norway (8)	686	56.7	14.2	14.4	56.7	7.5	7.1	0.0	53.4	60.1
Abu Dhabi, UAE	685	54.2	18.4	15.9	54.2	7.9	3.5	0.0	56.3	52.0
Dubai, UAE	869	69.5	8.3	9.9	69.5	9.2	3.0	0.0	68.9	70.3
Florida, US	290	64.7	16.0	10.3	64.7	7.5	1.4	0.0	66.1	63.5

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

M01_04 (M042052): Number / Knowing Type: MC Key: A
Label: Ratio equivalent to 1:4

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	67.8	67.8	4.4	3.3	22.5	1.8	0.2	66.5	69.2
Bahrain	701	58.1	58.1	4.5	7.3	27.8	2.3	0.0	59.5	56.7
Botswana	846	44.3	44.3	4.4	6.0	43.4	1.9	0.0	52.1	36.0
Canada	1259	77.6	77.6	3.1	1.1	16.4	0.9	0.9	76.9	78.3
Chile	697	36.6	36.6	8.2	6.7	45.6	2.7	0.2	33.6	39.3
Chinese Taipei	814	90.0	90.0	2.0	0.6	7.3	0.1	0.0	89.8	90.1
Egypt	1124	43.9	43.9	6.8	9.4	38.6	1.3	0.0	45.4	42.3
England	685	73.4	73.4	4.4	3.2	17.2	1.8	0.0	74.1	72.7
Georgia	569	52.6	52.6	4.6	6.1	33.3	2.6	0.7	50.5	54.7
Hong Kong SAR	598	90.7	90.7	0.7	2.1	6.5	0.0	0.0	89.5	91.8
Hungary	692	65.6	65.6	5.2	2.6	26.6	0.0	0.0	62.2	68.6
Iran, Islamic Rep. of	878	53.8	53.8	10.0	5.1	29.9	0.9	0.4	54.1	53.4
Ireland	671	66.5	66.5	3.5	1.3	28.1	0.6	0.0	64.8	68.2
Israel	782	75.2	75.2	2.8	2.1	18.2	1.1	0.5	77.8	73.0
Italy	642	64.8	64.8	4.8	3.3	25.6	1.4	0.0	61.2	68.2
Japan	678	90.0	90.0	1.8	0.8	7.1	0.2	0.1	90.1	90.0
Jordan	1128	30.7	30.7	5.5	8.9	53.8	1.2	0.0	30.3	31.1
Kazakhstan	706	71.8	71.8	1.0	2.4	23.9	0.9	0.0	69.1	74.3
Korea, Rep. of	761	91.3	91.3	0.6	0.3	7.0	0.5	0.2	93.9	89.0
Kuwait	608	41.4	41.4	8.5	8.8	37.3	3.1	0.9	43.7	39.0
Lebanon	548	39.1	39.1	2.4	5.0	44.7	7.2	1.6	38.6	39.9
Lithuania	617	62.0	62.0	0.5	2.7	33.5	1.3	0.0	59.4	64.5
Malaysia	1377	60.6	60.6	5.1	3.1	29.5	1.7	0.0	65.6	55.1
Malta	537	68.8	68.8	3.1	3.9	22.9	1.3	0.0	70.9	66.8
Morocco	1894	29.0	29.0	5.3	8.5	53.4	3.7	0.0	29.1	28.9
New Zealand	1180	57.9	57.9	5.2	4.2	30.6	1.8	0.2	56.1	60.1
Norway	667	81.8	81.8	3.9	1.9	9.3	2.8	0.3	77.7	85.9
Oman	1285	38.1	38.1	5.2	11.5	42.1	2.9	0.1	44.6	32.0
Qatar	764	52.5	52.5	5.2	7.1	32.7	2.4	0.0	54.9	49.9
Russian Federation	683	75.0	75.0	1.9	1.8	19.3	1.7	0.3	72.6	77.3
Saudi Arabia	545	30.1	30.1	6.4	18.7	42.0	2.8	0.0	31.5	28.7
Singapore	877	95.2	95.2	0.6	0.8	3.1	0.2	0.1	97.9	92.7
Slovenia	605	73.3	73.3	3.1	1.5	21.6	0.4	0.1	72.4	74.3
South Africa	1755	27.4	27.4	3.6	5.7	62.7	0.5	0.0	29.4	25.4
Sweden	581	50.1	50.1	18.3	3.2	24.2	3.8	0.5	41.5	58.7
Thailand	926	43.6	43.6	9.2	6.0	39.6	1.6	0.0	47.2	39.7
Turkey	865	53.6	53.6	3.8	5.8	36.1	0.8	0.0	53.7	53.5
United Arab Emirates	2555	50.8	50.8	4.4	4.2	39.0	1.5	0.1	51.9	49.6
United States	1438	71.3	71.3	2.7	2.8	21.9	0.8	0.5	68.4	74.2
International Avg (n=39)	36027	60.2	60.2	4.5	4.6	28.8	1.7	0.2	60.2	60.1
Buenos Aires, Argentina	448	38.2	38.2	3.5	8.3	31.3	16.0	2.7	36.5	39.9
Ontario, Canada	649	70.5	70.5	4.2	1.6	21.3	1.5	1.0	69.9	71.1
Quebec, Canada	569	89.5	89.5	1.7	0.4	7.3	0.1	0.9	88.9	90.3
Norway (8)	686	75.9	75.9	4.3	1.7	16.2	1.9	0.0	74.3	77.5
Abu Dhabi, UAE	685	44.0	44.0	6.8	5.7	42.4	1.1	0.0	48.5	39.3
Dubai, UAE	869	68.0	68.0	2.4	2.4	25.6	1.7	0.0	65.1	71.1
Florida, US	290	67.6	67.6	4.8	5.1	21.9	0.6	0.0	63.2	71.2

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

M01_05 (M042076): Algebra / Knowing Type: MC Key: D
Label: Expression for one-fifth of x

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	47.8	17.9	18.5	14.8	47.8	0.9	0.2	47.5	48.0
Bahrain	701	46.2	11.1	37.2	4.7	46.2	0.9	0.0	44.3	48.0
Botswana	846	27.7	38.5	17.4	13.4	27.7	3.0	0.0	28.8	26.5
Canada	1259	51.0	18.0	16.6	11.3	51.0	2.2	0.9	54.9	46.8
Chile	697	32.6	25.7	29.0	8.7	32.6	3.7	0.2	32.8	32.5
Chinese Taipei	814	77.2	10.0	9.8	2.8	77.2	0.1	0.0	76.6	77.8
Egypt	1124	34.8	17.7	34.1	12.3	34.8	1.1	0.0	32.7	37.2
England	685	53.0	15.7	16.3	13.8	53.0	1.3	0.0	55.0	50.9
Georgia	569	68.2	9.8	14.9	4.7	68.2	1.7	0.7	72.8	63.5
Hong Kong SAR	598	77.0	10.2	9.5	3.4	77.0	0.0	0.0	77.9	76.2
Hungary	692	65.1	20.9	5.0	8.2	65.1	0.8	0.0	66.2	64.0
Iran, Islamic Rep. of	878	28.9	35.9	9.6	23.3	28.9	1.7	0.5	26.1	31.4
Ireland	671	60.6	18.1	12.3	7.6	60.6	1.3	0.0	57.1	64.1
Israel	782	54.2	14.2	24.0	4.0	54.2	3.2	0.5	56.8	51.8
Italy	642	45.3	30.4	8.9	10.7	45.3	4.7	0.0	48.8	41.9
Japan	678	72.5	7.5	14.3	5.1	72.5	0.3	0.3	74.0	70.8
Jordan	1128	27.3	14.1	52.7	4.3	27.3	1.6	0.0	29.0	25.6
Kazakhstan	706	57.0	27.8	7.1	7.3	57.0	0.8	0.0	55.4	58.5
Korea, Rep. of	761	78.7	12.0	5.2	3.5	78.7	0.3	0.2	82.1	75.7
Kuwait	608	27.0	15.2	45.6	9.5	27.0	1.8	0.9	27.9	26.1
Lebanon	544	45.6	20.8	21.1	5.5	45.6	5.1	1.9	45.5	45.7
Lithuania	617	47.2	36.0	7.1	7.8	47.2	1.9	0.0	50.6	43.8
Malaysia	1377	43.5	25.9	11.0	16.9	43.5	2.6	0.1	45.5	41.2
Malta	537	54.2	21.6	13.7	7.9	54.2	2.6	0.0	56.1	52.3
Morocco	1894	37.6	24.8	26.9	8.2	37.6	2.5	0.0	38.3	37.0
New Zealand	1180	47.1	20.5	15.8	14.9	47.1	1.6	0.2	49.9	43.7
Norway	667	36.4	15.9	34.3	8.3	36.4	4.7	0.3	34.3	38.6
Oman	1285	30.3	18.9	43.2	5.1	30.3	2.4	0.1	33.6	27.2
Qatar	764	45.2	20.6	25.5	6.4	45.2	2.3	0.0	47.6	42.8
Russian Federation	683	62.3	17.3	8.5	8.1	62.3	3.3	0.4	60.8	63.7
Saudi Arabia	544	21.0	16.2	54.6	6.3	21.0	1.9	0.0	16.5	25.8
Singapore	877	78.3	9.1	8.3	3.8	78.3	0.4	0.1	83.6	73.3
Slovenia	605	49.1	15.2	13.2	18.5	49.1	3.9	0.1	48.4	49.9
South Africa	1755	28.8	33.3	22.8	13.4	28.8	1.6	0.1	29.4	28.1
Sweden	581	52.8	12.5	23.6	7.7	52.8	3.0	0.5	51.8	53.9
Thailand	926	37.7	30.3	16.5	13.4	37.7	1.7	0.4	43.3	31.6
Turkey	865	40.6	33.0	14.1	11.4	40.6	0.9	0.0	41.3	39.9
United Arab Emirates	2555	47.5	18.9	24.9	7.4	47.5	1.2	0.1	49.6	45.3
United States	1438	54.4	20.2	11.6	12.2	54.4	1.0	0.6	51.8	56.9
International Avg (n=39)	36022	48.5	20.0	20.1	9.1	48.5	1.9	0.2	49.3	47.7
Buenos Aires, Argentina	455	34.1	21.6	19.6	10.1	34.1	11.9	2.7	33.4	34.2
Ontario, Canada	649	47.0	18.4	17.1	13.7	47.0	2.8	1.0	49.3	44.6
Quebec, Canada	569	62.2	11.8	16.3	7.1	62.2	1.6	0.9	67.4	56.1
Norway (8)	685	31.7	16.9	35.1	10.9	31.7	5.4	0.0	27.3	36.1
Abu Dhabi, UAE	685	40.1	22.1	29.1	7.3	40.1	1.4	0.0	42.2	37.9
Dubai, UAE	869	62.3	16.6	12.3	7.7	62.3	1.0	0.0	62.6	62.0
Florida, US	290	45.1	23.0	12.5	18.3	45.1	1.1	0.0	43.6	46.3

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

M01_06A (M042302A): Number / Applying Type: CR 2 Points
Label: Cost of phone for 1 year

COUNTRY	N	20 %	10 %	11 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	48.8	18.1	2.0	26.0	68.9	48.8	4.9	0.2	47.9	49.7
Bahrain	701	11.0	11.9	1.0	65.3	23.9	11.0	10.8	0.0	11.3	10.6
Botswana	846	4.4	12.6	0.4	76.5	17.4	4.4	5.9	0.2	4.9	3.8
Canada	1260	58.1	11.9	2.2	23.2	72.2	58.1	3.7	1.0	55.5	60.9
Chile	697	14.7	12.7	2.4	40.7	29.8	14.7	29.2	0.2	8.1	20.9
Chinese Taipei	814	59.4	14.7	2.5	20.8	76.6	59.4	2.7	0.0	53.5	65.2
Egypt	1124	4.8	8.3	0.7	67.9	13.8	4.8	18.3	0.0	3.9	5.9
England	685	51.4	18.0	1.1	22.7	70.4	51.4	6.9	0.0	50.4	52.4
Georgia	569	15.2	22.4	1.1	36.6	38.7	15.2	24.0	0.7	13.9	16.4
Hong Kong SAR	598	65.6	14.6	0.8	16.7	81.0	65.6	2.3	0.0	61.8	69.0
Hungary	692	49.6	22.1	1.7	21.9	73.4	49.6	4.7	0.0	45.8	53.0
Iran, Islamic Rep. of	878	5.5	5.8	0.5	59.1	11.8	5.5	28.7	0.5	3.3	7.5
Ireland	671	57.3	21.0	0.8	18.4	79.1	57.3	2.5	0.0	55.7	58.8
Israel	782	48.1	12.3	1.2	28.2	61.5	48.1	9.8	0.5	47.0	49.1
Italy	642	36.0	20.0	0.5	29.2	56.5	36.0	14.4	0.0	31.7	40.1
Japan	678	49.1	17.5	3.7	24.7	70.3	49.1	4.7	0.3	46.7	51.5
Jordan	1128	2.5	5.5	1.2	78.5	9.2	2.5	12.2	0.1	1.8	3.1
Kazakhstan	706	20.8	24.9	0.5	41.9	46.1	20.8	12.0	0.0	18.5	23.0
Korea, Rep. of	761	56.4	12.4	2.5	24.0	71.3	56.4	4.4	0.2	51.6	60.7
Kuwait	608	7.5	11.1	0.7	60.6	19.3	7.5	19.0	1.1	7.4	7.7
Lebanon	548	5.4	8.2	0.1	45.9	13.7	5.4	38.2	2.2	4.8	6.1
Lithuania	617	46.6	23.5	1.3	21.0	71.4	46.6	7.6	0.0	37.6	55.3
Malaysia	1377	16.6	27.2	0.9	44.3	44.6	16.6	11.0	0.1	16.2	16.9
Malta	537	37.3	17.6	1.1	33.2	56.0	37.3	10.8	0.0	35.4	39.2
Morocco	1894	3.1	8.4	0.0	62.8	11.5	3.1	25.5	0.2	2.6	3.6
New Zealand	1180	42.2	17.8	2.3	28.9	62.3	42.2	8.6	0.2	42.9	41.4
Norway	667	58.2	18.7	1.3	15.6	78.3	58.2	5.6	0.5	53.7	62.8
Oman	1279	5.3	8.2	0.4	77.4	13.9	5.3	8.6	0.1	6.6	4.0
Qatar	764	16.6	11.0	0.4	57.8	28.0	16.6	14.1	0.1	13.8	19.6
Russian Federation	683	50.6	18.2	1.3	16.8	70.2	50.6	12.7	0.4	45.3	55.9
Saudi Arabia	545	1.5	6.4	0.2	80.3	8.1	1.5	11.6	0.0	1.3	1.7
Singapore	877	67.2	15.9	0.7	14.0	83.9	67.2	2.0	0.1	69.2	65.3
Slovenia	605	41.2	24.6	1.7	26.4	67.5	41.2	5.9	0.1	34.5	48.3
South Africa	1755	4.8	16.0	0.1	73.5	20.8	4.8	5.6	0.1	4.2	5.4
Sweden	579	56.8	20.1	0.7	16.7	77.6	56.8	5.3	0.5	51.8	61.7
Thailand	926	13.9	15.7	1.3	56.1	30.9	13.9	12.6	0.4	11.6	16.4
Turkey	865	15.8	17.4	1.1	56.4	34.3	15.8	9.4	0.0	11.5	19.6
United Arab Emirates	2555	20.7	14.8	1.0	54.2	36.5	20.7	9.2	0.1	17.7	23.8
United States	1438	48.8	13.0	2.2	32.0	64.1	48.8	3.3	0.6	46.2	51.5
International Avg (n=39)	36020	31.2	15.4	1.2	40.9	47.8	31.2	11.0	0.3	28.9	33.5
Buenos Aires, Argentina	466	10.6	13.1	3.3	29.2	26.9	10.6	39.3	4.6	9.9	11.3
Ontario, Canada	650	57.3	13.5	2.3	23.0	73.1	57.3	2.8	1.0	53.1	61.6
Quebec, Canada	569	62.7	7.4	1.4	22.0	71.5	62.7	5.4	1.1	59.4	66.5
Norway (8)	686	48.5	25.0	1.8	18.0	75.3	48.5	6.4	0.2	44.6	52.4
Abu Dhabi, UAE	685	14.2	13.3	0.7	63.0	28.3	14.2	8.7	0.0	13.2	15.3
Dubai, UAE	869	34.5	14.9	2.3	40.5	51.7	34.5	7.6	0.1	28.9	40.6
Florida, US	290	41.0	7.2	1.5	41.7	49.7	41.0	8.6	0.0	40.7	41.2

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.

M01_06B (M042302B): Number / Applying Type: CR 2 Points
Label: Pay after first year

COUNTRY	N	20 %	21 %	10 %	11 %	12 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	37.7	0.0	9.8	4.6	0.0	38.8	52.1	37.7	8.9	0.2	40.9	34.3
Bahrain	701	9.0	2.5	2.5	0.9	1.4	67.7	16.3	11.5	16.0	0.1	11.6	11.4
Botswana	846	4.0	1.5	3.0	0.2	0.3	80.5	9.0	5.5	10.3	0.2	6.1	4.8
Canada	1260	47.8	7.1	9.3	2.7	1.2	25.4	68.1	54.9	5.4	1.0	52.6	57.4
Chile	697	11.2	3.0	6.3	2.7	1.1	35.9	24.3	14.2	39.6	0.2	10.5	17.5
Chinese Taipei	814	53.0	13.2	6.6	3.4	3.4	16.6	79.6	66.2	3.9	0.0	64.8	67.5
Egypt	1124	2.6	0.9	2.0	0.3	0.6	70.7	6.4	3.5	22.7	0.2	3.1	4.0
England	685	41.4	7.0	6.3	1.5	1.8	29.5	58.0	48.4	12.5	0.0	50.1	46.8
Georgia	569	10.9	7.0	6.5	1.5	0.8	36.9	26.7	18.0	35.3	1.1	16.9	19.0
Hong Kong SAR	598	56.4	6.6	7.2	2.0	1.6	22.5	73.9	63.0	3.7	0.0	62.6	63.4
Hungary	692	40.3	8.1	7.1	2.8	2.6	29.7	60.8	48.4	9.4	0.0	43.7	52.6
Iran, Islamic Rep. of	878	4.8	0.8	3.0	0.3	0.4	51.3	9.3	5.6	38.9	0.5	5.1	6.0
Ireland	671	46.9	8.3	7.6	2.7	0.6	28.2	66.1	55.3	5.7	0.0	59.5	51.0
Israel	782	42.9	8.0	5.5	2.7	1.3	25.7	60.4	50.8	13.0	0.9	50.4	51.2
Italy	641	33.1	6.7	6.1	1.4	1.9	27.1	49.2	39.8	23.6	0.0	35.6	43.7
Japan	678	50.6	11.6	6.6	4.0	1.7	17.3	74.6	62.2	7.8	0.3	63.7	60.7
Jordan	1128	2.1	0.8	0.4	0.0	0.5	72.1	3.9	2.9	23.9	0.1	3.1	2.8
Kazakhstan	706	14.8	5.2	14.2	1.2	1.3	44.5	36.7	20.0	18.8	0.0	19.1	20.9
Korea, Rep. of	761	55.2	7.8	5.4	2.7	2.4	20.7	73.6	63.1	5.5	0.2	61.1	64.9
Kuwait	608	7.3	0.9	2.3	0.6	0.7	61.8	11.8	8.2	24.4	2.0	6.8	9.7
Lebanon	547	4.3	0.0	2.9	0.2	0.3	38.3	7.6	4.3	51.1	2.9	3.4	5.5
Lithuania	617	39.8	12.4	6.1	1.6	3.1	24.8	63.0	52.2	12.3	0.0	51.3	53.1
Malaysia	1377	15.9	5.4	6.9	0.7	1.0	50.0	29.9	21.3	19.9	0.2	20.4	22.4
Malta	537	31.0	6.1	6.6	2.4	2.1	36.0	48.2	37.1	15.8	0.0	38.2	35.9
Morocco	1894	1.9	1.7	2.4	0.0	0.2	56.5	6.2	3.5	37.1	0.2	3.2	3.8
New Zealand	1180	33.7	6.6	4.7	3.1	2.6	36.1	50.7	40.3	13.0	0.2	44.4	35.5
Norway	667	44.8	5.7	9.0	3.2	0.7	25.5	63.4	50.5	10.6	0.5	47.0	54.0
Oman	1269	5.9	2.4	4.2	0.5	0.8	73.6	13.8	8.3	12.2	0.3	8.6	8.1
Qatar	764	14.2	2.9	6.1	1.1	1.2	56.5	25.6	17.2	17.3	0.5	15.9	18.6
Russian Federation	683	39.4	8.3	7.5	1.1	1.8	25.4	58.1	47.6	15.8	0.7	42.8	52.4
Saudi Arabia	545	0.9	0.9	2.9	0.0	1.1	77.7	5.9	1.8	16.2	0.2	2.0	1.7
Singapore	877	62.3	7.6	6.9	2.2	0.9	17.1	79.8	69.9	2.7	0.3	72.3	67.5
Slovenia	606	29.8	9.5	8.9	2.2	1.8	35.2	52.2	39.3	12.4	0.1	37.6	41.2
South Africa	1755	4.2	0.0	4.5	0.1	0.0	79.4	8.9	4.2	11.3	0.4	5.0	3.4
Sweden	580	43.1	5.3	9.3	2.7	1.5	26.6	62.0	48.5	10.7	0.7	47.5	49.3
Thailand	926	11.1	3.2	6.4	1.8	1.7	58.0	24.2	14.3	17.4	0.4	16.5	11.8
Turkey	865	12.0	9.0	4.8	0.4	2.0	56.8	28.1	21.0	15.0	0.1	15.3	26.1
United Arab Emirates	2555	17.3	2.6	6.4	1.9	0.7	57.2	28.9	19.9	13.8	0.2	19.2	20.5
United States	1438	42.1	5.1	6.3	2.9	1.2	37.3	57.6	47.2	4.2	0.9	45.7	48.7
International Avg (n=39)	36010	26.3	5.2	5.9	1.7	1.3	42.8	40.4	31.5	16.4	0.4	30.9	32.0
Buenos Aires, Argentina	466	8.7	2.3	3.5	1.1	1.0	26.9	16.7	11.0	50.3	6.1	9.8	11.9
Ontario, Canada	650	47.6	5.5	8.5	3.0	1.0	28.8	65.6	53.1	4.6	1.0	50.3	55.9
Quebec, Canada	569	52.0	11.8	7.2	2.8	1.8	14.8	75.7	63.8	8.4	1.1	60.7	67.5
Norway (8)	686	36.1	4.3	8.6	2.7	1.1	35.8	52.8	40.3	11.2	0.2	40.0	40.7
Abu Dhabi, UAE	685	13.2	2.5	5.5	1.3	0.6	64.3	23.2	15.7	12.5	0.0	18.4	13.0
Dubai, UAE	869	29.8	4.0	6.4	3.0	0.8	44.2	43.9	33.8	11.6	0.3	30.1	37.8
Florida, US	290	33.7	3.6	5.5	2.9	0.6	42.8	46.4	37.3	10.3	0.4	34.6	39.6

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.

M01_06C (M042302C): Number / Reasoning Type: CR 2 Points
Label: Which plan is less expensive

COUNTRY	N	20 %	10 %	70 %	71 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	9.3	10.1	52.1	0.1	20.0	19.5	9.3	7.9	0.4	11.2	7.5
Bahrain	701	5.4	6.1	26.2	7.0	42.0	11.5	5.4	13.2	0.1	7.2	3.6
Botswana	846	2.4	5.7	16.3	2.7	60.7	8.1	2.4	11.9	0.3	1.9	2.9
Canada	1260	17.0	15.6	39.9	2.6	17.9	32.6	17.0	6.0	1.0	19.2	14.7
Chile	697	5.5	6.1	23.0	4.0	27.0	11.6	5.5	34.1	0.3	6.4	4.6
Chinese Taipei	814	9.7	7.3	61.5	0.9	17.8	17.0	9.7	2.8	0.0	12.5	6.9
Egypt	1124	1.3	3.3	9.5	6.8	55.6	4.6	1.3	23.3	0.2	1.9	0.6
England	685	12.6	17.2	39.9	2.3	18.4	29.7	12.6	9.6	0.0	15.3	9.8
Georgia	569	4.4	7.2	31.9	1.5	26.2	11.6	4.4	27.4	1.4	5.1	3.8
Hong Kong SAR	598	15.7	11.5	50.8	0.9	18.9	27.2	15.7	2.2	0.0	16.6	14.8
Hungary	692	10.7	16.5	45.3	1.5	18.9	27.1	10.7	7.2	0.0	14.0	7.6
Iran, Islamic Rep. of	878	2.1	3.6	29.1	1.7	31.8	5.8	2.1	31.2	0.5	2.8	1.5
Ireland	671	30.5	14.0	31.6	1.9	16.5	44.5	30.5	5.5	0.0	35.5	25.4
Israel	782	11.5	11.0	42.8	1.3	18.9	22.5	11.5	13.6	0.9	14.4	8.9
Italy	641	3.8	3.7	51.9	1.2	21.1	7.6	3.8	18.2	0.0	4.4	3.3
Japan	678	23.6	12.1	45.2	0.9	13.1	35.7	23.6	4.7	0.3	26.9	20.2
Jordan	1128	1.5	1.6	25.6	2.8	49.2	3.1	1.5	19.2	0.1	1.7	1.2
Kazakhstan	706	6.4	19.1	23.3	8.7	20.1	25.5	6.4	22.4	0.0	7.6	5.4
Korea, Rep. of	761	19.0	9.4	47.9	1.7	18.3	28.3	19.0	3.6	0.2	19.4	18.6
Kuwait	608	5.7	3.3	8.4	6.2	50.1	9.0	5.7	23.9	2.3	6.1	5.3
Lebanon	548	3.0	1.5	14.2	1.0	23.2	4.5	3.0	54.0	3.1	3.2	2.7
Lithuania	617	4.9	17.9	47.6	0.2	20.6	22.8	4.9	8.8	0.0	5.6	4.2
Malaysia	1377	5.3	6.3	35.4	3.5	27.5	11.6	5.3	21.6	0.4	6.6	3.9
Malta	537	9.9	10.4	30.6	2.6	33.3	20.3	9.9	13.2	0.0	12.5	7.4
Morocco	1894	1.0	3.9	3.0	3.3	54.8	4.9	1.0	33.9	0.2	0.8	1.2
New Zealand	1180	10.6	12.9	41.7	0.7	23.4	23.5	10.6	10.3	0.3	13.1	7.7
Norway	667	12.9	16.0	47.2	0.1	15.3	28.9	12.9	7.9	0.6	15.8	10.0
Oman	1268	10.2	4.8	17.5	15.6	40.1	15.0	10.2	11.4	0.3	11.9	8.6
Qatar	764	8.8	6.1	22.0	5.1	40.5	15.0	8.8	16.7	0.8	11.3	6.2
Russian Federation	683	6.2	14.5	46.8	1.6	14.0	20.6	6.2	16.2	0.8	6.5	5.9
Saudi Arabia	545	0.2	1.7	28.5	1.4	56.7	1.8	0.2	11.5	0.2	0.0	0.4
Singapore	877	27.2	21.4	35.8	2.1	10.7	48.6	27.2	2.6	0.3	34.3	20.5
Slovenia	606	11.4	17.5	37.0	2.7	19.9	28.9	11.4	11.5	0.1	14.8	7.7
South Africa	1755	3.0	4.7	13.9	3.6	64.2	7.8	3.0	10.0	0.5	3.8	2.2
Sweden	581	7.1	5.2	62.1	0.3	15.5	12.3	7.1	8.6	1.1	8.0	6.2
Thailand	926	5.8	6.4	26.2	1.5	37.7	12.1	5.8	22.0	0.4	7.1	4.4
Turkey	865	5.0	8.1	30.1	6.8	39.8	13.1	5.0	10.1	0.1	4.2	5.7
United Arab Emirates	2555	10.4	7.9	23.8	5.8	38.4	18.3	10.4	13.4	0.2	11.4	9.5
United States	1438	11.7	11.3	46.5	1.0	24.3	23.0	11.7	4.2	1.0	12.6	10.9
International Avg (n=39)	36011	9.0	9.3	33.6	3.0	29.8	18.4	9.0	14.8	0.5	10.6	7.5
Buenos Aires, Argentina	466	2.0	4.4	22.7	0.6	17.0	6.4	2.0	46.8	6.5	2.5	1.6
Ontario, Canada	650	19.5	17.5	36.6	2.6	17.1	37.0	19.5	5.6	1.0	22.4	16.6
Quebec, Canada	569	13.3	11.4	46.7	1.2	18.3	24.7	13.3	8.0	1.1	13.7	12.7
Norway (8)	686	10.7	14.1	49.7	0.4	14.7	24.8	10.7	10.1	0.3	14.4	6.9
Abu Dhabi, UAE	685	7.3	6.7	24.8	4.8	44.1	14.1	7.3	12.3	0.0	9.7	4.8
Dubai, UAE	869	17.8	12.3	22.5	7.9	28.0	30.1	17.8	11.2	0.3	19.1	16.4
Florida, US	290	11.4	8.2	40.5	1.2	27.8	19.7	11.4	10.3	0.4	12.6	10.5

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.

M01_07 (M042100): Algebra / Knowing Type: MC Key: C
Label: Pair of numbers that satisfy eqn

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	72.6	4.4	17.0	72.6	3.8	1.9	0.4	75.1	70.0
Bahrain	701	65.7	7.7	20.8	65.7	4.8	0.9	0.1	70.1	61.4
Botswana	846	39.4	7.6	37.5	39.4	11.0	4.0	0.4	41.0	37.6
Canada	1259	73.2	3.7	14.8	73.2	4.1	3.0	1.2	76.4	69.7
Chile	697	45.6	7.8	34.0	45.6	6.5	5.6	0.5	43.8	47.3
Chinese Taipei	814	85.4	4.5	8.0	85.4	1.7	0.5	0.0	86.0	84.7
Egypt	1124	51.8	7.7	29.8	51.8	8.8	1.6	0.2	54.1	49.3
England	685	62.9	4.0	25.0	62.9	4.2	3.8	0.1	66.7	59.0
Georgia	569	53.5	9.1	28.9	53.5	4.3	2.8	1.4	52.3	54.7
Hong Kong SAR	598	81.4	4.2	10.8	81.4	3.2	0.4	0.0	81.3	81.5
Hungary	692	66.8	3.8	23.8	66.8	4.0	1.6	0.0	68.5	65.2
Iran, Islamic Rep. of	878	54.3	8.8	24.5	54.3	7.2	4.5	0.6	56.5	52.4
Ireland	671	73.9	6.1	14.2	73.9	3.1	2.7	0.0	77.8	69.9
Israel	782	63.0	4.7	23.6	63.0	4.3	3.3	1.1	64.5	61.7
Italy	642	62.9	4.2	21.7	62.9	6.0	5.3	0.0	65.9	60.0
Japan	678	79.6	3.3	13.6	79.6	2.7	0.5	0.3	81.2	77.8
Jordan	1128	52.5	11.6	26.8	52.5	7.4	1.7	0.1	56.5	48.7
Kazakhstan	706	70.9	4.9	18.3	70.9	4.1	1.8	0.0	70.0	71.8
Korea, Rep. of	761	90.1	2.2	4.6	90.1	2.4	0.5	0.2	91.7	88.7
Kuwait	608	45.1	9.3	32.5	45.1	5.9	4.5	2.6	45.8	44.5
Lebanon	545	45.7	4.8	29.9	45.7	6.8	9.4	3.3	44.2	47.7
Lithuania	617	67.8	5.8	21.0	67.8	3.2	2.2	0.0	71.8	63.9
Malaysia	1377	53.3	6.0	32.4	53.3	4.8	2.9	0.6	58.0	48.1
Malta	537	63.1	4.8	24.1	63.1	5.3	2.7	0.0	65.0	61.2
Morocco	1894	35.6	7.1	43.3	35.6	10.1	3.7	0.3	37.0	34.2
New Zealand	1180	66.3	5.4	22.3	66.3	3.6	2.2	0.3	68.5	63.6
Norway	667	50.8	5.2	30.0	50.8	6.4	7.0	0.7	52.0	49.5
Oman	1286	50.4	12.1	28.1	50.4	6.4	2.6	0.3	60.5	40.7
Qatar	764	53.9	9.3	24.6	53.9	8.0	3.4	0.8	53.6	54.2
Russian Federation	683	75.7	4.6	14.6	75.7	1.8	2.3	0.9	76.3	75.0
Saudi Arabia	545	44.5	13.4	29.0	44.5	11.1	1.8	0.2	43.6	45.5
Singapore	877	87.0	1.8	9.5	87.0	1.1	0.3	0.3	89.1	85.0
Slovenia	606	72.7	4.9	16.2	72.7	3.1	2.9	0.1	73.2	72.1
South Africa	1755	40.4	5.0	46.2	40.4	6.1	1.9	0.5	43.0	37.5
Sweden	582	52.6	3.8	26.0	52.6	8.0	8.3	1.3	53.4	51.8
Thailand	926	49.3	7.6	32.7	49.3	6.0	3.9	0.4	49.3	49.4
Turkey	865	52.1	10.1	26.9	52.1	9.6	1.1	0.1	52.2	52.0
United Arab Emirates	2555	64.4	6.6	22.4	64.4	5.2	1.3	0.2	67.1	61.6
United States	1438	76.7	4.4	12.6	76.7	4.1	1.3	1.0	77.5	75.9
International Avg (n=39)	36027	61.4	6.2	23.6	61.4	5.4	2.9	0.5	63.1	59.6
Buenos Aires, Argentina	445	34.5	4.9	27.9	34.5	7.7	19.7	5.2	36.6	32.1
Ontario, Canada	649	74.4	3.8	13.3	74.4	3.8	3.4	1.3	77.2	71.6
Quebec, Canada	569	70.9	4.3	15.2	70.9	5.7	2.6	1.3	75.3	65.8
Norway (8)	686	41.1	5.4	35.5	41.1	7.2	10.4	0.4	41.4	40.7
Abu Dhabi, UAE	685	60.4	8.3	24.1	60.4	6.2	1.1	0.0	66.7	53.8
Dubai, UAE	869	70.6	5.6	17.2	70.6	5.2	1.2	0.3	69.5	71.7
Florida, US	290	70.3	5.5	17.8	70.3	5.2	0.9	0.4	72.9	68.1

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

M01_08 (M042202): Algebra / Applying Type: MC Key: B
Label: Formula for K the cost of trip

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	58.0	5.5	58.0	7.5	24.6	3.8	0.6	60.1	55.8
Bahrain	701	49.1	12.0	49.1	8.7	28.5	1.2	0.4	52.0	46.3
Botswana	846	32.5	8.0	32.5	7.6	48.8	2.3	0.8	33.0	31.9
Canada	1260	68.0	3.9	68.0	3.1	22.2	1.3	1.5	70.5	65.5
Chile	697	37.9	9.6	37.9	7.3	40.4	4.2	0.7	34.1	41.4
Chinese Taipei	814	82.0	1.7	82.0	1.4	14.5	0.4	0.0	84.0	80.1
Egypt	1124	35.2	15.9	35.2	11.1	35.3	2.2	0.2	33.5	37.1
England	685	58.6	4.0	58.6	7.9	26.0	3.2	0.2	61.8	55.4
Georgia	569	49.7	6.2	49.7	8.5	32.2	1.5	1.8	52.0	47.4
Hong Kong SAR	598	77.1	3.2	77.1	3.6	15.5	0.5	0.1	76.5	77.6
Hungary	692	55.7	3.4	55.7	5.1	35.2	0.5	0.0	53.8	57.5
Iran, Islamic Rep. of	878	38.1	5.9	38.1	8.8	42.8	3.3	1.1	37.7	38.5
Ireland	671	57.9	4.3	57.9	6.1	30.1	1.4	0.3	60.7	55.0
Israel	782	57.4	5.1	57.4	4.5	29.7	1.9	1.5	60.3	54.8
Italy	642	57.0	3.2	57.0	4.7	32.6	2.4	0.0	57.5	56.6
Japan	678	74.3	2.2	74.3	3.7	19.0	0.4	0.3	76.3	72.2
Jordan	1128	37.6	13.5	37.6	10.2	36.1	2.3	0.3	40.6	34.7
Kazakhstan	706	62.4	5.6	62.4	6.5	23.4	1.5	0.6	62.8	62.0
Korea, Rep. of	761	75.0	2.1	75.0	3.5	18.9	0.3	0.2	80.4	70.0
Kuwait	608	35.8	15.9	35.8	15.2	27.6	2.2	3.3	34.7	36.9
Lebanon	547	35.5	10.6	35.5	9.0	33.0	8.5	3.3	38.9	31.0
Lithuania	617	63.6	3.1	63.6	4.1	27.5	1.7	0.0	65.6	61.6
Malaysia	1377	49.9	5.0	49.9	6.3	36.0	1.6	1.1	53.0	46.5
Malta	537	59.9	8.1	59.9	7.6	21.8	2.3	0.4	62.3	57.5
Morocco	1894	26.7	12.8	26.7	10.5	46.9	2.7	0.4	26.2	27.2
New Zealand	1180	61.5	5.2	61.5	8.7	22.7	1.6	0.3	64.9	57.5
Norway	667	51.7	4.8	51.7	6.9	31.8	3.7	1.1	53.4	49.9
Oman	1285	36.2	13.6	36.2	9.7	37.6	2.4	0.5	39.5	33.1
Qatar	764	51.4	8.9	51.4	5.7	29.9	3.0	1.1	55.1	47.6
Russian Federation	683	69.6	2.2	69.6	1.3	23.5	2.1	1.3	65.6	73.6
Saudi Arabia	545	35.7	14.1	35.7	15.3	33.6	1.2	0.2	39.2	32.0
Singapore	877	85.4	1.7	85.4	2.5	9.6	0.4	0.4	88.8	82.2
Slovenia	606	58.5	3.7	58.5	5.3	31.5	0.9	0.1	59.6	57.3
South Africa	1755	32.3	11.3	32.3	8.0	46.7	1.1	0.5	33.2	31.4
Sweden	582	50.1	5.8	50.1	10.0	28.3	4.3	1.5	53.4	46.7
Thailand	926	41.0	6.6	41.0	9.4	39.5	3.0	0.5	45.6	36.1
Turkey	865	42.9	11.8	42.9	8.5	36.0	0.7	0.1	43.1	42.8
United Arab Emirates	2555	53.1	10.4	53.1	7.5	27.3	1.4	0.3	55.5	50.6
United States	1438	74.1	4.6	74.1	4.7	14.2	1.1	1.3	77.2	71.0
International Avg (n=39)	36029	53.3	7.1	53.3	7.1	29.8	2.1	0.7	54.9	51.6
Buenos Aires, Argentina	450	37.5	7.2	37.5	8.2	24.0	17.9	5.2	36.9	38.0
Ontario, Canada	650	66.1	4.6	66.1	3.7	22.3	1.6	1.7	68.1	64.0
Quebec, Canada	569	72.1	0.8	72.1	2.0	23.2	0.5	1.4	72.6	71.5
Norway (8)	686	40.4	7.8	40.4	10.5	33.3	7.6	0.4	42.0	38.8
Abu Dhabi, UAE	685	44.9	14.1	44.9	9.4	30.1	1.2	0.2	48.8	40.9
Dubai, UAE	869	66.8	5.9	66.8	3.9	22.3	0.7	0.3	68.5	64.9
Florida, US	290	70.7	8.5	70.7	7.1	12.8	0.5	0.4	72.2	69.3

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

M01_09 (M042240): Algebra / Applying Type: MC Key: D
Label: Value of x and y

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	57.7	7.7	21.8	8.3	57.7	4.0	0.6	56.4	59.0
Bahrain	701	61.4	8.7	19.3	9.0	61.4	1.0	0.7	62.6	60.1
Botswana	846	27.8	13.1	44.1	11.8	27.8	2.3	0.8	29.4	26.1
Canada	1253	60.8	8.7	18.1	8.3	60.8	2.6	1.6	63.9	57.4
Chile	697	28.8	14.4	34.1	15.5	28.8	6.2	1.1	26.6	30.9
Chinese Taipei	814	83.8	6.1	5.8	4.0	83.8	0.4	0.0	86.7	80.9
Egypt	1124	41.9	14.1	28.6	13.7	41.9	1.4	0.2	42.9	40.7
England	685	52.1	10.8	19.1	11.9	52.1	5.9	0.2	53.9	50.2
Georgia	569	52.1	10.4	24.7	7.9	52.1	2.9	2.0	57.4	46.8
Hong Kong SAR	598	79.3	9.5	5.2	4.8	79.3	0.9	0.3	80.8	77.9
Hungary	692	57.2	9.6	20.9	9.6	57.2	2.7	0.0	57.2	57.2
Iran, Islamic Rep. of	878	31.5	14.4	32.0	15.7	31.5	5.2	1.3	34.0	29.3
Ireland	671	57.5	11.2	20.4	9.1	57.5	1.5	0.3	59.8	55.2
Israel	782	61.2	10.6	14.8	7.6	61.2	4.3	1.6	63.8	58.8
Italy	642	59.0	9.6	21.5	7.3	59.0	2.3	0.3	64.5	53.8
Japan	678	70.8	8.6	13.5	5.9	70.8	0.8	0.3	73.5	68.0
Jordan	1128	38.8	12.5	35.3	10.6	38.8	2.3	0.5	44.9	33.1
Kazakhstan	706	68.7	6.1	19.0	3.9	68.7	1.4	0.8	69.9	67.7
Korea, Rep. of	761	86.1	6.4	2.9	4.1	86.1	0.2	0.2	88.4	84.0
Kuwait	608	39.4	13.8	26.9	11.2	39.4	5.2	3.4	44.0	34.9
Lebanon	546	48.0	11.5	19.2	10.0	48.0	7.5	3.7	52.6	41.8
Lithuania	617	70.6	5.7	18.3	4.4	70.6	0.9	0.0	72.2	69.0
Malaysia	1377	45.0	11.1	30.4	10.3	45.0	1.8	1.4	50.6	38.9
Malta	537	44.4	11.2	30.5	9.7	44.4	3.5	0.6	44.0	44.8
Morocco	1894	27.5	15.1	39.9	13.7	27.5	3.4	0.4	30.3	24.8
New Zealand	1180	46.4	12.4	24.6	13.2	46.4	3.1	0.3	47.6	45.0
Norway	667	43.3	9.2	25.7	13.2	43.3	7.2	1.4	42.9	43.6
Oman	1285	45.3	11.1	27.4	13.0	45.3	2.7	0.5	56.4	34.7
Qatar	764	46.1	11.1	27.7	10.5	46.1	3.1	1.4	48.4	43.7
Russian Federation	683	76.6	5.7	10.1	5.3	76.6	0.8	1.5	77.5	75.6
Saudi Arabia	545	35.1	16.5	31.3	15.5	35.1	1.3	0.2	34.2	36.1
Singapore	877	79.2	8.0	8.1	3.7	79.2	0.5	0.4	85.6	73.2
Slovenia	606	71.8	7.4	13.2	4.5	71.8	2.8	0.2	77.0	66.3
South Africa	1755	16.6	11.3	60.2	9.2	16.6	2.2	0.6	18.2	14.8
Sweden	582	32.8	11.4	38.0	9.7	32.8	6.3	1.7	32.8	32.7
Thailand	926	52.7	14.9	21.4	8.6	52.7	1.9	0.5	57.4	47.5
Turkey	865	51.4	14.8	19.6	12.5	51.4	1.5	0.1	56.1	47.2
United Arab Emirates	2555	49.5	9.6	28.1	10.1	49.5	2.3	0.4	50.9	47.9
United States	1438	66.7	7.3	17.5	5.4	66.7	1.6	1.5	68.5	64.9
International Avg (n=39)	36021	52.9	10.6	23.6	9.3	52.9	2.8	0.9	55.5	50.4
Buenos Aires, Argentina	443	24.0	11.0	25.3	11.3	24.0	22.9	5.6	25.9	21.3
Ontario, Canada	649	60.9	8.6	18.5	7.4	60.9	2.9	1.8	65.7	56.0
Quebec, Canada	563	61.5	7.8	18.5	8.2	61.5	2.5	1.5	60.0	63.2
Norway (8)	686	32.1	11.2	32.3	14.7	32.1	9.2	0.6	35.3	28.9
Abu Dhabi, UAE	685	41.3	12.0	32.0	12.7	41.3	1.7	0.2	42.1	40.6
Dubai, UAE	869	64.1	7.1	19.1	7.7	64.1	1.5	0.5	65.9	62.2
Florida, US	290	60.5	13.6	16.7	7.0	60.5	1.7	0.4	61.7	59.4

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

M01_10 (M042093): Algebra / Applying Type: CR 1 Point
Label: Temperature at mountain top

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	15.8	56.5	15.8	27.0	0.7	16.5	15.1
Bahrain	701	5.7	72.8	5.7	20.8	0.7	5.9	5.6
Botswana	846	1.9	85.2	1.9	12.0	0.8	2.1	1.8
Canada	1260	15.6	55.8	15.6	26.5	2.1	15.7	15.5
Chile	695	1.7	39.0	1.7	57.9	1.3	1.8	1.7
Chinese Taipei	814	61.2	27.6	61.2	11.2	0.0	60.3	62.1
Egypt	1124	7.2	73.3	7.2	19.2	0.2	8.3	6.0
England	685	14.4	48.8	14.4	36.6	0.2	14.1	14.6
Georgia	569	6.8	38.0	6.8	53.2	2.0	6.0	7.6
Hong Kong SAR	598	48.7	37.1	48.7	13.9	0.3	45.0	51.9
Hungary	692	16.1	43.3	16.1	40.6	0.0	17.4	14.9
Iran, Islamic Rep. of	878	4.7	42.0	4.7	52.0	1.3	3.5	5.8
Ireland	671	17.8	54.1	17.8	27.7	0.3	16.3	19.4
Israel	782	16.2	44.3	16.2	37.9	1.7	16.5	15.9
Italy	642	7.7	37.4	7.7	54.6	0.3	5.9	9.3
Japan	678	42.4	39.9	42.4	17.4	0.3	43.8	40.9
Jordan	1128	4.1	71.0	4.1	24.4	0.5	4.3	4.0
Kazakhstan	706	38.9	41.6	38.9	18.6	0.8	39.5	38.4
Korea, Rep. of	761	53.5	38.3	53.5	8.0	0.2	51.5	55.2
Kuwait	608	4.2	63.7	4.2	28.4	3.7	4.8	3.7
Lebanon	548	7.1	45.5	7.1	43.5	3.8	7.4	6.7
Lithuania	617	19.3	38.9	19.3	41.8	0.0	21.2	17.3
Malaysia	1377	8.6	60.4	8.6	29.6	1.4	8.6	8.6
Malta	537	20.0	46.8	20.0	32.4	0.8	18.6	21.3
Morocco	1894	2.1	63.2	2.1	34.4	0.4	2.3	1.9
New Zealand	1180	9.1	58.9	9.1	31.7	0.3	7.6	10.8
Norway	667	7.0	52.9	7.0	38.4	1.6	7.5	6.5
Oman	1285	7.4	77.2	7.4	14.8	0.5	11.1	3.9
Qatar	764	10.8	63.0	10.8	24.7	1.5	10.8	10.9
Russian Federation	683	39.6	23.9	39.6	35.0	1.5	35.4	43.8
Saudi Arabia	545	5.2	78.2	5.2	16.4	0.2	3.8	6.7
Singapore	876	57.0	33.0	57.0	9.7	0.4	63.2	51.0
Slovenia	605	14.1	42.4	14.1	43.2	0.2	14.3	13.9
South Africa	1752	2.9	85.7	2.9	10.6	0.9	3.0	2.8
Sweden	581	8.1	52.3	8.1	37.7	1.9	7.2	9.0
Thailand	926	6.8	68.0	6.8	24.5	0.6	5.8	7.9
Turkey	865	5.7	71.3	5.7	22.9	0.1	6.2	5.3
United Arab Emirates	2554	16.1	65.9	16.1	17.5	0.5	17.1	15.0
United States	1438	22.3	65.6	22.3	10.5	1.6	22.3	22.3
International Avg (n=39)	36021	16.8	53.9	16.8	28.4	0.9	16.7	16.8
Buenos Aires, Argentina	466	0.5	24.9	0.5	67.5	7.1	0.6	0.5
Ontario, Canada	650	16.1	58.6	16.1	23.1	2.3	16.9	15.2
Quebec, Canada	569	16.4	48.1	16.4	33.4	2.1	13.3	20.0
Norway (8)	686	4.6	55.3	4.6	39.5	0.6	3.9	5.3
Abu Dhabi, UAE	685	13.1	70.2	13.1	16.5	0.2	13.7	12.4
Dubai, UAE	869	26.3	55.8	26.3	17.4	0.5	27.0	25.6
Florida, US	290	17.5	65.0	17.5	16.9	0.6	21.4	14.3

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.

M01_11 (M042271): Geometry / Applying Type: MC Key: C
Label: How many cubes were left

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	68.0	3.1	11.3	68.0	15.5	1.0	1.1	67.9	68.1
Bahrain	701	55.8	5.4	13.9	55.8	23.4	0.9	0.7	58.5	53.0
Botswana	846	18.4	8.8	6.5	18.4	61.8	2.9	1.6	15.3	21.7
Canada	1260	68.6	3.2	9.2	68.6	15.0	1.7	2.3	69.7	67.4
Chile	695	45.1	6.1	11.7	45.1	32.5	2.8	1.8	40.3	49.4
Chinese Taipei	814	76.6	4.0	6.3	76.6	13.0	0.1	0.0	74.4	78.7
Egypt	1124	25.8	14.0	15.7	25.8	42.9	1.1	0.4	25.1	26.6
England	685	64.5	4.6	11.9	64.5	16.2	2.4	0.4	65.0	63.9
Georgia	569	31.3	16.0	22.8	31.3	22.8	4.9	2.2	27.8	34.9
Hong Kong SAR	598	74.1	5.3	14.1	74.1	6.0	0.2	0.3	72.3	75.6
Hungary	692	70.9	3.4	14.3	70.9	10.6	0.8	0.0	69.9	71.8
Iran, Islamic Rep. of	878	36.5	11.5	14.9	36.5	31.8	3.7	1.7	36.8	36.2
Ireland	671	68.5	2.1	7.9	68.5	19.4	1.8	0.4	68.3	68.7
Israel	782	57.1	6.3	10.1	57.1	20.7	3.4	2.5	59.9	54.6
Italy	642	63.0	1.7	7.8	63.0	25.3	1.8	0.4	61.6	64.4
Japan	678	71.9	2.6	12.8	71.9	12.3	0.1	0.3	69.3	74.6
Jordan	1128	26.6	9.1	10.5	26.6	51.3	1.8	0.7	27.6	25.5
Kazakhstan	706	54.5	5.3	13.3	54.5	24.9	1.1	0.8	51.5	57.3
Korea, Rep. of	761	80.1	2.7	8.6	80.1	7.6	0.8	0.2	77.2	82.8
Kuwait	608	28.5	8.2	16.0	28.5	40.4	2.2	4.6	27.9	29.2
Lebanon	547	29.7	10.5	11.3	29.7	38.5	5.9	4.1	29.5	30.1
Lithuania	617	73.3	2.6	8.5	73.3	14.8	0.5	0.3	74.4	72.2
Malaysia	1377	41.0	10.2	14.6	41.0	30.4	1.9	2.0	41.2	40.8
Malta	537	51.3	8.8	11.8	51.3	25.3	1.8	1.0	51.6	50.9
Morocco	1894	21.8	12.6	14.2	21.8	49.5	1.6	0.4	22.1	21.6
New Zealand	1180	60.9	4.3	14.7	60.9	18.1	1.7	0.5	65.4	55.5
Norway	667	64.7	4.6	14.6	64.7	12.2	1.9	2.0	63.8	65.7
Oman	1287	36.2	7.9	12.2	36.2	41.7	1.3	0.7	39.0	33.5
Qatar	764	38.3	8.9	14.3	38.3	33.8	2.8	1.8	43.2	33.2
Russian Federation	683	61.5	5.3	12.4	61.5	15.3	3.8	1.7	59.7	63.3
Saudi Arabia	545	27.6	12.2	13.6	27.6	46.0	0.3	0.2	30.1	25.0
Singapore	876	76.8	1.9	7.3	76.8	12.9	0.5	0.5	76.4	77.2
Slovenia	605	59.0	10.2	12.8	59.0	16.4	1.4	0.2	56.4	61.8
South Africa	1752	18.9	14.6	9.7	18.9	53.6	1.9	1.2	17.6	20.3
Sweden	582	63.0	3.3	14.5	63.0	14.0	3.2	2.0	61.0	65.0
Thailand	925	25.7	16.0	19.7	25.7	35.4	2.6	0.7	25.7	25.7
Turkey	865	41.7	10.0	18.9	41.7	28.0	1.3	0.1	40.6	42.6
United Arab Emirates	2555	41.6	7.7	11.3	41.6	37.0	1.7	0.8	43.4	39.7
United States	1438	61.1	4.4	10.6	61.1	20.9	1.1	1.9	62.1	60.1
International Avg (n=39)	36023	50.8	7.2	12.5	50.8	26.6	1.9	1.1	50.5	51.0
Buenos Aires, Argentina	450	35.2	10.9	11.2	35.2	30.0	6.6	6.2	38.5	31.3
Ontario, Canada	650	65.6	4.4	8.9	65.6	16.5	2.1	2.5	67.1	64.1
Quebec, Canada	569	77.4	1.7	5.8	77.4	11.5	1.2	2.4	75.4	79.8
Norway (8)	686	58.9	7.4	15.1	58.9	14.8	3.0	1.0	56.8	60.9
Abu Dhabi, UAE	685	36.7	9.4	11.2	36.7	39.6	2.3	0.8	41.4	31.8
Dubai, UAE	869	51.7	4.6	10.3	51.7	31.2	1.7	0.5	51.2	52.4
Florida, US	290	52.2	4.5	13.9	52.2	27.8	0.6	1.0	53.9	50.8

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

M01_12 (M042268): Geometry / Reasoning Type: MC Key: B
Label: Area of the triangle ABC

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	25.7	25.6	25.7	26.7	16.9	4.0	1.1	21.9	29.7
Bahrain	701	37.4	30.8	37.4	16.3	12.9	2.0	0.7	28.4	46.2
Botswana	846	10.2	52.9	10.2	10.2	21.4	3.2	2.1	8.0	12.6
Canada	1259	29.5	25.8	29.5	21.6	17.1	3.4	2.7	27.8	31.2
Chile	695	20.4	35.6	20.4	16.6	17.8	7.8	1.8	16.1	24.3
Chinese Taipei	814	77.7	7.7	77.7	8.2	5.9	0.5	0.0	77.0	78.3
Egypt	1124	26.0	38.5	26.0	13.9	19.9	1.1	0.5	26.6	25.3
England	685	24.0	19.9	24.0	26.6	24.4	4.7	0.4	24.8	23.2
Georgia	569	24.2	37.1	24.2	15.2	16.2	5.2	2.2	20.0	28.3
Hong Kong SAR	598	68.0	8.0	68.0	14.9	8.2	0.6	0.3	68.9	67.3
Hungary	692	36.1	26.5	36.1	20.2	12.9	4.3	0.0	35.5	36.7
Iran, Islamic Rep. of	878	23.4	33.4	23.4	15.9	19.3	6.0	2.0	22.3	24.5
Ireland	671	22.0	22.6	22.0	26.4	24.7	4.0	0.4	18.6	25.4
Israel	782	33.4	24.4	33.4	18.9	15.7	5.1	2.6	32.3	34.4
Italy	642	47.0	21.8	47.0	13.2	14.9	2.7	0.4	48.6	45.5
Japan	678	45.1	17.4	45.1	25.4	10.9	0.9	0.3	46.6	43.5
Jordan	1128	20.1	49.2	20.1	13.1	14.2	2.5	0.9	17.5	22.6
Kazakhstan	706	45.9	25.7	45.9	9.1	15.5	2.9	0.8	43.6	48.2
Korea, Rep. of	761	53.4	10.7	53.4	25.4	8.2	1.8	0.4	50.8	55.6
Kuwait	608	18.5	48.7	18.5	12.5	12.8	2.8	4.7	12.3	24.8
Lebanon	547	23.3	39.1	23.3	11.1	16.1	6.3	4.1	23.4	23.2
Lithuania	617	34.4	18.0	34.4	25.7	17.5	4.1	0.3	32.8	35.9
Malaysia	1377	31.8	21.3	31.8	24.7	17.1	3.2	2.0	32.7	30.9
Malta	537	20.0	28.5	20.0	22.5	24.3	3.5	1.1	20.0	20.1
Morocco	1894	14.9	48.8	14.9	9.1	23.8	3.0	0.5	13.6	16.0
New Zealand	1180	21.9	28.6	21.9	27.2	19.1	2.9	0.5	19.2	25.1
Norway	667	26.2	21.0	26.2	26.2	19.6	4.9	2.2	21.5	30.9
Oman	1287	21.3	42.7	21.3	15.6	17.5	2.3	0.7	19.0	23.4
Qatar	764	20.3	40.2	20.3	14.8	18.8	3.9	2.0	16.9	23.8
Russian Federation	683	44.5	19.1	44.5	13.8	14.6	6.3	1.7	42.2	46.8
Saudi Arabia	544	18.2	49.2	18.2	17.0	14.2	1.2	0.2	13.5	23.2
Singapore	876	72.1	9.6	72.1	10.5	6.5	0.8	0.5	75.0	69.3
Slovenia	605	22.4	20.2	22.4	28.8	21.6	6.9	0.2	22.2	22.7
South Africa	1752	11.4	64.8	11.4	7.3	13.0	2.0	1.5	11.2	11.6
Sweden	582	24.2	20.3	24.2	27.1	21.0	5.2	2.2	22.9	25.4
Thailand	926	29.2	36.5	29.2	16.4	15.0	2.3	0.7	29.3	29.0
Turkey	865	38.2	28.9	38.2	15.5	16.4	0.8	0.2	40.3	36.3
United Arab Emirates	2555	24.3	40.5	24.3	16.0	15.8	2.7	0.8	21.8	26.8
United States	1438	23.1	29.3	23.1	21.1	22.2	2.4	2.0	21.3	24.9
International Avg (n=39)	36022	31.0	30.0	31.0	18.0	16.5	3.3	1.2	29.4	32.6
Buenos Aires, Argentina	452	17.9	37.4	17.9	11.9	11.9	14.6	6.2	18.6	17.4
Ontario, Canada	649	31.7	25.4	31.7	20.3	16.6	2.8	3.1	30.8	32.7
Quebec, Canada	569	27.0	24.5	27.0	24.3	16.7	5.1	2.4	24.5	29.9
Norway (8)	686	24.9	24.9	24.9	26.0	19.5	3.7	1.0	21.9	27.9
Abu Dhabi, UAE	685	19.4	45.8	19.4	15.0	16.5	2.5	0.8	16.8	22.0
Dubai, UAE	869	34.6	31.6	34.6	17.1	12.7	3.5	0.6	29.1	40.5
Florida, US	290	27.4	25.0	27.4	24.3	19.3	3.0	1.0	25.2	29.3

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

M01_13 (M042159): Data and Chance / Applying Type: CR 1 Point
Label: Complete the bar chart

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	73.9	13.0	8.2	73.9	3.6	1.3	73.8	74.1
Bahrain	701	67.0	12.8	10.8	67.0	8.6	0.8	76.4	57.7
Botswana	846	43.6	23.3	23.4	43.6	6.3	3.3	42.5	44.8
Canada	1260	58.6	20.1	14.6	58.6	3.3	3.4	59.8	57.2
Chile	697	56.4	15.5	9.6	56.4	15.2	3.2	57.0	55.9
Chinese Taipei	814	75.7	16.3	5.7	75.7	2.2	0.1	80.2	71.2
Egypt	1124	53.3	20.1	14.3	53.3	11.5	0.9	58.5	47.6
England	685	57.7	27.0	11.6	57.7	3.0	0.6	59.1	56.3
Georgia	569	51.8	12.9	11.5	51.8	21.0	2.9	52.1	51.4
Hong Kong SAR	598	84.5	8.0	5.6	84.5	1.5	0.3	88.1	81.3
Hungary	692	69.9	15.0	8.5	69.9	6.2	0.3	67.7	71.9
Iran, Islamic Rep. of	878	56.2	9.1	19.1	56.2	12.4	3.2	66.0	47.4
Ireland	671	53.1	27.4	16.5	53.1	2.2	0.8	52.0	54.2
Israel	782	64.1	8.3	12.4	64.1	11.2	4.1	65.3	63.0
Italy	642	60.4	22.7	9.4	60.4	6.6	0.8	60.4	60.5
Japan	678	78.8	12.7	5.4	78.8	2.6	0.5	80.1	77.4
Jordan	1128	41.6	9.6	34.9	41.6	12.2	1.6	45.5	37.8
Kazakhstan	706	64.2	9.0	12.3	64.2	13.2	1.2	63.3	65.1
Korea, Rep. of	761	71.1	23.1	4.5	71.1	0.8	0.4	72.8	69.7
Kuwait	608	58.5	9.3	9.5	58.5	17.0	5.7	75.2	41.7
Lebanon	548	68.9	7.2	6.4	68.9	12.9	4.6	68.7	69.1
Lithuania	617	81.0	10.0	6.8	81.0	1.7	0.4	82.3	79.8
Malaysia	1377	63.0	19.8	5.1	63.0	9.2	2.9	64.8	61.0
Malta	537	75.8	7.0	10.7	75.8	5.0	1.5	77.3	74.3
Morocco	1894	61.4	4.4	19.8	61.4	13.4	1.0	59.9	62.7
New Zealand	1180	50.8	28.5	15.7	50.8	4.1	0.9	52.4	48.8
Norway	667	69.2	17.7	6.4	69.2	3.7	3.1	72.0	66.3
Oman	1286	61.2	12.6	16.3	61.2	9.0	0.9	68.3	54.4
Qatar	764	61.9	12.1	14.6	61.9	8.6	2.7	67.7	55.8
Russian Federation	683	69.9	11.8	6.6	69.9	9.4	2.3	72.6	67.2
Saudi Arabia	545	49.1	16.8	26.5	49.1	7.1	0.4	50.0	48.2
Singapore	876	82.9	12.7	2.5	82.9	1.1	0.9	81.6	84.1
Slovenia	604	81.2	9.2	5.4	81.2	3.8	0.4	83.0	79.2
South Africa	1752	52.3	17.2	21.5	52.3	7.2	1.8	52.9	51.7
Sweden	579	56.8	20.2	13.0	56.8	6.5	3.4	56.5	57.1
Thailand	926	63.9	5.8	16.8	63.9	12.0	1.4	68.6	58.9
Turkey	865	62.0	9.1	21.7	62.0	6.9	0.3	63.6	60.6
United Arab Emirates	2555	66.5	12.8	12.2	66.5	7.0	1.4	72.1	60.8
United States	1438	64.4	18.1	12.6	64.4	2.6	2.4	62.9	65.9
International Avg (n=39)	36022	63.7	14.6	12.5	63.7	7.5	1.8	66.0	61.3
Buenos Aires, Argentina	466	35.8	9.5	14.9	35.8	29.1	10.6	35.8	35.8
Ontario, Canada	650	58.8	20.7	13.8	58.8	3.0	3.7	58.9	58.8
Quebec, Canada	569	55.5	21.4	14.9	55.5	4.7	3.5	59.0	51.3
Norway (8)	686	71.1	14.8	7.6	71.1	5.4	1.1	76.5	65.7
Abu Dhabi, UAE	685	60.4	13.5	17.2	60.4	7.8	1.0	68.1	52.4
Dubai, UAE	869	74.9	11.8	7.2	74.9	4.8	1.4	77.0	72.6
Florida, US	290	61.8	16.3	14.2	61.8	5.5	2.2	67.4	57.1

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.

M01_14 (M042164): Data and Chance / Reasoning Type: CR 1 Point
Label: Agree/disagree with the salesman

COUNTRY	N	10 %	11 %	12 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	4.1	30.7	12.4	5.3	39.5	47.2	5.2	2.7	45.7	48.7
Bahrain	701	1.0	14.4	5.2	12.0	51.4	20.7	10.6	5.4	21.7	19.7
Botswana	846	0.2	7.8	2.8	4.1	71.1	10.8	7.9	6.0	12.4	9.1
Canada	1260	2.9	45.1	10.8	11.0	19.5	58.8	5.8	4.8	58.5	59.0
Chile	697	0.6	11.3	6.5	18.0	37.1	18.4	16.5	10.1	15.8	20.7
Chinese Taipei	814	2.4	53.8	7.5	2.2	29.0	63.6	4.2	1.0	66.4	60.9
Egypt	1124	3.1	1.5	2.8	3.3	51.5	7.4	30.5	7.2	8.6	6.1
England	685	2.6	41.0	9.9	7.7	29.0	53.5	7.8	1.8	51.3	55.8
Georgia	569	1.5	14.9	11.7	3.1	43.1	28.1	15.1	10.6	29.9	26.3
Hong Kong SAR	598	8.8	53.4	11.2	1.2	20.6	73.5	3.7	1.0	71.9	74.9
Hungary	692	2.3	33.7	12.5	9.3	31.6	48.5	8.4	2.1	46.3	50.5
Iran, Islamic Rep. of	878	1.1	11.5	4.4	7.6	52.7	17.0	14.6	8.1	15.9	18.0
Ireland	671	4.7	40.8	12.5	9.5	26.6	58.0	4.4	1.6	57.2	58.7
Israel	782	1.6	36.1	15.0	4.8	24.1	52.8	10.0	8.3	53.3	52.3
Italy	642	0.3	23.5	5.9	4.0	50.5	29.7	13.2	2.7	28.2	31.0
Japan	678	6.1	37.1	14.7	10.1	22.3	57.8	8.4	1.4	59.4	56.2
Jordan	1128	2.3	4.6	1.9	2.3	64.6	8.9	17.8	6.4	9.1	8.7
Kazakhstan	706	24.2	8.3	6.7	9.8	34.1	39.2	10.3	6.6	37.9	40.4
Korea, Rep. of	761	2.2	52.9	15.8	7.0	17.5	71.0	3.7	0.8	72.0	70.1
Kuwait	607	2.1	5.8	5.0	5.6	41.4	12.9	25.9	14.2	14.4	11.4
Lebanon	548	0.6	8.2	0.6	4.9	37.0	9.4	38.2	10.5	11.9	6.1
Lithuania	617	1.9	27.4	18.2	6.1	38.7	47.5	6.5	1.2	44.5	50.5
Malaysia	1377	0.0	13.7	3.6	5.8	50.5	17.3	19.4	7.0	19.5	14.9
Malta	537	0.9	26.8	12.2	7.0	35.9	39.9	13.1	4.0	41.1	38.7
Morocco	1894	1.6	0.5	0.1	0.0	55.3	2.2	35.2	7.2	1.9	2.4
New Zealand	1180	4.4	29.0	8.5	5.3	43.2	41.8	7.1	2.5	44.2	39.1
Norway	667	5.4	33.9	15.5	7.3	28.8	54.8	4.7	4.3	52.1	57.6
Oman	1284	1.3	9.3	2.8	10.2	60.7	13.4	11.7	4.1	17.7	9.3
Qatar	764	0.9	14.2	5.1	11.7	45.8	20.1	14.8	7.6	20.1	20.1
Russian Federation	683	1.3	22.5	13.4	5.7	35.6	37.3	15.4	6.0	32.3	42.3
Saudi Arabia	545	1.2	3.7	2.4	12.7	51.8	7.3	24.2	4.0	5.5	9.2
Singapore	876	8.3	58.5	7.2	5.6	16.4	74.0	2.3	1.7	78.4	69.9
Slovenia	604	4.3	26.6	14.1	14.4	34.1	45.1	4.8	1.5	44.5	45.7
South Africa	1752	0.3	4.5	4.4	11.7	67.8	9.2	7.6	3.7	10.6	7.7
Sweden	579	8.8	29.1	8.8	9.5	23.2	46.6	13.7	7.0	48.3	45.0
Thailand	926	0.1	9.1	3.4	7.4	53.3	12.6	18.7	8.0	14.4	10.7
Turkey	865	2.2	23.2	11.5	6.7	41.2	36.9	11.4	3.8	39.1	34.9
United Arab Emirates	2554	1.6	19.4	4.8	8.1	50.2	25.9	11.3	4.5	26.5	25.2
United States	1438	1.8	39.8	9.8	6.0	35.8	51.4	3.6	3.2	52.1	50.7
International Avg (n=39)	36018	3.1	23.8	8.2	7.3	40.1	35.1	12.5	5.0	35.4	34.8
Buenos Aires, Argentina	465	0.1	9.9	4.8	7.5	31.9	14.8	24.8	21.1	14.0	15.7
Ontario, Canada	650	2.9	44.8	8.7	11.2	20.7	56.4	6.8	5.0	57.7	55.0
Quebec, Canada	569	3.1	49.6	13.7	8.3	16.2	66.4	3.5	5.7	63.3	70.0
Norway (8)	686	2.9	27.8	14.9	7.9	36.6	45.5	6.8	3.2	42.0	49.1
Abu Dhabi, UAE	685	0.9	15.6	3.6	4.4	59.7	20.0	11.0	5.0	23.7	16.1
Dubai, UAE	869	1.3	32.9	7.4	10.6	37.0	41.6	7.6	3.3	40.5	42.8
Florida, US	290	1.8	33.0	5.2	5.0	41.8	40.0	8.0	5.1	38.6	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.

M01_15 (M042167): Data and Chance / Reasoning Type: CR 1 Point
Label: Overall average of 9 for Ahmed

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1489	23.3	63.1	23.3	8.7	4.9	22.2	24.5
Bahrain	701	9.9	67.8	9.9	13.6	8.7	9.4	10.3
Botswana	846	1.6	76.7	1.6	12.5	9.2	1.4	1.8
Canada	1260	34.3	47.9	34.3	10.1	7.7	34.3	34.3
Chile	697	10.9	52.6	10.9	21.1	15.4	9.6	12.1
Chinese Taipei	814	55.3	37.3	55.3	5.1	2.4	50.7	59.7
Egypt	1124	4.4	55.9	4.4	22.9	16.8	5.6	3.0
England	685	24.6	58.8	24.6	10.4	6.2	23.8	25.4
Georgia	569	23.3	42.1	23.3	20.0	14.6	19.9	26.7
Hong Kong SAR	598	59.3	33.4	59.3	4.2	3.2	58.2	60.2
Hungary	692	38.8	45.4	38.8	11.5	4.3	35.3	41.9
Iran, Islamic Rep. of	878	16.0	55.7	16.0	15.6	12.6	16.3	15.8
Ireland	671	39.0	51.0	39.0	6.5	3.5	38.5	39.4
Israel	782	37.5	36.7	37.5	15.0	10.7	37.8	37.3
Italy	642	38.4	47.1	38.4	7.5	6.9	36.2	40.5
Japan	678	45.2	43.6	45.2	7.5	3.7	45.1	45.4
Jordan	1128	3.9	68.7	3.9	15.2	12.2	4.1	3.8
Kazakhstan	706	26.9	52.3	26.9	11.6	9.1	27.5	26.4
Korea, Rep. of	761	58.7	34.2	58.7	5.0	2.1	56.5	60.8
Kuwait	608	6.3	49.9	6.3	20.4	23.4	5.4	7.3
Lebanon	548	9.3	39.4	9.3	28.4	22.9	10.7	7.3
Lithuania	617	59.0	32.1	59.0	4.5	4.5	60.0	57.9
Malaysia	1377	8.1	56.5	8.1	20.0	15.4	9.5	6.6
Malta	537	16.9	56.7	16.9	15.9	10.4	12.0	21.8
Morocco	1894	4.1	50.6	4.1	25.3	20.0	3.4	4.8
New Zealand	1180	19.1	63.4	19.1	10.9	6.6	18.0	20.4
Norway	667	43.0	40.4	43.0	9.6	7.0	44.2	41.7
Oman	1283	5.5	76.0	5.5	11.4	7.2	7.2	3.8
Qatar	764	10.3	59.7	10.3	17.3	12.8	10.4	10.1
Russian Federation	683	27.0	41.6	27.0	18.2	13.2	28.2	25.8
Saudi Arabia	545	3.4	70.2	3.4	15.2	11.1	2.7	4.2
Singapore	876	63.8	29.6	63.8	3.5	3.2	68.2	59.6
Slovenia	606	37.2	51.6	37.2	8.0	3.3	37.0	37.3
South Africa	1752	2.6	79.1	2.6	11.2	7.2	2.9	2.2
Sweden	580	22.0	51.1	22.0	13.6	13.4	20.3	23.8
Thailand	926	8.5	58.8	8.5	19.0	13.8	7.6	9.4
Turkey	865	34.8	50.1	34.8	8.1	7.0	33.4	36.0
United Arab Emirates	2555	14.2	65.0	14.2	12.4	8.4	12.5	15.9
United States	1438	26.0	64.5	26.0	4.3	5.2	24.8	27.2
International Avg (n=39)	36022	24.9	52.7	24.9	12.9	9.5	24.4	25.4
Buenos Aires, Argentina	466	20.4	33.2	20.4	19.8	26.6	19.5	21.0
Ontario, Canada	650	33.3	47.7	33.3	10.8	8.3	34.0	32.5
Quebec, Canada	569	39.7	43.0	39.7	9.4	7.9	36.4	43.6
Norway (8)	686	33.6	51.2	33.6	9.4	5.7	34.2	33.1
Abu Dhabi, UAE	685	9.0	70.4	9.0	12.4	8.2	7.6	10.4
Dubai, UAE	869	24.6	57.9	24.6	11.1	6.4	22.6	26.8
Florida, US	290	18.9	65.2	18.9	7.6	8.4	18.6	19.1

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.

M02_01 (M062208): Number / Knowing Type: CR 1 Point
Label: T or F for n (DERIVED)

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	54.6	11.5	30.8	54.6	3.0	0.1	56.1	53.0
Bahrain	709	40.6	15.0	41.9	40.6	2.4	0.2	41.3	40.0
Botswana	847	28.9	11.9	55.8	28.9	2.5	0.9	30.2	27.4
Canada	1254	67.8	7.8	20.2	67.8	3.3	1.0	68.9	66.6
Chile	705	38.2	16.7	39.8	38.2	4.7	0.6	42.8	34.4
Chinese Taipei	818	85.0	4.9	9.8	85.0	0.2	0.0	86.5	83.7
Egypt	1126	39.6	14.3	42.3	39.6	3.8	0.1	41.8	37.2
England	687	50.0	11.6	33.4	50.0	4.8	0.2	53.3	46.9
Georgia	571	56.2	9.4	27.4	56.2	6.7	0.4	64.2	49.4
Hong Kong SAR	605	84.7	5.1	9.8	84.7	0.5	0.0	85.3	84.2
Hungary	702	71.6	8.1	18.9	71.6	1.4	0.0	73.5	69.6
Iran, Islamic Rep. of	885	42.4	13.9	40.6	42.4	2.7	0.4	47.4	37.9
Ireland	659	63.1	10.1	25.3	63.1	1.4	0.1	62.5	63.8
Israel	788	63.3	9.1	20.5	63.3	5.6	1.5	67.2	59.4
Italy	649	65.1	8.9	22.4	65.1	3.4	0.1	69.6	61.5
Japan	672	72.6	9.1	16.4	72.6	1.7	0.1	73.6	71.6
Jordan	1125	34.1	17.4	43.8	34.1	3.9	0.8	36.7	31.7
Kazakhstan	699	69.9	6.4	21.6	69.9	1.4	0.6	70.2	69.7
Korea, Rep. of	761	74.5	11.3	13.4	74.5	0.6	0.2	77.0	72.3
Kuwait	610	38.7	16.7	40.8	38.7	3.7	0.1	41.3	36.3
Lebanon	550	56.3	11.9	27.4	56.3	4.4	0.1	55.3	57.6
Lithuania	630	61.6	13.2	21.8	61.6	3.4	0.0	61.7	61.5
Malaysia	1384	44.5	14.6	37.8	44.5	1.9	1.3	47.8	40.7
Malta	544	53.1	8.7	35.8	53.1	1.8	0.6	55.7	50.7
Morocco	1886	42.0	17.2	38.1	42.0	2.4	0.3	44.5	39.8
New Zealand	1172	48.0	14.8	34.8	48.0	2.4	0.0	52.1	43.0
Norway	667	53.7	8.1	30.8	53.7	6.8	0.6	56.3	51.2
Oman	1291	39.8	13.8	42.9	39.8	3.3	0.2	44.2	35.7
Qatar	770	48.6	10.5	33.5	48.6	6.9	0.6	48.5	48.6
Russian Federation	684	76.8	6.8	12.8	76.8	3.1	0.5	75.5	78.0
Saudi Arabia	540	29.7	17.0	50.2	29.7	2.2	0.8	30.0	29.5
Singapore	880	81.5	5.5	12.5	81.5	0.3	0.1	84.8	78.6
Slovenia	614	75.7	7.6	15.6	75.7	1.1	0.0	80.1	71.7
South Africa	1769	23.3	17.7	57.2	23.3	1.4	0.3	24.4	22.2
Sweden	578	58.7	12.3	24.6	58.7	3.0	1.4	63.3	54.6
Thailand	922	38.9	14.2	41.8	38.9	5.0	0.1	42.5	34.7
Turkey	870	41.4	16.2	40.7	41.4	1.7	0.1	42.7	40.2
United Arab Emirates	2570	54.2	14.2	29.7	54.2	1.8	0.2	59.0	49.2
United States	1442	63.7	8.9	24.3	63.7	2.5	0.7	66.4	60.8
International Avg (n=39)	36139	54.7	11.6	30.4	54.7	2.9	0.4	57.0	52.4
Buenos Aires, Argentina	467	42.4	8.9	25.6	42.4	20.4	2.7	44.9	39.8
Ontario, Canada	647	64.6	8.4	22.1	64.6	3.4	1.5	64.4	64.7
Quebec, Canada	566	73.7	8.2	15.9	73.7	2.1	0.1	77.1	69.7
Norway (8)	683	40.2	14.9	35.9	40.2	9.0	0.1	41.2	38.9
Abu Dhabi, UAE	691	45.8	15.0	37.4	45.8	1.6	0.2	52.6	38.9
Dubai, UAE	880	68.6	10.5	19.8	68.6	0.8	0.3	72.0	65.0
Florida, US	292	59.1	9.8	27.6	59.1	2.1	1.5	59.6	58.7

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.

M02_01A (M062208A): Number / Knowing Type: MC Key: A
Label: T or F for n - addition

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	89.1	89.1	7.4	3.3	0.1	89.8	88.4
Bahrain	709	79.7	79.7	17.7	2.4	0.2	78.3	80.9
Botswana	847	78.3	78.3	13.8	7.1	0.9	82.2	74.0
Canada	1254	89.5	89.5	6.3	3.3	1.0	90.3	88.7
Chile	705	82.9	82.9	11.0	5.5	0.6	82.6	83.2
Chinese Taipei	818	95.0	95.0	4.3	0.7	0.0	94.1	95.9
Egypt	1126	75.6	75.6	15.7	8.5	0.1	78.7	72.3
England	688	81.4	81.4	13.1	5.2	0.2	82.1	80.8
Georgia	571	84.5	84.5	5.8	9.3	0.4	87.5	81.9
Hong Kong SAR	605	94.6	94.6	4.0	1.4	0.0	93.6	95.6
Hungary	702	90.9	90.9	7.6	1.5	0.0	90.7	91.0
Iran, Islamic Rep. of	885	79.7	79.7	14.1	5.8	0.4	84.6	75.4
Ireland	659	93.3	93.3	5.2	1.4	0.1	92.2	94.4
Israel	788	85.0	85.0	7.3	6.2	1.5	88.2	81.9
Italy	649	88.6	88.6	7.2	4.0	0.1	91.9	85.9
Japan	672	90.3	90.3	6.9	2.6	0.1	92.0	88.7
Jordan	1125	76.8	76.8	15.8	6.6	0.8	80.0	74.0
Kazakhstan	699	90.2	90.2	6.3	2.8	0.6	92.1	88.3
Korea, Rep. of	761	95.6	95.6	2.7	1.5	0.2	97.1	94.3
Kuwait	610	79.2	79.2	14.9	5.8	0.1	83.5	75.3
Lebanon	550	77.7	77.7	17.3	5.0	0.1	74.9	81.4
Lithuania	630	89.8	89.8	5.5	4.7	0.0	88.1	91.4
Malaysia	1384	85.6	85.6	10.2	3.0	1.3	86.3	84.7
Malta	544	86.0	86.0	10.7	2.7	0.6	86.7	85.3
Morocco	1886	78.1	78.1	16.0	5.5	0.3	77.7	78.5
New Zealand	1172	83.7	83.7	13.3	3.0	0.0	84.9	82.2
Norway	667	82.7	82.7	9.1	7.6	0.6	83.9	81.5
Oman	1291	77.2	77.2	17.5	5.2	0.2	76.8	77.5
Qatar	770	76.8	76.8	14.2	8.4	0.6	76.0	77.7
Russian Federation	684	91.9	91.9	4.3	3.3	0.5	91.3	92.5
Saudi Arabia	541	72.8	72.8	21.5	4.9	0.8	73.0	72.6
Singapore	880	94.8	94.8	4.4	0.7	0.1	96.8	93.0
Slovenia	614	92.9	92.9	6.0	1.1	0.0	94.5	91.3
South Africa	1769	81.2	81.2	15.7	2.8	0.3	83.1	79.2
Sweden	578	87.3	87.3	6.7	4.6	1.4	88.6	86.2
Thailand	922	84.4	84.4	9.0	6.5	0.1	87.6	80.7
Turkey	870	86.6	86.6	11.3	2.1	0.1	87.1	86.1
United Arab Emirates	2570	86.1	86.1	10.1	3.6	0.2	88.5	83.5
United States	1442	91.2	91.2	5.3	2.8	0.7	91.8	90.6
International Avg (n=39)	36141	85.3	85.3	10.1	4.2	0.4	86.4	84.3
Buenos Aires, Argentina	467	66.6	66.6	8.6	22.0	2.7	64.5	68.5
Ontario, Canada	647	87.4	87.4	7.6	3.4	1.5	87.7	87.2
Quebec, Canada	566	93.8	93.8	4.0	2.1	0.1	94.8	92.7
Norway (8)	683	76.7	76.7	11.9	11.3	0.1	78.7	74.4
Abu Dhabi, UAE	691	83.3	83.3	12.9	3.6	0.2	85.4	81.3
Dubai, UAE	880	91.7	91.7	6.0	1.9	0.3	92.3	91.2
Florida, US	292	87.5	87.5	8.3	2.8	1.5	90.1	85.6

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

M02_01B (M062208B): Number / Knowing Type: MC Key: B
Label: T or F for n - subtraction

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	68.8	24.3	68.8	6.7	0.1	70.0	67.7
Bahrain	709	65.4	32.0	65.4	2.4	0.2	69.3	61.7
Botswana	847	46.5	39.4	46.5	13.3	0.9	44.8	48.2
Canada	1254	78.8	16.5	78.8	3.8	1.0	79.7	77.9
Chile	705	55.6	37.9	55.6	5.9	0.6	57.5	54.1
Chinese Taipei	818	90.0	9.2	90.0	0.8	0.0	90.3	89.8
Egypt	1126	62.6	26.1	62.6	11.2	0.1	65.1	59.8
England	688	70.0	23.9	70.0	5.9	0.2	72.3	67.7
Georgia	571	70.4	16.6	70.4	12.5	0.4	78.0	64.1
Hong Kong SAR	605	89.2	9.8	89.2	1.0	0.0	90.4	88.1
Hungary	702	83.8	13.8	83.8	2.4	0.0	85.2	82.4
Iran, Islamic Rep. of	885	61.2	32.1	61.2	6.3	0.4	64.9	57.9
Ireland	659	75.6	21.7	75.6	2.6	0.1	75.9	75.2
Israel	788	76.8	15.2	76.8	6.5	1.5	78.7	74.9
Italy	649	82.1	12.7	82.1	5.1	0.1	82.9	81.5
Japan	672	81.1	16.1	81.1	2.6	0.1	81.6	80.6
Jordan	1125	56.3	34.9	56.3	8.1	0.8	60.4	52.5
Kazakhstan	699	80.1	14.8	80.1	4.5	0.6	82.2	77.8
Korea, Rep. of	761	84.2	14.1	84.2	1.5	0.2	87.3	81.4
Kuwait	610	61.8	32.1	61.8	6.0	0.1	61.8	61.6
Lebanon	550	74.0	19.9	74.0	6.0	0.1	74.9	72.8
Lithuania	630	78.2	15.8	78.2	6.0	0.0	78.2	78.2
Malaysia	1384	61.7	33.2	61.7	3.9	1.3	61.0	62.5
Malta	544	70.0	25.4	70.0	4.0	0.6	70.4	69.5
Morocco	1886	64.4	28.0	64.4	7.4	0.3	66.2	62.8
New Zealand	1172	70.3	24.9	70.3	4.7	0.0	74.8	65.0
Norway	667	70.2	21.2	70.2	7.9	0.6	69.4	71.0
Oman	1291	60.9	31.4	60.9	7.4	0.2	64.0	58.1
Qatar	770	63.4	27.4	63.4	8.7	0.6	62.1	64.7
Russian Federation	684	84.4	11.2	84.4	3.9	0.5	81.9	86.7
Saudi Arabia	543	58.4	34.3	58.4	6.5	0.8	59.9	56.9
Singapore	880	86.2	12.6	86.2	1.1	0.1	89.2	83.6
Slovenia	614	84.3	14.0	84.3	1.7	0.0	86.6	82.1
South Africa	1769	46.7	47.8	46.7	5.2	0.3	48.0	45.2
Sweden	578	76.5	17.3	76.5	4.8	1.4	78.4	74.8
Thailand	922	56.8	33.8	56.8	9.3	0.1	59.7	53.4
Turkey	870	62.2	35.2	62.2	2.5	0.1	64.3	60.4
United Arab Emirates	2570	71.4	24.2	71.4	4.2	0.2	74.8	68.0
United States	1442	74.4	21.7	74.4	3.2	0.7	75.1	73.5
International Avg (n=39)	36143	70.6	23.7	70.6	5.3	0.4	72.2	69.1
Buenos Aires, Argentina	467	54.7	19.3	54.7	23.4	2.7	55.4	53.4
Ontario, Canada	647	76.8	17.7	76.8	4.0	1.5	76.2	77.3
Quebec, Canada	566	82.9	14.5	82.9	2.5	0.1	86.2	78.9
Norway (8)	683	61.4	26.7	61.4	11.8	0.1	60.7	62.1
Abu Dhabi, UAE	691	65.8	29.4	65.8	4.6	0.2	69.1	62.5
Dubai, UAE	880	81.4	16.1	81.4	2.2	0.3	83.9	78.7
Florida, US	292	73.8	21.3	73.8	3.4	1.5	76.7	71.5

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

M02_01C (M062208C): Number / Knowing Type: MC Key: A
Label: T or F for n - multiplication

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	77.3	77.3	17.7	4.9	0.1	78.1	76.5
Bahrain	709	68.7	68.7	28.4	2.7	0.2	69.3	68.1
Botswana	847	62.4	62.4	22.8	14.0	0.9	68.7	55.5
Canada	1254	82.5	82.5	12.5	4.1	1.0	82.5	82.4
Chile	705	70.2	70.2	22.5	6.8	0.6	73.5	67.5
Chinese Taipei	818	93.9	93.9	5.7	0.4	0.0	94.5	93.4
Egypt	1126	67.7	67.7	21.5	10.7	0.1	68.8	66.6
England	688	69.6	69.6	24.0	6.2	0.2	70.1	69.1
Georgia	571	71.2	71.2	16.7	11.7	0.4	77.6	65.8
Hong Kong SAR	605	93.4	93.4	5.3	1.3	0.0	93.2	93.6
Hungary	702	85.1	85.1	12.7	2.2	0.0	86.8	83.4
Iran, Islamic Rep. of	885	69.6	69.6	22.9	7.1	0.4	76.1	63.9
Ireland	659	82.8	82.8	14.7	2.4	0.1	83.8	81.7
Israel	788	80.2	80.2	11.4	7.0	1.5	83.1	77.2
Italy	649	78.4	78.4	17.4	4.1	0.1	81.8	75.5
Japan	672	87.6	87.6	9.9	2.4	0.1	88.6	86.6
Jordan	1125	70.3	70.3	21.0	7.8	0.8	75.7	65.5
Kazakhstan	699	82.4	82.4	13.2	3.8	0.6	81.4	83.5
Korea, Rep. of	761	90.8	90.8	7.2	1.7	0.2	91.6	90.1
Kuwait	610	72.8	72.8	20.7	6.4	0.1	75.0	70.9
Lebanon	550	82.8	82.8	11.2	5.9	0.1	83.6	81.8
Lithuania	630	80.4	80.4	13.7	5.8	0.0	79.7	81.1
Malaysia	1384	71.0	71.0	23.8	4.0	1.3	73.5	68.1
Malta	544	74.6	74.6	21.5	3.4	0.6	76.9	72.5
Morocco	1886	71.9	71.9	21.1	6.7	0.3	73.7	70.3
New Zealand	1172	72.7	72.7	22.3	5.0	0.0	76.6	68.1
Norway	667	73.2	73.2	17.6	8.5	0.6	72.1	74.3
Oman	1291	68.1	68.1	24.7	7.0	0.2	73.1	63.3
Qatar	770	70.8	70.8	20.0	8.6	0.6	68.7	73.1
Russian Federation	684	85.6	85.6	10.6	3.4	0.5	84.4	86.7
Saudi Arabia	542	64.4	64.4	28.8	5.9	0.8	63.5	65.3
Singapore	880	90.9	90.9	7.9	1.1	0.1	93.3	88.8
Slovenia	614	88.3	88.3	10.3	1.3	0.0	92.0	84.9
South Africa	1769	67.3	67.3	26.5	5.9	0.3	70.0	64.5
Sweden	578	76.2	76.2	18.6	3.8	1.4	81.1	72.1
Thailand	922	69.1	69.1	22.0	8.7	0.1	72.4	65.3
Turkey	870	73.9	73.9	22.9	3.1	0.1	75.3	72.7
United Arab Emirates	2570	77.4	77.4	18.1	4.2	0.2	81.0	73.8
United States	1442	84.3	84.3	11.5	3.5	0.7	85.7	83.0
International Avg (n=39)	36142	76.9	76.9	17.5	5.2	0.4	78.9	75.0
Buenos Aires, Argentina	467	57.0	57.0	17.3	23.0	2.7	57.4	56.5
Ontario, Canada	647	80.9	80.9	13.1	4.4	1.5	79.0	82.9
Quebec, Canada	566	86.5	86.5	10.6	2.8	0.1	88.8	83.8
Norway (8)	683	65.6	65.6	23.9	10.4	0.1	66.1	65.0
Abu Dhabi, UAE	691	72.9	72.9	21.0	5.9	0.2	77.4	68.4
Dubai, UAE	880	85.1	85.1	12.9	1.7	0.3	87.4	82.6
Florida, US	292	80.1	80.1	14.8	3.6	1.5	82.9	77.9

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

M02_01D (M062208D): Number / Knowing Type: MC Key: B
Label: T or F for n - division

COUNTRY	N	DIFF %	A %	B %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	70.7	24.1	70.7	5.0	0.1	71.7	69.8
Bahrain	709	61.9	35.2	61.9	2.7	0.2	61.3	62.5
Botswana	847	46.4	38.2	46.4	14.6	0.9	44.9	48.0
Canada	1254	77.6	17.3	77.6	4.1	1.0	79.0	76.1
Chile	705	60.5	33.1	60.5	5.9	0.6	63.2	58.2
Chinese Taipei	818	91.9	7.2	91.9	0.9	0.0	93.5	90.4
Egypt	1126	54.3	33.8	54.3	11.8	0.1	55.9	52.7
England	687	69.1	24.6	69.1	6.0	0.2	68.2	70.0
Georgia	571	69.5	16.3	69.5	13.9	0.4	75.0	64.8
Hong Kong SAR	605	92.0	6.4	92.0	1.6	0.0	92.7	91.3
Hungary	702	81.7	15.9	81.7	2.4	0.0	82.4	81.1
Iran, Islamic Rep. of	885	60.6	30.9	60.6	8.0	0.4	63.3	58.2
Ireland	659	75.3	21.7	75.3	2.8	0.1	74.6	76.1
Israel	788	74.8	16.6	74.8	7.2	1.5	79.6	70.0
Italy	649	76.9	19.1	76.9	4.0	0.1	78.9	75.2
Japan	672	86.9	10.1	86.9	2.9	0.1	89.9	83.9
Jordan	1125	54.7	36.1	54.7	8.4	0.8	57.7	51.9
Kazakhstan	699	80.9	13.2	80.9	5.3	0.6	82.6	79.1
Korea, Rep. of	761	84.4	13.5	84.4	1.9	0.2	84.7	84.1
Kuwait	610	56.6	36.6	56.6	6.6	0.1	58.8	54.3
Lebanon	550	72.0	22.0	72.0	5.9	0.1	73.9	69.5
Lithuania	630	73.4	20.6	73.4	6.0	0.0	72.3	74.4
Malaysia	1384	68.4	26.3	68.4	4.0	1.3	74.0	62.1
Malta	544	70.5	25.0	70.5	3.9	0.6	74.0	67.1
Morocco	1886	63.3	28.2	63.3	8.3	0.3	66.9	60.1
New Zealand	1172	67.4	27.7	67.4	4.9	0.0	70.2	64.0
Norway	667	68.6	21.3	68.6	9.5	0.6	72.0	65.3
Oman	1291	63.3	28.3	63.3	8.2	0.2	67.1	59.8
Qatar	770	67.6	22.3	67.6	9.5	0.6	71.4	63.5
Russian Federation	684	88.1	7.8	88.1	3.7	0.5	89.0	87.3
Saudi Arabia	543	54.2	38.2	54.2	6.8	0.8	59.0	49.3
Singapore	880	91.0	7.9	91.0	1.1	0.1	92.8	89.3
Slovenia	614	87.1	11.3	87.1	1.6	0.0	89.6	84.8
South Africa	1769	46.8	46.8	46.8	6.1	0.3	47.2	46.5
Sweden	578	74.3	19.6	74.3	4.7	1.4	75.5	73.2
Thailand	922	58.8	32.0	58.8	9.1	0.1	63.7	53.2
Turkey	870	60.6	36.3	60.6	3.0	0.1	61.5	59.8
United Arab Emirates	2570	71.9	23.3	71.9	4.7	0.2	75.7	67.9
United States	1442	74.2	21.4	74.2	3.7	0.7	77.1	71.2
International Avg (n=39)	36142	70.5	23.5	70.5	5.7	0.4	72.6	68.4
Buenos Aires, Argentina	467	57.8	15.0	57.8	24.4	2.7	60.3	55.0
Ontario, Canada	647	74.5	19.5	74.5	4.5	1.5	74.4	74.6
Quebec, Canada	566	84.5	12.6	84.5	2.8	0.1	88.5	79.8
Norway (8)	683	58.7	29.8	58.7	11.3	0.1	60.0	57.3
Abu Dhabi, UAE	691	65.9	28.3	65.9	5.7	0.2	72.0	59.6
Dubai, UAE	880	81.3	15.6	81.3	2.8	0.3	83.5	78.9
Florida, US	292	70.5	23.6	70.5	4.4	1.5	69.2	71.4

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

M02_02 (M062153): Number / Applying Type: MC Key: B
Label: Peter, Mark, and Sarah share zeds

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	63.5	8.0	63.5	9.1	16.9	2.3	0.2	61.3	65.7
Bahrain	709	46.9	11.8	46.9	15.2	24.0	1.9	0.2	42.6	51.0
Botswana	847	28.9	15.2	28.9	21.7	29.9	3.1	1.2	30.9	26.7
Canada	1254	57.7	12.4	57.7	6.3	20.3	1.8	1.5	56.9	58.5
Chile	705	41.6	11.8	41.6	18.5	23.4	4.0	0.6	38.4	44.3
Chinese Taipei	818	70.9	3.3	70.9	4.9	20.8	0.1	0.0	66.9	74.7
Egypt	1126	33.5	12.8	33.5	23.8	28.0	1.7	0.2	30.9	36.4
England	688	57.0	11.1	57.0	8.7	19.6	3.4	0.2	52.6	61.2
Georgia	571	44.3	9.0	44.3	19.4	23.2	3.4	0.7	42.1	46.1
Hong Kong SAR	605	70.6	6.6	70.6	3.6	18.3	0.9	0.0	67.5	73.4
Hungary	702	57.6	9.0	57.6	14.3	17.3	1.8	0.0	51.4	63.9
Iran, Islamic Rep. of	885	42.9	14.1	42.9	21.7	16.6	4.3	0.5	36.7	48.5
Ireland	659	60.9	8.1	60.9	6.1	23.6	1.1	0.1	54.5	67.5
Israel	788	44.9	14.6	44.9	10.4	24.3	3.8	2.0	43.7	46.2
Italy	649	51.7	7.8	51.7	10.7	28.6	1.0	0.1	52.6	50.9
Japan	672	60.6	3.4	60.6	7.1	28.4	0.2	0.3	55.2	66.0
Jordan	1125	27.2	11.4	27.2	27.2	29.0	4.5	0.8	23.8	30.3
Kazakhstan	699	59.2	6.7	59.2	14.5	16.8	2.1	0.6	55.1	63.6
Korea, Rep. of	761	65.9	2.5	65.9	5.5	25.5	0.5	0.2	63.2	68.2
Kuwait	610	37.3	13.7	37.3	20.1	23.8	4.8	0.3	30.1	44.7
Lebanon	549	32.8	12.8	32.8	20.4	21.9	11.8	0.4	32.1	33.8
Lithuania	630	53.5	9.1	53.5	15.6	19.9	1.8	0.1	50.0	56.9
Malaysia	1384	52.5	9.1	52.5	10.5	24.6	1.8	1.5	51.6	53.6
Malta	544	45.3	17.3	45.3	12.4	21.2	3.2	0.6	44.4	46.1
Morocco	1886	28.1	14.4	28.1	27.9	25.4	3.7	0.5	26.1	29.7
New Zealand	1172	57.6	9.4	57.6	10.7	20.3	1.9	0.0	57.4	57.9
Norway	667	66.8	12.4	66.8	7.8	9.8	2.3	0.8	66.4	67.2
Oman	1291	31.3	14.3	31.3	26.8	24.4	3.0	0.3	31.0	31.6
Qatar	770	39.9	16.1	39.9	18.0	20.6	4.7	0.7	35.0	45.1
Russian Federation	684	59.2	8.3	59.2	12.6	16.9	2.6	0.5	53.7	64.0
Saudi Arabia	543	29.9	11.3	29.9	34.7	22.0	1.3	0.8	28.5	31.4
Singapore	880	82.8	4.9	82.8	2.2	8.9	0.9	0.2	83.8	81.8
Slovenia	614	59.6	7.7	59.6	13.7	16.7	2.2	0.0	54.2	64.7
South Africa	1769	26.7	17.3	26.7	26.1	26.9	2.4	0.5	29.2	24.1
Sweden	579	55.0	4.6	55.0	4.6	30.3	3.8	1.8	53.6	56.1
Thailand	922	40.6	9.8	40.6	19.6	27.3	2.3	0.3	38.6	42.8
Turkey	870	55.0	9.0	55.0	15.5	19.1	1.2	0.2	51.2	58.3
United Arab Emirates	2570	42.5	12.2	42.5	18.2	24.8	2.2	0.2	40.5	44.6
United States	1442	54.3	9.4	54.3	9.6	23.2	2.7	0.9	49.9	59.0
International Avg (n=39)	36143	49.7	10.3	49.7	14.8	22.1	2.6	0.5	47.0	52.2
Buenos Aires, Argentina	467	35.2	10.7	35.2	16.7	19.2	14.4	3.8	27.5	41.6
Ontario, Canada	647	58.1	11.3	58.1	7.5	19.0	1.6	2.4	56.3	60.0
Quebec, Canada	566	56.8	13.9	56.8	4.1	22.5	2.5	0.1	54.6	59.4
Norway (8)	683	59.0	18.4	59.0	10.6	8.5	3.1	0.4	57.7	60.5
Abu Dhabi, UAE	691	36.6	13.6	36.6	21.6	26.0	2.1	0.2	34.3	38.8
Dubai, UAE	880	54.8	9.2	54.8	12.6	20.9	2.2	0.3	53.4	56.3
Florida, US	292	58.0	8.5	58.0	10.1	19.7	1.9	1.8	59.8	56.6

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

M02_03A (M062111A): Number / Applying Type: CR 1 Point
Label: Flowers Maria sold - percent tulips

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	54.6	40.3	54.6	4.9	0.2	55.6	53.6
Bahrain	709	27.1	63.5	27.1	9.2	0.2	26.3	27.9
Botswana	848	16.2	78.8	16.2	3.7	1.3	18.8	13.3
Canada	1254	63.2	30.3	63.2	4.5	1.9	64.2	62.1
Chile	705	28.8	51.2	28.8	19.4	0.6	24.1	32.6
Chinese Taipei	818	71.9	25.4	71.9	2.8	0.0	71.8	72.0
Egypt	1126	23.6	68.0	23.6	8.1	0.3	21.5	25.9
England	688	52.1	44.3	52.1	3.4	0.2	50.6	53.5
Georgia	571	40.4	39.0	40.4	19.9	0.7	41.2	39.7
Hong Kong SAR	605	80.8	17.6	80.8	1.7	0.0	83.3	78.5
Hungary	702	62.0	33.6	62.0	4.4	0.0	62.6	61.4
Iran, Islamic Rep. of	885	27.7	58.6	27.7	13.0	0.8	26.3	28.9
Ireland	659	61.2	36.3	61.2	2.4	0.1	62.2	60.2
Israel	788	59.4	28.2	59.4	10.1	2.3	61.7	57.2
Italy	649	56.7	35.5	56.7	7.7	0.2	56.8	56.5
Japan	672	70.8	25.6	70.8	3.3	0.3	70.2	71.3
Jordan	1125	17.6	73.6	17.6	8.1	0.8	16.0	19.0
Kazakhstan	699	57.6	37.7	57.6	4.0	0.6	56.6	58.7
Korea, Rep. of	761	81.1	17.7	81.1	1.0	0.2	79.9	82.1
Kuwait	610	26.1	64.0	26.1	9.6	0.3	25.1	27.3
Lebanon	550	42.5	45.2	42.5	11.5	0.8	38.9	47.5
Lithuania	630	69.9	26.3	69.9	3.8	0.1	71.5	68.3
Malaysia	1384	40.1	49.0	40.1	9.0	1.8	42.0	37.9
Malta	544	47.5	45.5	47.5	6.4	0.6	46.2	48.8
Morocco	1886	18.9	64.8	18.9	15.8	0.5	19.0	18.8
New Zealand	1172	48.3	47.9	48.3	3.7	0.0	48.0	48.7
Norway	667	64.0	31.9	64.0	3.0	1.0	64.1	63.9
Oman	1289	21.0	72.1	21.0	6.6	0.3	20.3	21.7
Qatar	770	37.0	53.2	37.0	8.8	0.9	37.4	36.6
Russian Federation	685	63.9	26.9	63.9	8.6	0.6	61.0	66.4
Saudi Arabia	543	14.4	73.7	14.4	11.1	0.8	13.4	15.4
Singapore	880	85.5	13.8	85.5	0.5	0.3	87.9	83.2
Slovenia	614	63.4	31.1	63.4	5.5	0.0	62.8	63.9
South Africa	1769	15.0	82.1	15.0	2.4	0.5	15.3	14.7
Sweden	578	59.5	35.3	59.5	3.1	2.1	65.1	54.7
Thailand	922	27.0	65.3	27.0	7.2	0.5	30.7	22.7
Turkey	870	31.0	62.6	31.0	6.1	0.2	29.8	32.2
United Arab Emirates	2570	38.7	55.3	38.7	5.7	0.2	36.8	40.7
United States	1442	48.5	47.2	48.5	3.2	1.0	48.6	48.4
International Avg (n=39)	36143	46.5	46.1	46.5	6.7	0.6	46.5	46.6
Buenos Aires, Argentina	467	29.1	38.8	29.1	26.8	5.3	26.0	31.9
Ontario, Canada	647	57.6	35.5	57.6	4.0	2.9	56.2	59.1
Quebec, Canada	566	76.9	17.2	76.9	5.3	0.5	79.2	74.2
Norway (8)	683	59.8	35.9	59.8	3.8	0.4	58.8	61.0
Abu Dhabi, UAE	691	32.8	61.9	32.8	5.1	0.2	35.3	30.3
Dubai, UAE	880	49.9	44.8	49.9	4.9	0.5	45.4	54.7
Florida, US	292	43.5	51.6	43.5	2.8	2.0	43.6	43.5

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.

M02_03B (M062111B): Number / Applying Type: CR 1 Point
Label: Flowers Maria sold - total number

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	35.3	47.9	35.3	16.2	0.6	32.0	38.6
Bahrain	709	13.3	70.9	13.3	15.2	0.5	14.1	12.6
Botswana	848	4.9	86.9	4.9	6.0	2.1	5.2	4.6
Canada	1254	39.0	43.8	39.0	14.7	2.5	34.8	43.6
Chile	705	19.2	46.2	19.2	33.1	1.5	15.9	21.9
Chinese Taipei	818	55.3	36.8	55.3	7.9	0.0	54.5	56.0
Egypt	1126	9.2	78.1	9.2	12.4	0.3	8.7	9.7
England	688	39.0	45.9	39.0	14.9	0.2	35.0	42.8
Georgia	571	23.4	42.4	23.4	33.4	0.7	18.0	28.0
Hong Kong SAR	605	63.4	31.4	63.4	5.1	0.1	59.8	66.6
Hungary	702	41.2	40.8	41.2	17.9	0.0	39.2	43.3
Iran, Islamic Rep. of	885	20.7	56.0	20.7	21.4	1.9	18.7	22.6
Ireland	659	43.9	42.2	43.9	13.7	0.1	41.8	46.2
Israel	788	34.6	39.0	34.6	23.7	2.6	29.0	40.2
Italy	649	27.6	47.4	27.6	24.7	0.2	26.9	28.3
Japan	672	50.3	40.7	50.3	8.6	0.3	45.8	54.9
Jordan	1125	4.3	81.9	4.3	12.6	1.3	4.0	4.5
Kazakhstan	699	46.9	43.7	46.9	8.8	0.6	46.3	47.6
Korea, Rep. of	761	68.8	27.0	68.8	3.9	0.2	64.4	72.7
Kuwait	610	11.5	71.0	11.5	17.2	0.4	8.6	14.4
Lebanon	550	10.6	57.5	10.6	31.1	0.8	10.1	11.2
Lithuania	630	43.1	39.5	43.1	17.3	0.1	40.0	46.1
Malaysia	1384	18.2	61.9	18.2	16.8	3.1	16.5	20.1
Malta	544	23.6	57.9	23.6	17.9	0.6	20.6	26.4
Morocco	1886	5.3	68.1	5.3	26.0	0.6	5.1	5.5
New Zealand	1172	32.1	55.6	32.1	11.9	0.5	27.0	38.3
Norway	667	47.4	36.3	47.4	14.9	1.4	36.5	57.8
Oman	1285	8.5	81.0	8.5	10.1	0.4	8.2	8.7
Qatar	770	17.1	65.6	17.1	16.2	1.1	15.3	19.0
Russian Federation	685	45.8	34.7	45.8	18.6	1.0	41.3	49.8
Saudi Arabia	542	5.0	79.3	5.0	14.9	0.8	4.1	5.9
Singapore	880	87.2	11.9	87.2	0.4	0.5	90.9	83.9
Slovenia	614	38.4	38.0	38.4	23.6	0.0	33.7	42.8
South Africa	1769	4.3	89.6	4.3	5.3	0.7	2.4	6.4
Sweden	578	44.4	39.6	44.4	13.3	2.7	37.9	49.9
Thailand	922	19.0	68.9	19.0	11.5	0.6	19.8	18.0
Turkey	870	27.2	62.4	27.2	10.1	0.2	25.0	29.2
United Arab Emirates	2570	21.7	67.3	21.7	10.8	0.2	18.9	24.6
United States	1442	32.4	63.3	32.4	2.9	1.4	29.2	35.8
International Avg (n=39)	36138	30.3	53.8	30.3	15.0	0.9	27.8	32.8
Buenos Aires, Argentina	467	15.6	35.7	15.6	42.2	6.5	11.5	19.5
Ontario, Canada	647	35.3	48.6	35.3	12.5	3.6	29.9	40.6
Quebec, Canada	566	50.7	30.4	50.7	17.7	1.1	46.6	55.5
Norway (8)	683	37.1	44.0	37.1	18.3	0.6	31.9	43.0
Abu Dhabi, UAE	691	16.4	73.2	16.4	10.2	0.2	16.2	16.6
Dubai, UAE	880	32.5	55.2	32.5	11.7	0.5	28.0	37.5
Florida, US	292	26.5	68.7	26.5	2.6	2.2	23.2	29.0

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.

M02_04 (M062237): Algebra / Applying Type: CR 1 Point
Label: Solve system of equations for x and y

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	11.0	62.0	11.0	25.9	1.1	8.1	13.9
Bahrain	709	6.7	72.1	6.7	20.6	0.6	5.2	8.2
Botswana	848	0.5	87.9	0.5	9.1	2.6	0.6	0.4
Canada	1254	15.4	57.1	15.4	24.6	2.9	9.9	21.2
Chile	705	2.1	48.2	2.1	47.9	1.8	1.8	2.4
Chinese Taipei	818	64.9	24.4	64.9	10.7	0.0	65.7	64.3
Egypt	1126	9.4	71.6	9.4	18.7	0.3	7.7	11.3
England	688	17.1	57.9	17.1	24.7	0.2	15.5	18.7
Georgia	571	15.4	45.7	15.4	38.1	0.9	13.5	16.9
Hong Kong SAR	605	48.7	41.4	48.7	9.8	0.1	46.2	50.9
Hungary	702	18.2	45.1	18.2	36.7	0.0	15.4	21.1
Iran, Islamic Rep. of	885	6.3	54.2	6.3	37.1	2.4	5.4	7.1
Ireland	659	16.7	65.5	16.7	17.7	0.1	13.9	19.6
Israel	788	23.3	38.0	23.3	35.1	3.7	21.7	24.9
Italy	649	5.3	45.8	5.3	48.6	0.3	3.4	6.8
Japan	672	65.1	25.6	65.1	8.9	0.5	67.4	62.8
Jordan	1125	10.2	75.7	10.2	12.8	1.3	12.3	8.3
Kazakhstan	698	47.1	37.5	47.1	14.7	0.6	47.6	46.6
Korea, Rep. of	761	62.0	30.1	62.0	7.4	0.6	60.2	63.7
Kuwait	610	5.4	67.8	5.4	26.4	0.4	1.2	9.7
Lebanon	550	7.3	48.8	7.3	43.0	0.9	7.0	7.6
Lithuania	630	14.3	41.6	14.3	44.0	0.2	12.8	15.8
Malaysia	1384	5.4	69.2	5.4	21.6	3.8	5.7	5.1
Malta	544	19.0	58.0	19.0	22.4	0.6	20.7	17.4
Morocco	1886	0.5	64.6	0.5	34.0	0.8	0.4	0.6
New Zealand	1172	11.4	65.5	11.4	22.6	0.5	8.7	14.7
Norway	667	10.3	47.9	10.3	39.8	2.1	4.5	15.8
Oman	1288	4.7	82.1	4.7	12.8	0.4	2.9	6.4
Qatar	770	9.4	64.3	9.4	25.1	1.2	7.4	11.5
Russian Federation	685	35.7	27.0	35.7	36.3	1.0	33.0	38.1
Saudi Arabia	543	5.2	75.5	5.2	18.3	1.0	4.4	5.9
Singapore	880	58.6	36.9	58.6	4.0	0.5	61.6	55.8
Slovenia	614	9.8	60.9	9.8	29.2	0.2	7.1	12.2
South Africa	1769	1.4	86.8	1.4	11.0	0.9	1.2	1.6
Sweden	0	.	.	.	.	.	.	.
Thailand	922	7.6	68.5	7.6	23.2	0.7	7.1	8.1
Turkey	870	18.2	62.0	18.2	19.5	0.2	20.5	16.3
United Arab Emirates	2569	17.1	64.6	17.1	17.8	0.5	15.7	18.5
United States	1442	23.2	65.3	23.2	10.2	1.4	21.0	25.4
International Avg (n=38)	35562	18.7	56.4	18.7	23.9	1.0	17.5	19.9
Buenos Aires, Argentina	466	1.7	32.6	1.7	58.4	7.3	0.5	2.8
Ontario, Canada	647	14.9	58.5	14.9	22.4	4.2	12.2	17.6
Quebec, Canada	566	16.7	54.7	16.7	27.4	1.2	6.6	28.7
Norway (8)	683	4.1	52.9	4.1	42.2	0.8	3.8	4.4
Abu Dhabi, UAE	690	11.0	69.5	11.0	18.7	0.8	11.1	11.0
Dubai, UAE	880	28.5	55.7	28.5	15.2	0.5	26.5	30.7
Florida, US	292	21.7	60.1	21.7	16.0	2.2	19.1	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.

M02_05 (M062314): Algebra / Knowing Type: CR 1 Point
Label: Complete table of values for given equation

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	9.1	16.8	50.7	9.1	21.8	1.5	10.5	7.8
Bahrain	709	9.8	10.9	59.9	9.8	18.6	0.8	12.0	7.6
Botswana	847	3.7	1.1	83.4	3.7	8.8	3.0	4.2	3.1
Canada	1254	14.2	7.4	46.5	14.2	27.1	4.8	13.0	15.4
Chile	705	4.3	1.6	38.3	4.3	53.9	1.9	4.3	4.3
Chinese Taipei	818	54.4	4.3	31.2	54.4	10.1	0.0	56.7	52.3
Egypt	1126	10.3	9.7	64.9	10.3	14.6	0.5	8.4	12.3
England	688	7.9	11.1	49.7	7.9	31.2	0.2	7.0	8.6
Georgia	571	17.8	5.6	40.2	17.8	35.1	1.2	20.0	16.0
Hong Kong SAR	605	41.2	22.9	27.2	41.2	8.6	0.1	38.0	44.0
Hungary	702	24.2	7.3	46.6	24.2	21.8	0.0	26.0	22.4
Iran, Islamic Rep. of	885	13.5	2.3	49.2	13.5	31.9	3.1	18.1	9.3
Ireland	659	9.9	3.0	48.3	9.9	38.2	0.6	8.4	11.5
Israel	788	11.5	10.1	43.2	11.5	31.0	4.1	12.1	10.9
Italy	649	9.7	4.3	39.9	9.7	45.7	0.4	10.1	9.4
Japan	672	41.5	13.3	34.3	41.5	10.3	0.6	47.9	35.2
Jordan	1125	10.3	6.8	70.7	10.3	10.9	1.3	13.3	7.6
Kazakhstan	698	50.5	6.2	35.7	50.5	7.0	0.7	51.2	49.7
Korea, Rep. of	761	49.5	7.8	35.0	49.5	7.1	0.6	49.8	49.3
Kuwait	610	5.6	3.8	63.8	5.6	26.0	0.8	3.9	7.3
Lebanon	550	16.3	5.9	42.6	16.3	33.7	1.6	17.7	14.5
Lithuania	630	23.1	7.8	40.5	23.1	28.2	0.4	25.6	20.7
Malaysia	1384	28.5	6.3	45.5	28.5	15.5	4.1	36.9	19.1
Malta	544	10.6	13.2	48.3	10.6	27.4	0.6	9.3	11.8
Morocco	1886	1.3	0.1	65.2	1.3	32.4	1.0	2.1	0.7
New Zealand	1172	5.0	9.8	54.3	5.0	30.3	0.6	4.2	5.9
Norway	667	4.7	1.6	40.7	4.7	50.4	2.6	4.6	4.8
Oman	1287	9.7	8.6	70.0	9.7	11.0	0.6	13.8	5.9
Qatar	770	13.5	9.0	53.7	13.5	22.5	1.3	14.7	12.2
Russian Federation	685	50.0	6.5	29.5	50.0	12.5	1.5	51.6	48.7
Saudi Arabia	543	7.1	0.5	72.1	7.1	19.2	1.0	7.2	7.1
Singapore	880	66.7	11.4	19.2	66.7	1.9	0.7	72.6	61.4
Slovenia	614	20.2	8.1	39.8	20.2	31.9	0.2	24.8	15.8
South Africa	1769	17.3	3.3	72.1	17.3	5.4	2.0	22.1	12.3
Sweden	580	2.1	2.3	38.3	2.1	53.9	3.4	1.6	2.5
Thailand	922	6.8	0.8	68.3	6.8	23.3	0.8	6.8	6.8
Turkey	870	7.8	0.0	70.9	7.8	21.1	0.2	8.5	7.1
United Arab Emirates	2570	19.3	17.6	51.5	19.3	11.1	0.5	20.1	18.4
United States	1442	26.1	13.1	50.9	26.1	7.7	2.2	29.5	22.6
International Avg (n=39)	36141	18.8	7.2	49.5	18.8	23.1	1.3	20.2	17.5
Buenos Aires, Argentina	466	2.8	1.4	20.4	2.8	67.7	7.7	3.5	2.2
Ontario, Canada	647	14.6	5.5	47.2	14.6	25.8	6.9	13.7	15.6
Quebec, Canada	566	15.2	12.2	41.1	15.2	30.0	1.5	14.4	16.2
Norway (8)	683	0.2	0.9	46.4	0.2	51.2	1.4	0.2	0.3
Abu Dhabi, UAE	691	10.7	17.3	60.5	10.7	10.7	0.9	11.7	9.6
Dubai, UAE	880	31.6	14.6	42.7	31.6	10.4	0.6	31.3	32.0
Florida, US	292	29.4	3.4	55.0	29.4	7.9	4.2	33.4	26.4

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.

M02_06 (M062074): Algebra / Applying Type: MC Key: D
Label: Function for Janet's graph given slope/intercept

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	32.7	10.6	28.0	14.8	32.7	12.4	1.6	33.7	31.7
Bahrain	709	47.1	8.2	24.3	15.1	47.1	3.7	1.5	48.7	45.6
Botswana	847	39.3	12.8	21.8	16.9	39.3	4.9	4.3	43.1	35.2
Canada	1253	38.4	8.3	21.9	14.1	38.4	12.0	5.3	39.5	37.3
Chile	705	26.3	10.7	27.1	20.2	26.3	13.3	2.4	31.4	22.1
Chinese Taipei	818	55.8	10.4	21.6	10.2	55.8	2.0	0.0	61.6	50.3
Egypt	1126	39.1	10.9	28.1	17.4	39.1	4.1	0.5	42.2	35.7
England	687	39.4	11.0	24.0	13.6	39.4	11.3	0.7	38.5	40.2
Georgia	571	46.5	9.7	25.0	11.1	46.5	6.6	1.2	46.5	46.5
Hong Kong SAR	605	33.6	11.1	25.8	25.0	33.6	4.2	0.3	30.5	36.4
Hungary	702	54.9	8.2	22.4	8.9	54.9	5.6	0.0	58.1	51.7
Iran, Islamic Rep. of	885	26.3	9.1	27.3	23.1	26.3	11.2	3.2	26.7	25.8
Ireland	659	50.8	8.5	22.0	11.0	50.8	6.7	1.1	53.1	48.4
Israel	788	56.0	6.3	16.3	9.5	56.0	7.3	4.6	60.8	51.3
Italy	649	39.2	6.8	26.9	14.1	39.2	12.4	0.7	39.2	39.1
Japan	672	66.3	3.7	20.1	7.2	66.3	1.9	0.8	66.0	66.5
Jordan	1125	45.3	12.4	25.2	12.3	45.3	3.3	1.4	55.9	35.7
Kazakhstan	699	54.1	15.7	15.3	11.7	54.1	2.4	0.8	54.0	54.3
Korea, Rep. of	761	63.0	4.7	19.1	11.4	63.0	1.3	0.6	63.8	62.4
Kuwait	610	34.2	13.8	25.8	17.1	34.2	8.2	0.8	40.8	27.4
Lebanon	549	43.2	6.3	19.6	7.7	43.2	21.7	1.6	43.8	42.3
Lithuania	630	49.8	11.7	21.0	10.6	49.8	6.5	0.4	53.0	46.6
Malaysia	1384	33.0	10.5	26.5	19.8	33.0	5.6	4.6	35.0	30.7
Malta	544	47.0	8.3	23.5	13.5	47.0	6.9	0.9	53.4	40.9
Morocco	1886	37.7	11.9	27.2	16.1	37.7	5.9	1.1	40.6	35.2
New Zealand	1172	32.5	10.3	26.5	18.5	32.5	11.3	0.9	33.4	31.4
Norway	667	27.9	9.4	28.6	17.3	27.9	14.2	2.6	24.1	31.6
Oman	1290	37.5	11.7	27.2	18.3	37.5	4.1	1.0	40.9	34.4
Qatar	770	39.3	11.2	27.1	14.6	39.3	6.5	1.3	43.8	34.4
Russian Federation	685	59.9	12.8	10.8	9.2	59.9	5.7	1.7	58.2	61.4
Saudi Arabia	542	29.4	13.5	30.4	23.8	29.4	1.6	1.2	33.3	25.4
Singapore	881	58.5	11.4	18.1	9.6	58.5	1.6	0.7	64.2	53.4
Slovenia	614	34.0	10.3	20.4	19.8	34.0	15.3	0.2	38.5	29.8
South Africa	1772	42.6	13.5	23.0	15.6	42.6	3.0	2.2	46.6	38.5
Sweden	580	26.1	7.2	23.5	17.1	26.1	21.0	5.2	25.2	26.8
Thailand	922	30.1	13.0	26.3	22.8	30.1	6.8	1.0	31.8	28.1
Turkey	870	32.4	12.0	26.0	25.9	32.4	3.4	0.2	29.9	34.5
United Arab Emirates	2570	43.1	11.6	26.0	13.5	43.1	5.2	0.6	46.6	39.6
United States	1442	54.0	8.3	21.0	9.1	54.0	4.8	2.8	55.7	52.2
International Avg (n=39)	36145	42.2	10.2	23.6	15.1	42.2	7.3	1.6	44.4	40.0
Buenos Aires, Argentina	467	20.0	7.0	19.5	9.0	20.0	36.5	8.0	21.9	18.0
Ontario, Canada	646	35.3	9.1	23.2	15.1	35.3	9.9	7.4	36.3	34.3
Quebec, Canada	566	46.6	5.8	18.3	11.9	46.6	15.4	2.0	49.8	42.9
Norway (8)	683	21.1	8.7	28.8	21.6	21.1	18.3	1.5	23.3	18.5
Abu Dhabi, UAE	691	38.6	10.4	27.9	17.9	38.6	4.4	0.9	45.3	31.8
Dubai, UAE	880	50.0	11.6	22.6	9.2	50.0	5.7	0.8	49.7	50.4
Florida, US	292	45.7	9.4	24.0	11.9	45.7	4.3	4.7	44.9	46.3

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

M02_07 (M062183): Geometry / Applying Type: CR 1 Point
Label: Draw the reflection of shaded object over the line

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	50.4	44.5	50.4	3.1	2.1	47.9	52.8
Bahrain	709	33.3	54.2	33.3	10.8	1.7	29.7	36.7
Botswana	847	15.0	74.4	15.0	5.7	4.9	9.2	21.2
Canada	1254	60.6	31.5	60.6	2.5	5.4	58.1	63.3
Chile	705	30.5	52.5	30.5	14.6	2.4	26.9	33.5
Chinese Taipei	818	78.0	20.8	78.0	1.2	0.0	77.7	78.2
Egypt	1126	8.6	78.2	8.6	12.5	0.7	5.8	11.6
England	688	64.6	33.2	64.6	1.4	0.8	65.4	63.8
Georgia	571	23.2	52.6	23.2	23.1	1.2	20.5	25.4
Hong Kong SAR	605	80.0	18.4	80.0	1.0	0.5	80.8	79.3
Hungary	702	62.0	31.5	62.0	6.6	0.0	59.1	64.8
Iran, Islamic Rep. of	885	28.4	57.2	28.4	11.0	3.5	28.5	28.3
Ireland	659	38.5	57.6	38.5	2.8	1.1	35.6	41.4
Israel	788	22.9	55.1	22.9	17.4	4.7	23.7	22.1
Italy	649	41.4	45.2	41.4	12.8	0.7	37.6	44.5
Japan	672	76.9	18.9	76.9	3.3	1.0	76.2	77.5
Jordan	1125	7.2	80.6	7.2	10.6	1.7	8.2	6.2
Kazakhstan	699	46.7	38.4	46.7	14.0	0.8	41.8	51.9
Korea, Rep. of	761	77.4	20.9	77.4	1.2	0.6	77.4	77.5
Kuwait	610	23.0	64.6	23.0	11.6	0.8	24.3	21.8
Lebanon	550	17.6	49.9	17.6	30.6	1.9	15.6	20.4
Lithuania	630	68.1	27.2	68.1	4.2	0.6	67.8	68.4
Malaysia	1384	45.8	40.2	45.8	9.1	5.0	44.9	46.7
Malta	544	47.5	47.3	47.5	4.1	1.1	46.4	48.7
Morocco	1886	26.6	62.4	26.6	9.9	1.1	21.6	31.0
New Zealand	1172	56.7	38.8	56.7	3.5	1.0	53.3	60.8
Norway	667	67.7	23.4	67.7	6.4	2.6	68.1	67.2
Oman	1287	23.9	65.4	23.9	9.7	1.1	25.4	22.5
Qatar	770	42.8	48.3	42.8	7.6	1.3	40.7	45.1
Russian Federation	685	51.5	36.1	51.5	10.4	1.9	48.7	54.1
Saudi Arabia	543	18.5	64.2	18.5	16.1	1.2	23.1	13.8
Singapore	881	75.3	23.1	75.3	0.6	1.0	75.0	75.6
Slovenia	614	68.5	28.9	68.5	2.2	0.3	67.7	69.3
South Africa	1772	9.8	76.4	9.8	11.4	2.4	7.6	12.2
Sweden	580	39.8	38.0	39.8	16.3	5.8	40.0	39.7
Thailand	922	40.7	43.3	40.7	15.0	1.0	41.1	40.4
Turkey	870	32.2	61.6	32.2	5.9	0.2	33.2	31.4
United Arab Emirates	2570	29.5	61.0	29.5	8.7	0.8	30.4	28.7
United States	1442	45.5	48.1	45.5	2.9	3.5	43.5	47.7
International Avg (n=39)	36146	43.0	46.5	43.0	8.8	1.7	41.8	44.2
Buenos Aires, Argentina	467	17.0	43.0	17.0	32.0	8.0	13.5	20.0
Ontario, Canada	647	61.5	29.9	61.5	1.2	7.3	60.2	62.8
Quebec, Canada	566	61.1	33.6	61.1	3.0	2.4	54.0	69.4
Norway (8)	683	60.4	33.4	60.4	4.5	1.7	61.1	59.7
Abu Dhabi, UAE	691	23.2	65.3	23.2	10.5	1.0	24.9	21.4
Dubai, UAE	880	40.1	53.4	40.1	5.8	0.8	39.6	40.7
Florida, US	292	40.9	50.0	40.9	4.4	4.7	37.6	43.3

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.

M02_08 (M062202): Geometry / Reasoning Type: MC Key: B
Label: Liza's net of cube - face opposite face Q

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	77.2	2.7	77.2	15.2	1.6	1.2	2.1	77.9	76.5
Bahrain	709	54.8	9.9	54.8	26.4	5.5	1.4	2.0	57.7	52.1
Botswana	843	27.3	32.1	27.3	25.3	7.7	2.8	4.9	26.2	28.5
Canada	1252	70.7	2.3	70.7	16.7	2.8	2.0	5.5	72.6	68.6
Chile	705	62.3	6.0	62.3	22.7	3.7	2.2	3.0	63.1	61.6
Chinese Taipei	818	90.1	0.5	90.1	8.1	1.1	0.0	0.1	90.6	89.7
Egypt	1126	29.7	17.3	29.7	42.9	8.2	1.2	0.8	31.3	28.0
England	688	74.7	4.3	74.7	15.2	2.9	2.0	0.8	77.9	71.6
Georgia	571	49.9	9.8	49.9	30.1	6.1	2.7	1.4	54.9	45.6
Hong Kong SAR	605	87.8	1.5	87.8	7.5	2.1	0.6	0.5	89.3	86.4
Hungary	702	77.1	4.3	77.1	14.8	2.0	1.8	0.0	77.3	77.0
Iran, Islamic Rep. of	885	57.5	7.9	57.5	23.0	5.6	2.4	3.6	57.2	57.7
Ireland	659	75.8	4.2	75.8	15.7	2.6	0.7	1.1	75.6	75.9
Israel	788	56.0	8.0	56.0	25.2	3.5	2.6	4.7	58.3	53.7
Italy	649	72.8	2.5	72.8	20.4	2.1	1.2	1.0	76.7	69.6
Japan	672	92.3	0.3	92.3	4.9	1.0	0.6	1.0	93.4	91.2
Jordan	1125	35.7	20.6	35.7	34.5	5.4	1.9	2.0	39.3	32.5
Kazakhstan	699	56.3	16.7	56.3	18.5	6.6	0.9	0.9	50.7	62.2
Korea, Rep. of	761	93.5	0.1	93.5	4.7	1.1	0.0	0.6	94.1	93.0
Kuwait	610	35.9	16.3	35.9	39.5	5.3	2.0	1.0	34.4	37.6
Lebanon	545	32.1	17.1	32.1	35.7	7.3	6.0	1.9	33.5	30.1
Lithuania	630	67.6	6.3	67.6	20.6	4.7	0.4	0.6	69.8	65.4
Malaysia	1384	57.1	8.4	57.1	23.4	3.8	1.3	6.1	57.9	56.2
Malta	544	55.9	6.2	55.9	31.2	3.0	2.5	1.1	56.6	55.3
Morocco	1886	47.8	8.0	47.8	35.8	4.6	2.4	1.4	45.4	50.0
New Zealand	1172	78.5	2.5	78.5	14.5	2.8	0.6	1.1	78.4	78.5
Norway	667	66.8	1.1	66.8	23.5	2.9	2.0	3.6	65.3	68.2
Oman	1291	37.6	19.6	37.6	35.2	4.6	1.8	1.3	45.1	30.5
Qatar	770	53.5	13.8	53.5	24.7	5.3	1.4	1.3	59.6	47.0
Russian Federation	685	60.0	7.9	60.0	21.4	6.6	2.1	2.0	61.6	58.7
Saudi Arabia	540	31.7	19.3	31.7	38.7	8.0	1.1	1.2	36.9	26.3
Singapore	881	87.9	1.8	87.9	8.2	0.6	0.5	1.0	89.3	86.6
Slovenia	614	64.5	8.1	64.5	23.7	2.4	1.0	0.3	66.9	62.2
South Africa	1772	32.5	26.2	32.5	30.4	6.4	1.8	2.7	31.1	33.9
Sweden	580	62.8	4.7	62.8	20.6	2.8	3.2	5.9	66.1	60.0
Thailand	922	53.4	14.3	53.4	25.6	4.7	0.9	1.1	55.3	51.3
Turkey	870	60.5	9.0	60.5	25.5	4.6	0.1	0.3	65.4	56.1
United Arab Emirates	2570	52.9	13.4	52.9	27.2	3.6	2.0	0.9	57.3	48.5
United States	1442	59.5	3.2	59.5	28.5	2.8	2.3	3.7	58.9	60.2
International Avg (n=39)	36136	60.0	9.2	60.0	23.2	4.1	1.6	1.9	61.5	58.6
Buenos Aires, Argentina	467	52.7	6.0	52.7	26.2	2.1	4.7	8.2	54.4	51.0
Ontario, Canada	646	68.7	2.8	68.7	15.9	3.1	1.9	7.5	70.1	67.3
Quebec, Canada	565	72.7	1.5	72.7	18.4	2.4	2.7	2.4	73.5	71.7
Norway (8)	683	61.0	3.8	61.0	27.4	2.8	2.7	2.2	62.8	58.9
Abu Dhabi, UAE	691	52.1	13.5	52.1	27.9	3.7	1.9	1.0	55.2	48.9
Dubai, UAE	880	61.0	8.5	61.0	25.2	2.4	2.0	1.1	65.5	56.1
Florida, US	292	54.1	4.2	54.1	30.7	3.7	2.6	4.7	54.5	53.7

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

M02_09 (M062246): Geometry / Reasoning Type: MC Key: D
Label: Rami's tiles - 2 pairs with same perimeter

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	34.2	10.1	9.5	41.4	34.2	2.4	2.4	33.7	34.6
Bahrain	709	24.3	12.8	17.7	41.7	24.3	1.1	2.4	23.4	25.1
Botswana	842	16.6	14.9	9.9	51.0	16.6	1.4	6.2	19.7	13.3
Canada	1247	42.8	7.6	6.1	35.0	42.8	1.6	7.0	39.4	46.5
Chile	705	14.8	16.6	13.4	50.1	14.8	1.3	3.8	17.9	12.3
Chinese Taipei	818	60.0	6.5	5.7	27.3	60.0	0.5	0.1	61.6	58.4
Egypt	1125	19.5	14.1	17.7	46.5	19.5	1.3	0.8	18.1	21.0
England	688	36.5	9.6	11.0	38.7	36.5	2.3	1.8	41.1	32.1
Georgia	571	19.3	14.1	15.8	46.6	19.3	2.5	1.6	20.3	18.5
Hong Kong SAR	605	57.6	9.8	5.6	25.8	57.6	0.5	0.6	54.1	60.8
Hungary	702	31.8	12.5	10.4	42.8	31.8	1.7	0.7	34.4	29.2
Iran, Islamic Rep. of	885	25.9	15.9	11.9	39.7	25.9	2.2	4.4	25.0	26.8
Ireland	659	27.6	9.3	18.1	42.1	27.6	1.4	1.4	28.0	27.2
Israel	788	33.7	10.3	14.7	33.6	33.7	2.3	5.3	33.9	33.6
Italy	649	35.9	10.9	8.9	41.4	35.9	1.5	1.3	38.4	33.9
Japan	672	57.0	7.7	5.6	27.9	57.0	0.5	1.4	56.6	57.3
Jordan	1125	18.4	19.6	19.8	38.8	18.4	1.2	2.2	19.2	17.7
Kazakhstan	699	34.6	13.8	9.6	39.8	34.6	1.0	1.2	30.3	39.1
Korea, Rep. of	761	59.8	8.0	5.6	25.8	59.8	0.3	0.6	59.9	59.7
Kuwait	610	17.3	12.9	20.4	45.1	17.3	2.6	1.6	19.0	15.4
Lebanon	533	22.6	6.4	14.9	49.0	22.6	5.0	2.1	22.8	22.4
Lithuania	630	25.2	8.1	21.8	42.0	25.2	2.3	0.6	20.9	29.3
Malaysia	1384	22.7	8.9	10.4	49.3	22.7	1.9	6.8	23.2	22.1
Malta	544	29.7	11.0	16.7	38.5	29.7	2.2	1.9	30.3	29.1
Morocco	1886	20.1	12.5	22.2	40.2	20.1	3.4	1.6	20.3	19.9
New Zealand	1172	30.7	10.0	13.1	44.0	30.7	1.1	1.1	30.2	31.3
Norway	667	29.5	7.1	20.1	35.9	29.5	3.3	4.3	29.5	29.4
Oman	1291	18.9	12.1	13.2	53.0	18.9	1.0	1.7	19.1	18.8
Qatar	770	14.9	14.1	18.5	49.4	14.9	1.3	1.8	15.2	14.6
Russian Federation	685	31.8	7.9	12.4	42.3	31.8	3.3	2.2	28.8	34.5
Saudi Arabia	541	17.3	14.4	23.1	42.4	17.3	1.4	1.4	18.8	15.8
Singapore	881	60.6	6.8	4.7	26.2	60.6	0.5	1.2	61.8	59.6
Slovenia	614	33.6	9.9	11.9	41.5	33.6	2.6	0.5	30.9	36.1
South Africa	1772	22.7	8.8	16.6	45.6	22.7	3.1	3.2	24.1	21.2
Sweden	580	26.8	6.4	17.8	36.8	26.8	5.4	6.7	23.3	29.8
Thailand	921	20.2	14.1	15.9	47.5	20.2	1.0	1.3	17.5	23.3
Turkey	870	28.7	11.3	13.5	45.6	28.7	0.4	0.5	30.7	26.9
United Arab Emirates	2570	22.9	12.3	16.7	44.3	22.9	2.6	1.2	23.3	22.4
United States	1442	30.6	11.1	7.3	44.4	30.6	1.9	4.7	30.6	30.6
International Avg (n=39)	36117	30.2	11.0	13.5	41.0	30.2	1.9	2.3	30.1	30.2
Buenos Aires, Argentina	467	16.0	7.8	14.9	42.1	16.0	10.9	8.2	16.9	15.4
Ontario, Canada	645	43.7	7.9	4.6	33.1	43.7	1.4	9.3	42.4	45.0
Quebec, Canada	561	44.2	7.8	7.1	35.2	44.2	2.1	3.6	37.3	52.3
Norway (8)	683	26.0	8.5	21.4	37.1	26.0	4.0	3.0	27.0	24.9
Abu Dhabi, UAE	691	22.2	11.3	18.8	43.6	22.2	2.9	1.3	21.6	22.9
Dubai, UAE	880	27.1	11.7	11.1	46.5	27.1	2.0	1.7	24.9	29.4
Florida, US	292	27.2	9.2	6.9	49.7	27.2	1.3	5.7	24.8	29.0

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

M02_10 (M062286): Geometry / Applying Type: CR 2 Points
Label: Show Kerry how to find area of an irregular shape

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	5.4	13.2	55.8	18.7	5.4	22.6	2.9	4.8	6.1
Bahrain	709	1.4	5.3	59.9	6.7	1.4	31.0	2.4	0.9	1.9
Botswana	846	0.1	1.6	76.8	1.7	0.1	14.7	6.8	0.0	0.3
Canada	1254	9.9	18.0	49.7	27.9	9.9	14.9	7.5	8.8	11.0
Chile	705	0.9	1.9	38.7	2.8	0.9	54.6	4.0	0.9	0.8
Chinese Taipei	818	33.4	14.9	37.4	48.3	33.4	14.3	0.1	35.1	31.7
Egypt	1126	0.9	4.0	48.5	4.8	0.9	45.6	1.0	0.5	1.2
England	688	9.8	14.0	47.1	23.7	9.8	26.7	2.4	10.7	8.8
Georgia	571	1.8	2.7	41.7	4.4	1.8	52.0	1.9	1.4	2.0
Hong Kong SAR	605	27.0	17.7	46.4	44.7	27.0	8.3	0.6	27.7	26.4
Hungary	702	10.7	8.1	44.1	18.8	10.7	36.3	0.9	9.6	11.8
Iran, Islamic Rep. of	885	2.8	3.9	49.2	6.7	2.8	39.3	4.9	3.2	2.4
Ireland	659	3.4	11.9	66.6	15.2	3.4	16.5	1.6	3.3	3.5
Israel	788	9.2	11.4	43.1	20.6	9.2	30.6	5.8	11.3	7.0
Italy	649	6.9	11.8	46.9	18.7	6.9	33.1	1.3	9.3	4.8
Japan	672	35.9	14.5	31.8	50.4	35.9	16.5	1.4	38.5	33.3
Jordan	1125	0.4	0.8	58.1	1.3	0.4	38.3	2.3	0.4	0.4
Kazakhstan	699	13.9	29.6	32.9	43.5	13.9	22.0	1.6	14.9	12.8
Korea, Rep. of	761	33.9	18.7	34.9	52.5	33.9	12.1	0.6	35.2	32.7
Kuwait	610	0.7	3.2	49.7	3.9	0.7	44.2	2.2	0.9	0.5
Lebanon	550	0.9	1.9	45.3	2.8	0.9	49.7	2.2	1.4	0.2
Lithuania	630	6.6	16.1	44.3	22.7	6.6	32.3	0.6	7.8	5.4
Malaysia	1384	0.7	2.0	56.2	2.8	0.7	33.3	7.7	0.8	0.7
Malta	544	6.2	8.3	53.4	14.5	6.2	30.2	1.9	6.3	6.1
Morocco	1886	0.1	0.1	50.3	0.2	0.1	47.5	2.0	0.1	0.1
New Zealand	1172	4.8	12.2	58.0	17.0	4.8	23.6	1.4	4.7	5.0
Norway	667	11.1	10.8	47.0	21.9	11.1	26.2	5.0	10.5	11.7
Oman	1288	1.2	5.3	66.9	6.5	1.2	24.8	1.8	0.7	1.7
Qatar	770	2.6	3.5	57.7	6.1	2.6	34.3	1.9	2.0	3.2
Russian Federation	685	10.6	17.8	36.7	28.4	10.6	32.8	2.2	11.7	9.6
Saudi Arabia	543	0.0	0.3	62.8	0.3	0.0	35.5	1.4	0.0	0.0
Singapore	881	36.8	19.2	37.0	56.0	36.8	5.9	1.2	38.8	34.9
Slovenia	614	10.5	12.1	59.3	22.5	10.5	17.4	0.7	8.6	12.1
South Africa	1772	0.1	0.5	76.4	0.6	0.1	19.2	3.8	0.0	0.1
Sweden	580	5.9	10.8	44.9	16.7	5.9	30.9	7.5	7.0	5.0
Thailand	922	2.8	5.0	49.7	7.8	2.8	41.0	1.5	2.4	3.3
Turkey	870	7.5	15.7	48.4	23.2	7.5	27.8	0.7	7.8	7.2
United Arab Emirates	2570	3.5	4.8	64.8	8.2	3.5	25.3	1.6	3.9	3.0
United States	1442	6.9	14.3	60.4	21.2	6.9	13.3	5.1	8.0	5.8
International Avg (n=39)	36146	8.4	9.4	50.7	17.8	8.4	28.8	2.6	8.7	8.1
Buenos Aires, Argentina	467	0.6	1.2	27.4	1.8	0.6	59.6	11.2	0.2	1.0
Ontario, Canada	647	11.8	18.4	45.7	30.2	11.8	14.0	10.1	10.8	12.8
Quebec, Canada	566	8.5	17.3	55.4	25.9	8.5	14.8	4.0	7.6	9.6
Norway (8)	683	4.9	8.1	50.9	12.9	4.9	32.5	3.6	6.0	3.6
Abu Dhabi, UAE	691	2.9	1.5	69.3	4.4	2.9	24.2	2.1	3.5	2.2
Dubai, UAE	880	6.6	10.9	58.4	17.4	6.6	22.2	2.0	6.6	6.6
Florida, US	292	4.7	11.1	63.3	15.9	4.7	15.1	5.7	3.4	5.7

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.

M02_11 (M062325): Data and Chance / Knowing Type: MC Key: C
Label: Statements about electronic device usage survey

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1503	52.1	6.9	9.3	52.1	23.5	4.0	4.2	47.8	56.2
Bahrain	709	49.8	10.8	16.2	49.8	19.5	1.1	2.6	46.3	53.2
Botswana	847	44.4	11.6	12.3	44.4	20.7	3.1	8.0	41.1	47.8
Canada	1245	49.9	6.7	7.0	49.9	23.0	4.9	8.4	48.1	51.7
Chile	705	47.7	7.4	11.6	47.7	27.3	1.8	4.2	44.5	50.2
Chinese Taipei	818	67.7	3.3	11.5	67.7	17.2	0.1	0.2	64.3	70.8
Egypt	1125	41.6	13.0	20.8	41.6	21.4	1.8	1.4	41.8	41.4
England	688	64.4	7.0	7.7	64.4	15.9	2.3	2.7	63.1	65.7
Georgia	570	43.6	13.3	13.0	43.6	20.9	7.0	2.2	45.2	42.3
Hong Kong SAR	605	62.2	4.2	7.7	62.2	23.2	1.9	0.7	60.8	63.4
Hungary	702	45.5	3.8	7.6	45.5	33.0	9.0	1.1	46.2	44.9
Iran, Islamic Rep. of	885	26.8	11.3	12.1	26.8	36.8	6.7	6.2	21.0	32.0
Ireland	659	50.2	5.9	6.2	50.2	32.1	3.2	2.3	48.6	51.9
Israel	788	46.3	7.5	9.4	46.3	25.7	4.3	6.8	48.2	44.3
Italy	649	48.3	10.4	11.2	48.3	22.8	5.7	1.6	48.7	47.9
Japan	672	70.4	3.3	8.3	70.4	14.8	1.5	1.7	68.9	71.9
Jordan	1125	35.4	11.3	12.6	35.4	35.2	2.7	2.7	40.0	31.2
Kazakhstan	699	50.2	10.6	9.3	50.2	25.6	2.4	1.9	48.0	52.4
Korea, Rep. of	761	61.0	2.5	4.7	61.0	30.7	0.5	0.6	59.4	62.4
Kuwait	610	42.8	12.8	14.9	42.8	22.5	4.3	2.9	43.2	42.6
Lebanon	540	34.9	9.5	12.3	34.9	24.9	14.3	4.0	33.0	37.6
Lithuania	630	66.4	6.6	10.9	66.4	12.9	1.6	1.5	66.2	66.6
Malaysia	1384	43.4	8.6	9.2	43.4	25.7	3.2	9.9	43.3	43.5
Malta	544	50.2	10.4	10.6	50.2	20.2	6.2	2.4	51.1	49.3
Morocco	1885	44.8	8.1	11.1	44.8	28.2	4.6	3.2	43.1	46.2
New Zealand	1172	53.7	7.0	10.6	53.7	22.6	4.3	1.8	50.6	57.6
Norway	667	66.8	5.0	7.1	66.8	9.2	5.6	6.3	64.4	69.1
Oman	1291	46.7	11.6	13.2	46.7	24.0	2.2	2.2	52.4	41.3
Qatar	770	41.0	10.9	11.4	41.0	31.1	2.8	2.9	38.3	43.9
Russian Federation	685	33.5	12.4	6.6	33.5	37.3	7.0	3.2	29.3	37.2
Saudi Arabia	542	44.5	14.1	18.9	44.5	18.8	1.7	1.9	48.4	40.6
Singapore	881	73.3	4.7	6.3	73.3	11.8	1.9	2.0	72.5	74.0
Slovenia	614	72.2	4.2	5.9	72.2	12.8	3.9	1.0	69.7	74.6
South Africa	1772	38.7	13.0	12.6	38.7	27.0	3.9	4.7	35.0	42.6
Sweden	580	61.6	4.6	5.4	61.6	10.3	8.5	9.8	61.1	62.0
Thailand	922	55.9	9.2	9.7	55.9	21.0	2.4	1.9	58.3	53.0
Turkey	870	53.0	9.0	13.1	53.0	23.8	0.3	0.8	54.0	52.1
United Arab Emirates	2570	49.4	9.5	10.9	49.4	24.9	3.3	2.0	48.5	50.3
United States	1442	58.3	7.7	8.7	58.3	15.9	3.0	6.4	59.1	57.5
International Avg (n=39)	36126	51.0	8.5	10.5	51.0	22.9	3.8	3.3	50.1	51.9
Buenos Aires, Argentina	467	17.1	8.4	11.3	17.1	30.6	18.9	13.7	18.3	15.8
Ontario, Canada	644	57.3	6.5	5.2	57.3	15.7	4.2	11.2	52.9	61.7
Quebec, Canada	560	39.4	6.6	8.2	39.4	34.4	6.7	4.7	41.5	37.0
Norway (8)	683	67.8	4.4	3.4	67.8	13.2	5.8	5.4	65.9	69.9
Abu Dhabi, UAE	691	45.8	9.5	13.4	45.8	25.4	3.2	2.6	48.8	42.9
Dubai, UAE	880	53.9	8.1	8.7	53.9	22.4	4.2	2.7	50.2	57.8
Florida, US	292	46.9	8.8	11.6	46.9	23.5	3.3	5.9	45.7	47.8

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

M02_12 (M062106): Data and Chance / Knowing Type: MC Key: D
Label: Best estimate that the next gumball will be blue

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	39.9	23.9	15.3	11.9	39.9	4.0	5.0	40.5	39.2
Bahrain	709	54.3	13.4	17.7	10.3	54.3	1.8	2.6	58.4	50.5
Botswana	847	37.7	12.8	21.5	15.5	37.7	3.6	9.0	38.9	36.3
Canada	1253	45.1	21.1	13.8	8.1	45.1	1.9	10.1	45.4	44.7
Chile	705	41.0	15.7	17.7	19.8	41.0	1.1	4.6	41.9	40.4
Chinese Taipei	818	65.9	15.1	9.8	8.7	65.9	0.3	0.2	72.0	60.2
Egypt	1126	41.3	11.8	19.5	23.9	41.3	2.0	1.6	44.4	37.9
England	688	50.6	19.4	14.5	10.6	50.6	1.8	3.2	56.8	44.5
Georgia	570	42.6	8.6	22.1	21.3	42.6	3.0	2.4	43.7	41.7
Hong Kong SAR	605	70.4	10.5	8.6	8.5	70.4	0.7	1.3	69.4	71.3
Hungary	702	39.6	16.2	17.7	23.9	39.6	1.2	1.4	40.1	39.1
Iran, Islamic Rep. of	885	37.1	21.3	14.9	16.4	37.1	3.4	6.9	36.5	37.6
Ireland	659	47.5	18.1	13.0	16.8	47.5	1.4	3.2	48.8	46.2
Israel	788	41.3	16.1	15.9	15.9	41.3	2.9	7.8	39.6	43.1
Italy	649	37.5	22.1	18.5	15.5	37.5	3.5	2.9	34.6	40.0
Japan	672	71.8	9.9	8.1	7.2	71.8	1.1	1.8	73.3	70.4
Jordan	1125	42.7	12.7	23.1	15.9	42.7	2.5	3.1	47.2	38.6
Kazakhstan	0	.	.	.	.	.	.	.	.	.
Korea, Rep. of	761	74.1	10.9	6.4	8.1	74.1	0.0	0.6	76.2	72.2
Kuwait	610	38.5	10.8	26.4	16.9	38.5	4.1	3.4	39.6	37.3
Lebanon	547	37.2	7.2	28.2	15.6	37.2	7.9	4.0	37.2	37.1
Lithuania	630	50.6	10.3	17.0	18.9	50.6	1.6	1.6	48.5	52.7
Malaysia	1384	40.3	10.0	21.1	15.2	40.3	2.5	10.9	41.4	38.9
Malta	544	47.7	13.8	15.3	17.9	47.7	2.3	3.0	48.2	47.3
Morocco	1885	36.2	12.1	25.6	19.6	36.2	3.2	3.3	37.5	35.0
New Zealand	1172	48.6	18.2	14.9	13.4	48.6	2.2	2.6	47.8	49.7
Norway	667	44.1	15.8	14.0	15.6	44.1	2.9	7.6	42.0	46.1
Oman	1291	43.1	10.4	26.0	16.1	43.1	1.8	2.6	45.0	41.3
Qatar	770	43.4	11.5	21.3	18.4	43.4	2.4	3.1	46.8	39.8
Russian Federation	685	36.1	19.1	17.1	19.7	36.1	4.4	3.7	33.6	38.3
Saudi Arabia	541	36.3	16.5	25.9	18.7	36.3	0.5	2.1	37.5	35.1
Singapore	881	60.0	21.3	7.9	7.7	60.0	0.8	2.3	62.9	57.4
Slovenia	614	45.9	9.7	16.5	24.4	45.9	2.5	1.1	41.1	50.3
South Africa	1772	42.1	8.9	22.7	19.5	42.1	1.6	5.2	45.1	38.9
Sweden	580	41.8	14.0	12.7	18.4	41.8	1.8	11.4	33.5	48.9
Thailand	922	37.6	15.2	22.4	20.8	37.6	1.9	2.1	36.8	38.5
Turkey	870	47.6	14.0	19.6	17.4	47.6	0.7	0.8	47.6	47.6
United Arab Emirates	2570	46.6	14.0	16.9	17.2	46.6	2.9	2.4	49.3	43.9
United States	1442	44.5	20.4	13.4	11.5	44.5	2.4	7.8	45.2	43.9
International Avg (n=38)	35443	46.0	14.5	17.4	15.8	46.0	2.3	3.9	46.7	45.3
Buenos Aires, Argentina	467	37.5	6.2	16.7	13.8	37.5	11.3	14.5	36.2	38.4
Ontario, Canada	647	44.1	18.6	14.4	7.5	44.1	2.4	12.9	43.4	44.7
Quebec, Canada	565	45.7	25.7	10.4	10.4	45.7	1.3	6.5	47.8	43.1
Norway (8)	683	45.8	17.8	15.2	11.5	45.8	3.3	6.3	43.5	48.4
Abu Dhabi, UAE	691	42.4	13.9	17.8	18.8	42.4	3.9	3.1	45.5	39.3
Dubai, UAE	880	51.1	15.9	14.4	13.7	51.1	1.9	3.1	53.1	48.8
Florida, US	292	34.6	22.2	17.8	15.6	34.6	2.8	7.1	36.1	33.4

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

M02_13 (M062124): Data and Chance / Knowing Type: MC Key: A
Label: Chance Clara picks a blue marble

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1504	53.2	53.2	14.6	10.0	14.8	1.7	5.7	51.6	54.7
Bahrain	709	42.5	42.5	16.0	9.7	27.4	0.9	3.5	38.0	46.6
Botswana	847	13.7	13.7	27.7	11.2	35.4	0.8	11.2	13.7	13.7
Canada	1253	50.4	50.4	13.9	7.9	15.9	0.9	11.0	45.5	55.6
Chile	705	19.4	19.4	21.3	15.1	37.6	1.0	5.6	16.3	22.0
Chinese Taipei	818	70.2	70.2	9.3	9.3	10.6	0.2	0.4	69.4	70.9
Egypt	1126	30.7	30.7	24.7	15.0	27.0	1.0	1.7	30.1	31.3
England	688	47.2	47.2	15.5	12.2	18.5	2.2	4.4	46.0	48.5
Georgia	570	23.5	23.5	20.5	18.3	31.8	2.6	3.3	23.2	23.8
Hong Kong SAR	605	72.6	72.6	9.1	7.1	9.4	0.5	1.4	67.5	77.2
Hungary	702	29.5	29.5	18.1	20.3	29.4	0.5	2.1	23.7	35.3
Iran, Islamic Rep. of	885	29.7	29.7	18.2	11.9	31.4	0.8	8.0	24.7	34.1
Ireland	659	58.7	58.7	12.0	10.3	14.8	1.0	3.3	55.0	62.5
Israel	788	42.8	42.8	17.1	11.4	19.2	1.2	8.4	39.5	46.1
Italy	649	37.6	37.6	17.1	14.2	25.5	1.4	4.2	36.5	38.6
Japan	672	73.7	73.7	6.7	7.2	9.1	0.7	2.6	75.8	71.6
Jordan	1125	13.5	13.5	27.0	19.6	34.1	1.8	4.0	12.8	14.1
Kazakhstan	698	45.0	45.0	20.8	10.9	20.1	1.3	1.9	44.1	46.1
Korea, Rep. of	761	81.9	81.9	3.7	4.9	8.8	0.2	0.6	82.8	81.0
Kuwait	610	18.9	18.9	28.9	16.6	27.2	3.5	4.9	17.5	20.4
Lebanon	544	11.0	11.0	32.8	16.1	29.0	5.6	5.5	9.5	13.0
Lithuania	630	32.5	32.5	18.5	15.4	30.6	1.4	1.7	25.4	39.4
Malaysia	1384	27.8	27.8	19.0	17.1	22.5	1.5	12.1	28.8	26.7
Malta	544	38.3	38.3	18.8	11.9	26.4	1.0	3.5	37.0	39.6
Morocco	1885	11.8	11.8	24.9	22.9	34.0	2.1	4.3	12.0	11.6
New Zealand	1172	51.4	51.4	14.5	13.3	16.3	0.5	4.0	48.7	54.8
Norway	667	59.4	59.4	10.8	8.6	11.4	1.2	8.7	53.0	65.5
Oman	1291	19.8	19.8	25.6	14.2	36.1	1.1	3.2	22.6	17.2
Qatar	770	31.1	31.1	24.0	17.5	21.4	2.0	4.0	27.3	35.1
Russian Federation	685	41.2	41.2	16.3	11.0	25.8	1.0	4.7	36.6	45.2
Saudi Arabia	541	20.7	20.7	21.4	18.5	36.6	0.4	2.3	16.3	25.3
Singapore	881	78.9	78.9	5.5	3.7	8.5	0.6	2.8	80.2	77.7
Slovenia	614	38.9	38.9	21.1	13.9	23.9	0.4	1.8	34.8	42.6
South Africa	1772	13.7	13.7	23.1	17.4	38.6	1.2	5.9	11.9	15.5
Sweden	580	49.0	49.0	14.1	11.0	11.7	2.3	11.9	42.6	54.6
Thailand	922	30.6	30.6	21.8	18.9	25.3	0.6	2.8	29.3	32.2
Turkey	870	39.4	39.4	24.0	10.0	25.3	0.2	1.1	40.0	38.9
United Arab Emirates	2570	33.2	33.2	19.5	12.7	28.6	2.4	3.6	31.8	34.5
United States	1442	53.2	53.2	11.6	7.9	16.3	1.7	9.3	50.1	56.5
International Avg (n=39)	36138	39.4	39.4	18.2	12.9	23.5	1.3	4.6	37.2	41.5
Buenos Aires, Argentina	467	16.6	16.6	19.7	16.3	24.1	6.7	16.5	13.0	19.4
Ontario, Canada	647	47.2	47.2	14.2	7.6	16.1	0.6	14.2	41.1	53.4
Quebec, Canada	565	58.0	58.0	13.7	4.9	14.8	1.8	6.8	52.9	64.0
Norway (8)	683	56.9	56.9	11.2	10.2	12.8	1.9	7.1	52.4	61.9
Abu Dhabi, UAE	691	28.2	28.2	22.0	15.3	26.4	3.1	5.0	26.4	30.0
Dubai, UAE	880	46.9	46.9	14.5	8.6	23.8	2.4	3.7	45.8	48.1
Florida, US	292	43.5	43.5	16.6	12.1	18.4	1.4	8.0	39.6	46.4

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

M03_01 (M052209): Number / Knowing Type: MC Key: C
Label: Decimal closest in size to 3/4.

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	71.1	20.8	2.9	71.1	4.0	1.1	0.2	67.9	74.5
Bahrain	705	52.2	20.9	19.8	52.2	5.1	1.8	0.1	54.2	50.5
Botswana	860	51.2	36.4	7.1	51.2	4.7	0.6	0.0	55.9	45.8
Canada	1240	80.0	13.9	3.0	80.0	2.4	0.7	0.1	80.0	79.8
Chile	695	35.9	41.6	12.6	35.9	7.2	2.7	0.0	36.9	35.1
Chinese Taipei	823	80.0	8.7	6.4	80.0	4.9	0.0	0.1	79.3	80.6
Egypt	1122	51.9	21.7	20.4	51.9	4.9	0.9	0.2	55.7	47.6
England	681	76.4	17.2	3.8	76.4	1.9	0.7	0.0	74.2	78.6
Georgia	573	41.0	38.1	11.5	41.0	8.8	0.6	0.1	45.4	37.3
Hong Kong SAR	601	90.6	4.4	2.8	90.6	1.9	0.0	0.2	92.6	88.8
Hungary	702	56.9	27.2	10.1	56.9	5.9	0.0	0.0	55.6	58.2
Iran, Islamic Rep. of	891	35.3	43.0	9.9	35.3	10.1	1.6	0.2	37.2	33.7
Ireland	662	86.2	9.0	2.8	86.2	1.7	0.2	0.1	86.3	86.1
Israel	792	64.6	17.1	9.9	64.6	7.5	0.9	0.0	63.6	65.7
Italy	640	59.5	26.0	4.0	59.5	8.7	1.8	0.0	59.7	59.3
Japan	683	75.0	9.7	9.7	75.0	5.1	0.4	0.0	74.0	76.0
Jordan	1125	28.7	30.7	35.9	28.7	2.4	2.3	0.1	31.4	26.1
Kazakhstan	701	74.9	13.8	6.8	74.9	3.9	0.6	0.0	79.4	70.4
Korea, Rep. of	763	87.6	6.4	3.9	87.6	1.7	0.4	0.0	89.2	86.3
Kuwait	657	43.7	29.3	16.1	43.7	7.2	3.1	0.6	44.9	42.3
Lebanon	554	75.1	12.3	3.1	75.1	3.4	4.9	1.2	73.6	76.8
Lithuania	633	66.3	23.9	5.9	66.3	3.3	0.7	0.0	70.2	62.7
Malaysia	1401	62.5	25.4	7.5	62.5	3.1	1.4	0.0	67.3	57.9
Malta	549	74.1	17.7	4.6	74.1	2.7	0.6	0.2	74.7	73.6
Morocco	1862	51.8	22.9	18.0	51.8	5.6	1.7	0.0	57.3	47.5
New Zealand	1145	66.3	24.6	5.1	66.3	3.1	0.6	0.3	65.7	66.9
Norway	676	71.1	17.8	4.4	71.1	5.9	0.8	0.0	70.8	71.5
Oman	1262	41.0	26.5	26.8	41.0	4.7	0.9	0.1	44.5	37.7
Qatar	783	58.5	25.8	8.6	58.5	6.0	0.9	0.1	55.7	61.5
Russian Federation	684	74.9	17.2	3.5	74.9	3.4	0.9	0.2	75.4	74.4
Saudi Arabia	536	35.0	32.6	26.1	35.0	5.3	0.7	0.4	36.7	33.2
Singapore	875	95.0	2.8	0.6	95.0	1.3	0.3	0.0	95.8	94.3
Slovenia	615	66.5	21.5	5.9	66.5	4.7	1.4	0.0	67.3	65.8
South Africa	1794	37.3	48.8	10.1	37.3	3.1	0.6	0.0	40.1	34.2
Sweden	583	69.4	12.9	5.4	69.4	5.6	6.6	0.2	70.4	68.6
Thailand	931	35.6	45.2	11.5	35.6	7.1	0.7	0.0	38.3	32.4
Turkey	875	38.7	36.7	13.4	38.7	10.3	0.9	0.0	38.7	38.7
United Arab Emirates	2563	65.1	21.4	7.1	65.1	5.2	1.2	0.0	67.2	63.1
United States	1454	84.5	9.6	2.4	84.5	2.3	0.8	0.4	87.0	82.1
International Avg (n=39)	36156	61.8	22.6	9.5	61.8	4.8	1.2	0.1	63.1	60.6
Buenos Aires, Argentina	454	34.9	38.3	6.8	34.9	8.2	7.0	4.7	32.1	37.3
Ontario, Canada	640	76.7	16.4	3.8	76.7	2.7	0.4	0.0	76.6	76.7
Quebec, Canada	558	87.4	8.5	1.6	87.4	0.8	1.4	0.3	89.5	84.9
Norway (8)	681	59.6	27.4	5.7	59.6	6.4	0.6	0.4	56.5	63.3
Abu Dhabi, UAE	686	61.7	23.7	7.0	61.7	5.6	2.1	0.0	69.0	54.9
Dubai, UAE	880	72.3	16.8	4.6	72.3	5.6	0.7	0.0	69.8	75.1
Florida, US	296	84.9	9.2	2.5	84.9	3.0	0.4	0.0	84.7	85.1

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

M03_02 (M052142): Number / Applying Type: MC Key: A
Label: Height of a stack of stools

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	43.8	43.8	20.6	14.7	19.4	1.2	0.2	41.6	46.2
Bahrain	705	37.3	37.3	16.8	17.3	27.0	1.5	0.1	33.7	40.6
Botswana	860	21.0	21.0	15.7	26.4	35.1	1.8	0.0	22.5	19.3
Canada	1240	53.8	53.8	16.8	8.2	19.5	1.6	0.1	50.1	58.1
Chile	695	37.1	37.1	18.7	18.6	24.5	0.6	0.5	32.5	40.9
Chinese Taipei	823	71.3	71.3	14.1	3.5	11.0	0.0	0.1	67.6	74.7
Egypt	1122	15.4	15.4	19.9	27.6	33.7	3.0	0.3	16.0	14.8
England	681	45.7	45.7	15.4	12.3	26.2	0.3	0.0	44.4	47.0
Georgia	573	29.6	29.6	20.6	18.2	30.4	1.1	0.1	25.6	32.8
Hong Kong SAR	601	59.9	59.9	19.1	7.5	13.2	0.1	0.2	55.7	63.9
Hungary	702	46.1	46.1	22.5	9.7	21.5	0.2	0.0	45.4	46.8
Iran, Islamic Rep. of	891	34.2	34.2	17.3	19.0	25.8	3.4	0.2	32.6	35.7
Ireland	662	46.9	46.9	22.7	9.8	20.0	0.5	0.1	48.1	45.6
Israel	792	40.4	40.4	20.0	9.9	28.3	1.4	0.0	38.6	42.2
Italy	640	33.1	33.1	15.7	11.5	37.7	1.9	0.0	31.7	34.6
Japan	683	66.0	66.0	20.3	5.1	8.5	0.2	0.0	61.4	70.4
Jordan	1125	22.9	22.9	18.7	20.2	35.0	3.1	0.1	20.6	25.1
Kazakhstan	701	53.4	53.4	19.2	10.9	15.9	0.6	0.0	52.7	54.2
Korea, Rep. of	763	72.1	72.1	14.0	5.3	8.6	0.0	0.0	67.6	75.9
Kuwait	657	21.0	21.0	21.0	25.7	29.3	2.3	0.6	20.9	21.1
Lebanon	550	17.8	17.8	13.1	23.5	37.5	6.5	1.6	15.8	19.9
Lithuania	633	42.6	42.6	24.6	10.6	22.0	0.2	0.0	40.7	44.3
Malaysia	1401	45.6	45.6	17.7	14.7	20.6	1.4	0.0	47.4	43.8
Malta	549	36.5	36.5	24.4	14.1	23.4	1.3	0.2	35.7	37.1
Morocco	1862	16.1	16.1	20.2	25.2	34.5	4.0	0.0	16.0	16.1
New Zealand	1145	42.7	42.7	23.8	10.1	22.3	0.8	0.3	41.5	43.9
Norway	676	43.9	43.9	28.1	10.2	16.3	1.5	0.0	44.9	42.9
Oman	1262	20.9	20.9	17.1	26.6	33.5	1.8	0.1	20.4	21.5
Qatar	783	27.0	27.0	22.4	21.2	27.2	2.0	0.1	24.7	29.4
Russian Federation	684	44.3	44.3	26.5	9.7	17.7	1.7	0.2	40.0	48.4
Saudi Arabia	536	20.4	20.4	20.6	26.2	31.0	1.5	0.4	14.0	27.2
Singapore	875	71.0	71.0	11.9	3.5	12.9	0.7	0.0	67.9	73.6
Slovenia	615	46.4	46.4	21.0	6.9	24.7	1.0	0.0	42.8	49.2
South Africa	1794	24.2	24.2	16.5	26.4	31.2	1.6	0.0	24.5	23.9
Sweden	583	44.7	44.7	26.7	7.0	16.3	5.2	0.2	41.4	47.6
Thailand	931	43.9	43.9	17.6	16.4	20.9	1.2	0.0	45.7	42.0
Turkey	875	33.3	33.3	19.6	16.1	30.2	0.8	0.0	32.9	33.6
United Arab Emirates	2563	32.3	32.3	21.7	19.5	24.7	1.8	0.0	33.6	31.0
United States	1454	48.8	48.8	18.9	10.8	20.0	1.0	0.4	49.3	48.2
International Avg (n=39)	36152	39.8	39.8	19.5	14.9	24.0	1.6	0.2	38.2	41.4
Buenos Aires, Argentina	457	17.6	17.6	12.3	15.6	42.2	7.2	5.1	15.6	19.1
Ontario, Canada	640	54.8	54.8	15.7	7.9	20.4	1.1	0.0	51.1	59.1
Quebec, Canada	558	51.7	51.7	19.2	8.3	17.6	2.8	0.3	48.1	56.1
Norway (8)	681	36.3	36.3	26.7	14.3	21.1	1.2	0.5	35.7	36.9
Abu Dhabi, UAE	686	29.2	29.2	20.0	20.8	27.6	2.5	0.0	30.8	27.7
Dubai, UAE	880	39.9	39.9	21.9	14.7	21.8	1.6	0.0	40.5	39.3
Florida, US	296	43.2	43.2	19.6	10.7	25.4	1.1	0.0	37.4	47.9

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

M03_03 (M052006): Number / Reasoning Type: MC Key: D
Label: Which statement about x is true

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	39.8	19.9	17.3	18.3	39.8	4.4	0.3	38.1	41.7
Bahrain	705	46.9	18.8	15.6	15.3	46.9	3.3	0.1	47.4	46.6
Botswana	860	43.3	15.7	19.8	18.1	43.3	3.0	0.1	46.1	40.2
Canada	1231	37.6	22.3	17.3	18.5	37.6	4.1	0.2	36.3	38.9
Chile	695	25.7	19.8	32.9	15.2	25.7	5.9	0.5	26.5	25.0
Chinese Taipei	823	76.1	8.0	7.3	7.7	76.1	0.8	0.1	78.1	74.2
Egypt	1122	39.4	18.1	21.6	15.9	39.4	4.8	0.3	45.1	33.0
England	681	41.0	15.7	17.4	22.2	41.0	3.7	0.0	46.4	35.9
Georgia	574	34.4	18.0	27.5	13.5	34.4	6.4	0.1	36.7	32.5
Hong Kong SAR	601	62.0	11.1	9.5	16.0	62.0	1.2	0.2	59.5	64.4
Hungary	702	36.1	20.6	20.8	18.4	36.1	4.1	0.0	35.1	37.1
Iran, Islamic Rep. of	891	43.7	12.8	18.6	16.7	43.7	8.0	0.2	44.9	42.5
Ireland	662	43.0	22.9	17.9	11.9	43.0	4.3	0.1	42.2	43.9
Israel	792	50.4	12.7	14.9	15.4	50.4	6.6	0.0	53.9	46.9
Italy	640	51.4	14.0	16.2	13.1	51.4	5.4	0.0	52.3	50.4
Japan	683	57.4	8.8	10.7	21.9	57.4	1.2	0.0	57.4	57.4
Jordan	1125	44.3	18.7	15.4	16.7	44.3	4.9	0.1	52.9	36.3
Kazakhstan	701	59.9	15.0	15.0	9.0	59.9	1.2	0.0	65.5	54.3
Korea, Rep. of	763	78.1	4.3	7.1	8.7	78.1	1.8	0.0	78.0	78.1
Kuwait	657	34.2	22.9	20.2	15.0	34.2	7.2	0.6	38.6	29.5
Lebanon	521	31.3	17.9	22.6	10.3	31.3	16.1	1.7	33.3	29.2
Lithuania	633	33.7	19.3	26.0	17.5	33.7	3.4	0.0	33.5	33.9
Malaysia	1401	38.3	21.3	20.8	13.5	38.3	6.1	0.0	42.2	34.4
Malta	549	37.7	15.1	18.0	22.4	37.7	6.5	0.2	41.8	34.0
Morocco	1867	37.1	22.5	21.6	12.9	37.1	6.0	0.0	42.4	32.9
New Zealand	1145	39.7	20.0	17.9	18.4	39.7	3.7	0.3	41.4	37.9
Norway	676	34.8	17.0	20.9	19.5	34.8	7.8	0.0	40.8	29.2
Oman	1262	40.3	22.1	16.6	17.9	40.3	3.0	0.1	43.5	37.2
Qatar	783	40.3	19.0	15.5	18.9	40.3	6.3	0.1	48.0	32.2
Russian Federation	684	57.7	10.4	17.2	8.2	57.7	6.4	0.2	55.5	59.7
Saudi Arabia	536	39.0	23.0	17.0	18.1	39.0	2.5	0.4	45.0	32.4
Singapore	875	66.3	12.5	7.0	12.8	66.3	1.3	0.0	66.7	66.0
Slovenia	615	39.4	17.6	19.0	15.7	39.4	8.2	0.0	39.4	39.5
South Africa	1794	25.7	23.3	29.3	18.0	25.7	3.7	0.0	28.5	22.5
Sweden	583	31.9	28.9	17.4	14.0	31.9	7.6	0.2	33.3	30.9
Thailand	931	56.4	12.2	11.3	15.9	56.4	4.1	0.0	60.3	51.8
Turkey	875	31.3	31.4	20.4	15.3	31.3	1.5	0.0	35.5	27.5
United Arab Emirates	2563	47.6	15.8	15.4	16.7	47.6	4.5	0.0	53.9	41.2
United States	1454	50.6	12.5	13.5	21.0	50.6	1.9	0.4	52.0	49.2
International Avg (n=39)	36120	44.2	17.5	17.7	15.8	44.2	4.7	0.2	46.6	41.8
Buenos Aires, Argentina	453	22.3	20.6	21.5	12.2	22.3	18.2	5.2	26.2	19.1
Ontario, Canada	636	38.6	23.2	17.5	17.0	38.6	3.6	0.1	38.1	38.8
Quebec, Canada	553	35.4	21.0	17.3	20.4	35.4	5.5	0.3	34.3	36.8
Norway (8)	681	31.2	25.3	20.0	17.6	31.2	5.4	0.5	29.6	33.1
Abu Dhabi, UAE	686	44.6	18.1	14.0	17.4	44.6	5.8	0.0	55.2	34.9
Dubai, UAE	880	55.0	13.8	14.8	13.2	55.0	3.2	0.0	57.0	52.8
Florida, US	296	49.2	10.2	17.8	19.0	49.2	3.4	0.4	52.9	46.2

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

M03_04 (M052035): Number / Knowing Type: CR 1 Point
Label: Compare size of decimal numbers

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	43.1	55.7	43.1	0.9	0.3	37.5	49.3
Bahrain	705	21.0	78.4	21.0	0.5	0.1	18.3	23.3
Botswana	860	9.4	90.4	9.4	0.2	0.1	8.4	10.4
Canada	1241	63.8	35.0	63.8	1.0	0.2	58.9	69.5
Chile	695	15.6	80.4	15.6	3.2	0.7	11.9	18.7
Chinese Taipei	823	80.4	19.3	80.4	0.3	0.1	77.7	82.8
Egypt	1122	13.7	85.1	13.7	0.9	0.3	10.7	16.9
England	681	46.9	52.3	46.9	0.8	0.0	45.8	47.9
Georgia	574	33.6	63.8	33.6	2.4	0.1	31.4	35.4
Hong Kong SAR	601	80.6	19.0	80.6	0.0	0.4	81.7	79.6
Hungary	702	48.4	51.4	48.4	0.1	0.0	42.2	54.7
Iran, Islamic Rep. of	891	31.2	68.2	31.2	0.4	0.2	32.7	29.8
Ireland	662	59.7	40.1	59.7	0.1	0.1	56.7	62.8
Israel	792	56.6	42.0	56.6	1.2	0.1	54.7	58.5
Italy	640	49.0	50.8	49.0	0.2	0.0	42.8	55.6
Japan	683	78.0	21.1	78.0	0.7	0.1	75.8	80.1
Jordan	1125	13.7	85.5	13.7	0.6	0.2	15.7	12.0
Kazakhstan	701	55.0	44.2	55.0	0.8	0.0	52.7	57.3
Korea, Rep. of	763	79.8	20.2	79.8	0.0	0.0	75.0	83.7
Kuwait	657	23.1	74.4	23.1	1.6	0.9	23.3	22.9
Lebanon	555	39.5	57.8	39.5	1.1	1.6	36.6	42.7
Lithuania	633	53.5	46.4	53.5	0.1	0.0	50.1	56.6
Malaysia	1401	25.1	72.8	25.1	1.8	0.2	23.9	26.3
Malta	549	51.3	46.5	51.3	2.0	0.2	45.6	56.6
Morocco	1867	23.9	75.0	23.9	1.1	0.0	25.6	22.5
New Zealand	1145	39.3	59.9	39.3	0.4	0.3	35.8	43.1
Norway	676	72.1	27.1	72.1	0.8	0.0	69.0	75.0
Oman	1258	11.9	86.7	11.9	1.2	0.1	12.5	11.4
Qatar	783	27.5	70.3	27.5	2.1	0.1	25.4	29.7
Russian Federation	684	59.7	39.3	59.7	0.6	0.4	57.5	61.7
Saudi Arabia	536	8.3	90.3	8.3	1.1	0.4	8.9	7.6
Singapore	875	73.5	26.3	73.5	0.1	0.0	72.3	74.6
Slovenia	615	57.6	42.0	57.6	0.4	0.0	50.8	63.0
South Africa	1794	8.3	91.1	8.3	0.6	0.0	9.1	7.4
Sweden	583	42.0	52.6	42.0	4.2	1.2	42.9	41.5
Thailand	931	30.3	69.2	30.3	0.5	0.0	29.6	31.2
Turkey	875	22.7	76.6	22.7	0.8	0.0	21.2	24.1
United Arab Emirates	2563	32.8	66.4	32.8	0.9	0.0	31.7	33.9
United States	1454	57.5	41.6	57.5	0.2	0.7	55.4	59.5
International Avg (n=39)	36160	42.0	56.8	42.0	0.9	0.2	39.9	44.1
Buenos Aires, Argentina	461	28.0	60.4	28.0	5.5	6.1	24.9	31.0
Ontario, Canada	640	60.0	38.4	60.0	1.5	0.1	55.3	65.4
Quebec, Canada	559	75.5	23.8	75.5	0.3	0.4	72.1	79.6
Norway (8)	681	68.0	30.6	68.0	0.8	0.5	62.8	74.1
Abu Dhabi, UAE	686	26.5	72.1	26.5	1.4	0.0	25.9	27.1
Dubai, UAE	880	47.3	52.2	47.3	0.5	0.0	47.6	47.0
Florida, US	296	46.8	52.2	46.8	0.7	0.4	39.8	52.3

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.

M03_05 (M052016): Number / Applying Type: CR 1 Point
Label: Milk needed in cake recipe

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	40.0	56.2	40.0	3.4	0.3	33.8	46.9
Bahrain	705	20.9	71.8	20.9	7.2	0.1	19.5	22.2
Botswana	860	11.4	85.8	11.4	2.7	0.1	12.0	10.9
Canada	1241	54.3	43.1	54.3	2.5	0.2	52.0	57.0
Chile	695	15.2	74.7	15.2	9.4	0.7	9.7	19.7
Chinese Taipei	823	70.3	27.8	70.3	1.8	0.1	66.4	73.9
Egypt	1122	11.9	79.8	11.9	8.0	0.3	10.6	13.2
England	681	52.4	45.7	52.4	1.9	0.0	51.5	53.3
Georgia	574	28.5	59.5	28.5	11.8	0.1	29.5	27.7
Hong Kong SAR	601	74.0	23.6	74.0	2.0	0.4	72.0	75.8
Hungary	702	48.4	49.8	48.4	1.8	0.0	44.5	52.4
Iran, Islamic Rep. of	891	16.4	74.4	16.4	9.0	0.2	12.5	19.9
Ireland	662	50.3	47.4	50.3	2.2	0.1	50.0	50.7
Israel	792	44.7	49.3	44.7	5.8	0.1	42.9	46.5
Italy	640	40.6	53.2	40.6	6.2	0.0	36.0	45.5
Japan	683	70.3	28.3	70.3	1.2	0.1	69.7	70.9
Jordan	1125	9.3	86.4	9.3	4.2	0.2	9.0	9.5
Kazakhstan	701	52.5	43.6	52.5	3.9	0.0	50.8	54.1
Korea, Rep. of	763	78.3	20.7	78.3	1.0	0.0	72.3	83.3
Kuwait	657	9.3	80.2	9.3	9.6	0.9	7.1	11.5
Lebanon	555	36.2	47.9	36.2	14.2	1.7	32.6	40.1
Lithuania	633	55.1	40.3	55.1	4.7	0.0	52.2	57.8
Malaysia	1401	36.3	58.6	36.3	4.8	0.4	35.2	37.3
Malta	549	43.5	51.3	43.5	4.8	0.5	41.2	45.6
Morocco	1867	17.2	74.4	17.2	8.4	0.0	20.2	14.8
New Zealand	1145	41.3	55.9	41.3	2.4	0.3	40.1	42.7
Norway	676	57.9	39.1	57.9	3.0	0.0	53.3	62.2
Oman	1258	14.5	79.8	14.5	5.6	0.1	17.0	12.1
Qatar	783	23.1	69.7	23.1	7.1	0.1	21.7	24.6
Russian Federation	684	52.3	41.4	52.3	5.9	0.4	46.9	57.4
Saudi Arabia	536	7.0	84.7	7.0	7.9	0.4	6.5	7.6
Singapore	875	77.6	21.9	77.6	0.5	0.0	77.2	77.9
Slovenia	615	52.5	45.0	52.5	2.6	0.0	43.6	59.5
South Africa	1794	7.8	89.2	7.8	3.0	0.0	7.3	8.2
Sweden	582	53.6	43.1	53.6	2.1	1.2	45.1	60.9
Thailand	931	21.6	74.1	21.6	4.2	0.0	21.8	21.5
Turkey	875	24.9	70.9	24.9	4.2	0.0	19.8	29.6
United Arab Emirates	2563	28.1	67.3	28.1	4.6	0.0	24.2	31.9
United States	1454	37.3	60.0	37.3	2.0	0.7	36.1	38.5
International Avg (n=39)	36159	38.1	56.8	38.1	4.8	0.3	35.7	40.4
Buenos Aires, Argentina	461	21.0	52.2	21.0	20.5	6.3	16.4	24.9
Ontario, Canada	640	46.1	51.8	46.1	2.0	0.2	43.1	49.5
Quebec, Canada	559	70.3	25.4	70.3	4.0	0.4	69.0	71.8
Norway (8)	681	44.6	52.6	44.6	2.3	0.5	38.2	52.0
Abu Dhabi, UAE	686	22.5	71.7	22.5	5.9	0.0	20.9	23.9
Dubai, UAE	880	40.6	55.0	40.6	4.3	0.0	35.5	46.2
Florida, US	296	34.1	62.9	34.1	2.7	0.4	29.9	37.4

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.

M03_06 (M052064): Algebra / Knowing Type: MC Key: C
Label: Value of the given expression

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	48.8	10.7	24.0	48.8	12.2	4.0	0.3	52.4	44.9
Bahrain	705	45.7	15.5	21.7	45.7	13.1	3.8	0.1	46.3	45.2
Botswana	860	35.7	22.0	21.8	35.7	18.0	2.5	0.1	39.3	31.6
Canada	1240	58.4	12.8	14.0	58.4	11.7	2.6	0.6	61.9	54.6
Chile	695	28.5	25.3	26.2	28.5	12.4	6.2	1.5	24.4	31.9
Chinese Taipei	823	70.5	9.6	12.6	70.5	6.7	0.4	0.2	70.3	70.6
Egypt	1122	42.9	12.3	26.7	42.9	15.5	2.3	0.4	49.1	36.0
England	681	51.1	15.1	14.7	51.1	14.2	4.8	0.2	56.8	45.7
Georgia	574	45.4	18.8	20.5	45.4	12.2	2.7	0.4	50.3	41.4
Hong Kong SAR	601	81.5	5.5	7.0	81.5	4.1	1.5	0.4	84.1	79.0
Hungary	702	56.5	15.3	17.7	56.5	8.2	2.3	0.0	58.8	54.0
Iran, Islamic Rep. of	891	33.2	14.6	28.7	33.2	16.1	7.3	0.2	33.7	32.7
Ireland	662	62.5	10.2	12.8	62.5	11.5	2.9	0.1	68.3	56.2
Israel	792	61.8	11.4	12.9	61.8	9.8	4.0	0.1	63.1	60.5
Italy	640	45.8	16.3	21.2	45.8	9.1	7.5	0.1	45.2	46.3
Japan	683	56.0	6.3	26.0	56.0	10.3	1.2	0.1	56.2	55.9
Jordan	1125	28.3	20.6	27.6	28.3	17.4	5.9	0.2	29.0	27.6
Kazakhstan	701	69.5	12.2	12.4	69.5	5.0	0.9	0.0	73.5	65.6
Korea, Rep. of	763	68.2	9.8	16.8	68.2	3.8	1.4	0.0	65.0	71.0
Kuwait	657	33.5	18.3	28.2	33.5	12.4	6.1	1.5	34.1	33.0
Lebanon	552	53.1	8.9	14.1	53.1	12.0	9.7	2.3	52.8	53.4
Lithuania	633	50.1	16.9	20.5	50.1	9.6	2.8	0.0	50.7	49.6
Malaysia	1401	58.1	10.8	16.2	58.1	11.6	2.8	0.5	63.7	52.5
Malta	549	61.7	10.4	13.2	61.7	11.0	3.0	0.7	61.1	62.2
Morocco	1864	30.4	18.4	27.0	30.4	18.3	5.8	0.0	31.9	29.4
New Zealand	1145	41.3	16.5	22.3	41.3	14.9	4.8	0.3	41.0	41.5
Norway	676	42.0	15.6	23.8	42.0	13.4	5.2	0.0	46.2	38.0
Oman	1262	40.6	16.6	22.1	40.6	17.3	3.3	0.2	44.6	36.9
Qatar	783	45.3	19.2	19.6	45.3	10.9	4.9	0.1	44.6	46.0
Russian Federation	684	67.1	8.7	14.4	67.1	7.4	2.1	0.4	67.0	67.2
Saudi Arabia	536	31.0	19.5	28.5	31.0	18.5	2.1	0.4	30.6	31.4
Singapore	875	89.5	3.1	4.4	89.5	2.4	0.6	0.0	92.2	87.1
Slovenia	615	52.6	18.0	16.4	52.6	8.2	4.8	0.0	56.2	49.9
South Africa	1794	32.1	12.8	31.3	32.1	22.0	1.7	0.0	35.4	28.4
Sweden	583	39.7	12.7	21.2	39.7	16.9	8.2	1.2	36.6	42.5
Thailand	931	29.9	18.4	27.4	29.9	19.0	5.3	0.0	28.6	31.4
Turkey	875	28.3	18.3	29.9	28.3	20.3	3.1	0.0	30.7	26.1
United Arab Emirates	2563	56.7	13.5	16.7	56.7	10.4	2.6	0.0	60.9	52.6
United States	1454	61.8	14.2	12.6	61.8	8.5	2.1	0.8	64.4	59.2
International Avg (n=39)	36157	49.6	14.2	19.9	49.6	12.2	3.7	0.3	51.3	47.9
Buenos Aires, Argentina	448	21.7	14.4	21.6	21.7	11.4	23.2	7.6	20.2	23.3
Ontario, Canada	640	54.8	12.7	16.0	54.8	13.1	2.6	0.7	58.8	50.9
Quebec, Canada	558	66.8	12.8	7.9	66.8	9.5	2.8	0.4	69.0	64.2
Norway (8)	681	29.8	19.1	27.5	29.8	14.9	8.1	0.5	30.7	28.7
Abu Dhabi, UAE	686	53.9	13.5	17.7	53.9	11.2	3.7	0.0	63.0	45.4
Dubai, UAE	880	61.1	13.5	14.3	61.1	8.8	2.3	0.0	60.6	61.6
Florida, US	296	58.1	16.7	13.8	58.1	8.2	2.9	0.4	55.1	60.5

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

M03_07 (M052126): Algebra / Applying Type: CR 1 Point
Label: Expression for the shaded area

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	6.7	82.9	6.7	10.0	0.3	7.0	6.4
Bahrain	705	4.3	78.9	4.3	16.5	0.3	5.1	3.7
Botswana	860	0.7	95.4	0.7	3.8	0.1	0.6	0.8
Canada	1241	11.7	77.4	11.7	10.3	0.6	11.9	11.5
Chile	695	2.7	65.3	2.7	30.3	1.6	2.9	2.7
Chinese Taipei	823	59.7	35.3	59.7	4.7	0.2	60.6	58.9
Egypt	1122	7.9	79.1	7.9	12.7	0.4	7.2	8.6
England	681	11.2	74.3	11.2	14.4	0.2	13.3	9.2
Georgia	574	7.1	61.2	7.1	31.4	0.4	7.8	6.4
Hong Kong SAR	601	55.1	41.0	55.1	3.6	0.4	58.0	52.3
Hungary	702	11.2	71.3	11.2	17.5	0.0	9.7	12.8
Iran, Islamic Rep. of	891	9.1	60.3	9.1	30.4	0.2	9.0	9.2
Ireland	662	6.5	83.8	6.5	9.6	0.1	4.5	8.6
Israel	792	24.7	54.4	24.7	20.8	0.1	26.4	22.9
Italy	640	15.3	52.8	15.3	31.8	0.1	17.3	13.2
Japan	683	64.3	30.6	64.3	5.0	0.1	69.5	59.5
Jordan	1125	4.1	82.9	4.1	12.8	0.2	4.6	3.6
Kazakhstan	701	32.4	56.6	32.4	11.0	0.0	36.0	28.8
Korea, Rep. of	763	56.7	37.8	56.7	5.4	0.0	56.9	56.6
Kuwait	657	3.1	76.6	3.1	18.6	1.7	2.3	4.0
Lebanon	555	4.8	62.9	4.8	29.2	3.1	3.3	6.4
Lithuania	633	17.7	63.9	17.7	18.4	0.0	22.6	13.2
Malaysia	1401	8.1	80.5	8.1	10.8	0.6	7.4	8.9
Malta	549	10.1	69.7	10.1	19.3	1.0	11.5	8.7
Morocco	1863	3.4	74.7	3.4	21.9	0.0	3.6	3.2
New Zealand	1145	7.6	81.0	7.6	10.4	1.0	8.2	7.0
Norway	676	14.7	61.7	14.7	23.5	0.1	16.8	12.8
Oman	1260	8.2	81.8	8.2	9.8	0.2	11.5	5.0
Qatar	783	6.2	80.0	6.2	13.7	0.1	5.3	7.3
Russian Federation	684	30.4	46.5	30.4	22.7	0.4	32.6	28.4
Saudi Arabia	536	1.7	85.8	1.7	12.1	0.4	2.6	0.8
Singapore	875	71.5	27.4	71.5	1.2	0.0	73.1	70.1
Slovenia	615	13.8	64.0	13.8	22.3	0.0	14.5	13.2
South Africa	1794	0.8	94.5	0.8	4.5	0.2	1.0	0.7
Sweden	583	17.0	70.2	17.0	11.5	1.2	16.3	17.8
Thailand	931	3.3	83.9	3.3	12.8	0.0	3.7	2.9
Turkey	875	11.0	78.2	11.0	10.8	0.0	12.9	9.3
United Arab Emirates	2563	13.0	78.7	13.0	8.3	0.0	15.3	10.8
United States	1454	9.3	84.2	9.3	5.7	0.8	10.2	8.4
International Avg (n=39)	36158	16.6	68.4	16.6	14.6	0.4	17.5	15.8
Buenos Aires, Argentina	461	2.8	42.2	2.8	47.4	7.7	2.3	3.2
Ontario, Canada	640	7.9	82.5	7.9	8.8	0.8	8.2	7.7
Quebec, Canada	559	20.5	66.1	20.5	13.1	0.4	21.2	19.6
Norway (8)	681	6.3	69.3	6.3	23.9	0.5	7.4	5.1
Abu Dhabi, UAE	686	10.1	82.3	10.1	7.6	0.0	13.0	7.4
Dubai, UAE	880	22.5	67.4	22.5	10.1	0.0	26.8	17.8
Florida, US	296	8.6	82.3	8.6	8.3	0.7	3.6	12.5

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.

M03_08 (M052103): Algebra / Knowing Type: MC Key: B
Label: Value of y when x = 25

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	52.0	5.1	52.0	14.4	25.0	3.1	0.4	52.5	51.5
Bahrain	705	53.9	8.8	53.9	10.7	24.9	1.3	0.3	58.1	50.2
Botswana	859	24.0	11.4	24.0	11.1	52.2	1.2	0.1	28.4	19.0
Canada	1239	66.6	7.5	66.6	6.7	17.0	1.2	1.0	66.4	67.0
Chile	695	40.3	8.8	40.3	18.8	26.7	3.8	1.6	41.6	39.2
Chinese Taipei	823	76.9	4.3	76.9	7.6	10.5	0.4	0.2	76.6	77.1
Egypt	1122	51.8	13.8	51.8	11.0	22.0	1.0	0.5	51.8	51.7
England	681	55.9	4.6	55.9	11.7	25.6	2.1	0.2	63.0	49.2
Georgia	574	46.5	11.8	46.5	10.6	29.5	1.3	0.4	52.4	41.6
Hong Kong SAR	601	86.9	1.4	86.9	4.3	6.7	0.3	0.4	89.0	85.1
Hungary	702	57.9	6.9	57.9	10.3	23.7	1.1	0.0	59.2	56.5
Iran, Islamic Rep. of	891	41.1	18.1	41.1	14.0	25.1	1.4	0.3	40.5	41.7
Ireland	662	68.9	3.9	68.9	6.6	19.0	1.6	0.1	72.0	65.6
Israel	792	63.8	5.8	63.8	10.8	17.8	1.8	0.1	71.0	56.6
Italy	640	70.5	6.9	70.5	7.7	12.9	1.8	0.2	72.3	68.5
Japan	683	31.5	9.2	31.5	18.0	38.4	2.8	0.1	31.4	31.5
Jordan	1125	37.4	9.5	37.4	12.8	38.5	1.6	0.2	38.0	36.7
Kazakhstan	701	71.7	7.2	71.7	4.1	16.7	0.3	0.0	74.5	68.9
Korea, Rep. of	763	58.9	2.3	58.9	13.0	24.6	1.2	0.0	52.9	63.8
Kuwait	657	38.3	15.5	38.3	18.4	23.1	2.8	1.9	37.6	39.1
Lebanon	552	54.3	12.4	54.3	7.5	17.1	5.6	3.2	55.0	53.5
Lithuania	633	63.5	10.8	63.5	9.4	15.0	1.3	0.0	63.9	63.1
Malaysia	1401	66.4	4.9	66.4	10.1	17.5	0.5	0.6	70.8	62.1
Malta	549	66.7	4.6	66.7	10.9	16.3	0.6	1.0	67.9	65.5
Morocco	1866	27.4	15.9	27.4	17.3	35.9	3.3	0.3	29.7	25.5
New Zealand	1145	46.3	5.6	46.3	15.8	28.1	3.3	1.0	45.1	47.6
Norway	676	54.4	13.9	54.4	10.6	17.5	3.6	0.1	56.4	52.5
Oman	1262	43.2	9.7	43.2	10.6	35.1	1.2	0.2	46.8	39.8
Qatar	783	42.4	11.9	42.4	12.1	32.0	1.4	0.1	44.4	40.4
Russian Federation	684	74.3	4.0	74.3	5.3	15.2	0.9	0.4	76.5	72.2
Saudi Arabia	536	36.1	12.3	36.1	15.7	35.5	0.1	0.4	35.6	36.6
Singapore	875	93.2	0.9	93.2	2.6	2.8	0.5	0.0	94.9	91.6
Slovenia	615	68.3	4.5	68.3	9.3	16.7	1.2	0.0	68.6	68.0
South Africa	1794	36.2	24.9	36.2	10.5	26.6	1.3	0.5	37.7	34.5
Sweden	583	29.3	5.3	29.3	18.7	35.9	9.1	1.6	29.0	29.7
Thailand	931	29.0	16.5	29.0	15.5	36.3	2.7	0.0	29.2	28.8
Turkey	875	45.1	12.8	45.1	11.6	30.1	0.2	0.1	47.5	42.8
United Arab Emirates	2563	62.8	6.2	62.8	8.7	21.2	1.1	0.0	68.0	57.6
United States	1454	70.6	5.6	70.6	8.0	13.1	1.7	1.0	72.7	68.6
International Avg (n=39)	36157	53.9	8.9	53.9	11.1	23.8	1.8	0.5	55.6	52.3
Buenos Aires, Argentina	453	43.1	9.3	43.1	13.3	15.6	10.4	8.3	44.5	41.6
Ontario, Canada	640	60.1	7.9	60.1	8.7	21.0	0.9	1.4	59.9	60.7
Quebec, Canada	557	80.9	6.2	80.9	3.1	6.9	2.2	0.7	83.0	78.4
Norway (8)	681	29.7	5.5	29.7	20.3	36.7	7.2	0.6	29.0	30.6
Abu Dhabi, UAE	686	59.6	5.6	59.6	9.8	23.9	1.0	0.1	68.5	51.4
Dubai, UAE	880	72.4	4.8	72.4	6.8	14.9	1.1	0.0	76.2	68.3
Florida, US	296	62.4	11.8	62.4	10.7	11.7	2.7	0.7	66.4	59.2

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

M03_09 (M052066): Algebra / Applying Type: MC Key: C
Label: Formula for the new rectangle

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	52.5	19.1	15.1	52.5	10.0	2.8	0.5	53.6	51.3
Bahrain	705	50.1	17.2	18.0	50.1	12.1	2.2	0.5	54.3	46.4
Botswana	859	34.6	28.0	21.9	34.6	13.4	1.9	0.1	38.0	30.9
Canada	1240	64.2	14.0	8.9	64.2	10.5	1.4	1.0	65.3	62.8
Chile	695	29.1	37.2	20.6	29.1	7.5	3.8	1.8	30.3	28.1
Chinese Taipei	823	75.8	12.2	6.5	75.8	5.1	0.1	0.2	75.1	76.4
Egypt	1122	44.7	20.2	20.2	44.7	13.1	1.4	0.5	48.1	40.9
England	681	56.4	16.5	14.8	56.4	9.5	2.7	0.2	59.3	53.6
Georgia	574	50.8	17.7	19.0	50.8	9.7	2.3	0.4	55.9	46.7
Hong Kong SAR	601	77.8	10.9	6.6	77.8	3.8	0.6	0.4	78.6	77.0
Hungary	702	48.2	20.6	15.6	48.2	14.6	1.0	0.0	50.6	45.7
Iran, Islamic Rep. of	891	49.6	18.2	19.8	49.6	10.4	1.7	0.3	51.7	47.7
Ireland	662	57.3	14.5	12.8	57.3	13.1	2.1	0.2	57.4	57.1
Israel	792	53.2	18.2	18.0	53.2	6.9	3.6	0.1	54.7	51.8
Italy	640	47.6	21.8	18.5	47.6	9.1	2.8	0.2	48.1	47.1
Japan	683	73.9	10.0	11.4	73.9	3.4	1.1	0.1	76.9	71.2
Jordan	1125	38.9	20.9	25.6	38.9	12.1	2.3	0.3	39.9	38.0
Kazakhstan	701	70.3	10.3	9.7	70.3	9.1	0.6	0.0	75.9	64.7
Korea, Rep. of	763	76.8	9.2	8.4	76.8	5.2	0.4	0.0	76.7	76.9
Kuwait	657	41.3	17.8	22.4	41.3	12.4	4.1	2.0	43.0	39.4
Lebanon	550	46.1	15.2	18.2	46.1	10.8	6.5	3.2	47.6	44.5
Lithuania	633	58.8	18.1	13.0	58.8	8.5	1.6	0.0	65.1	53.0
Malaysia	1401	36.4	25.9	22.8	36.4	12.9	1.4	0.6	41.6	31.2
Malta	549	55.7	17.8	14.6	55.7	9.5	1.5	1.0	55.5	55.8
Morocco	1866	39.0	19.0	24.6	39.0	13.8	3.3	0.3	42.7	36.0
New Zealand	1145	49.0	20.2	19.7	49.0	7.7	2.4	1.0	49.1	48.9
Norway	676	46.6	21.5	16.9	46.6	11.1	3.8	0.1	49.6	43.7
Oman	1262	31.9	25.7	28.4	31.9	11.6	2.2	0.2	32.0	31.8
Qatar	783	45.9	25.3	17.2	45.9	9.4	1.9	0.2	47.0	44.8
Russian Federation	684	75.0	7.6	7.6	75.0	7.4	2.1	0.4	79.6	70.6
Saudi Arabia	536	25.7	20.4	37.5	25.7	15.3	0.7	0.4	25.8	25.6
Singapore	875	81.7	8.2	4.2	81.7	5.2	0.8	0.0	81.2	82.2
Slovenia	615	45.0	23.9	15.5	45.0	13.1	2.5	0.0	47.3	43.1
South Africa	1794	29.5	25.0	26.6	29.5	16.7	1.6	0.6	30.8	27.9
Sweden	583	44.0	17.5	15.3	44.0	12.5	9.0	1.7	49.6	39.7
Thailand	931	37.7	24.4	22.4	37.7	10.5	5.0	0.0	39.0	36.2
Turkey	875	47.3	19.1	20.0	47.3	13.1	0.3	0.1	49.2	45.6
United Arab Emirates	2563	49.5	17.5	20.2	49.5	11.2	1.5	0.1	50.6	48.4
United States	1454	59.6	17.6	12.4	59.6	7.5	1.9	1.0	64.8	54.4
International Avg (n=39)	36156	51.2	18.6	17.2	51.2	10.2	2.3	0.5	53.4	49.2
Buenos Aires, Argentina	452	18.8	27.4	15.9	18.8	7.0	22.6	8.4	19.4	18.4
Ontario, Canada	640	61.8	15.6	9.4	61.8	10.3	1.5	1.4	63.4	59.9
Quebec, Canada	558	69.9	10.0	7.3	69.9	10.5	1.6	0.7	70.6	69.1
Norway (8)	681	33.2	24.5	23.0	33.2	12.1	6.5	0.6	33.3	33.1
Abu Dhabi, UAE	686	42.6	19.1	24.7	42.6	12.3	1.0	0.4	46.5	39.0
Dubai, UAE	880	63.2	15.2	10.7	63.2	8.3	2.7	0.0	63.9	62.6
Florida, US	296	54.4	18.7	14.6	54.4	8.6	2.7	1.1	55.6	53.4

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

M03_10 (M052041): Geometry / Reasoning Type: CR 1 Point
Label: Height of the building

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	13.2	75.3	13.2	10.9	0.6	11.7	14.9
Bahrain	705	8.2	73.7	8.2	17.1	1.0	8.6	7.8
Botswana	859	2.7	92.7	2.7	4.3	0.3	2.6	2.8
Canada	1241	15.5	66.6	15.5	16.8	1.1	13.2	18.0
Chile	695	5.5	66.4	5.5	26.0	2.1	5.2	5.7
Chinese Taipei	823	39.9	46.6	39.9	13.2	0.2	37.4	42.3
Egypt	1122	7.6	76.7	7.6	15.3	0.5	6.7	8.7
England	681	11.7	75.4	11.7	12.7	0.2	11.4	11.9
Georgia	574	6.0	55.1	6.0	38.4	0.4	4.2	7.5
Hong Kong SAR	601	43.7	46.4	43.7	9.5	0.4	40.1	47.2
Hungary	702	16.1	67.8	16.1	16.2	0.0	16.1	16.1
Iran, Islamic Rep. of	891	5.1	64.5	5.1	29.7	0.6	3.9	6.2
Ireland	662	10.4	76.9	10.4	12.5	0.2	7.6	13.4
Israel	792	19.6	58.0	19.6	21.8	0.6	21.1	18.0
Italy	640	15.2	51.7	15.2	32.6	0.5	13.7	16.8
Japan	683	34.2	58.0	34.2	7.7	0.1	32.4	35.8
Jordan	1125	5.2	83.2	5.2	11.4	0.3	5.0	5.3
Kazakhstan	701	48.7	44.8	48.7	6.5	0.0	49.2	48.2
Korea, Rep. of	763	61.3	32.3	61.3	6.4	0.0	55.0	66.5
Kuwait	657	3.6	77.7	3.6	16.7	2.0	2.3	5.0
Lebanon	555	6.0	56.5	6.0	34.1	3.3	4.4	7.8
Lithuania	633	12.1	61.9	12.1	26.0	0.0	8.2	15.7
Malaysia	1401	11.8	73.5	11.8	13.8	0.9	11.4	12.2
Malta	549	10.1	65.3	10.1	23.6	1.0	10.2	10.0
Morocco	1868	6.5	70.7	6.5	22.4	0.4	8.5	4.9
New Zealand	1145	13.6	75.4	13.6	9.9	1.1	12.0	15.3
Norway	676	13.1	69.2	13.1	17.6	0.1	10.8	15.3
Oman	1259	4.6	84.3	4.6	10.9	0.2	5.9	3.3
Qatar	783	7.2	77.8	7.2	14.6	0.4	7.9	6.4
Russian Federation	683	34.3	42.3	34.3	23.0	0.4	30.8	37.8
Saudi Arabia	535	5.9	83.3	5.9	10.4	0.4	5.8	6.1
Singapore	875	48.7	45.2	48.7	6.0	0.1	46.3	50.8
Slovenia	615	11.3	72.0	11.3	16.7	0.0	10.8	11.6
South Africa	1794	3.5	90.3	3.5	5.4	0.8	3.5	3.5
Sweden	583	10.6	65.2	10.6	21.9	2.2	9.4	11.7
Thailand	931	4.8	84.9	4.8	10.3	0.0	3.7	6.2
Turkey	875	12.8	74.8	12.8	12.3	0.1	14.0	11.8
United Arab Emirates	2562	12.5	76.1	12.5	11.2	0.2	10.3	14.8
United States	1454	17.5	75.9	17.5	5.6	1.0	14.7	20.4
International Avg (n=39)	36158	15.9	67.5	15.9	15.9	0.6	14.8	17.0
Buenos Aires, Argentina	461	4.6	43.2	4.6	43.7	8.5	2.8	6.3
Ontario, Canada	640	12.5	71.7	12.5	14.5	1.4	10.7	14.5
Quebec, Canada	559	22.6	52.6	22.6	23.9	0.9	19.9	26.0
Norway (8)	681	9.1	73.0	9.1	17.1	0.8	8.3	10.1
Abu Dhabi, UAE	686	11.9	76.3	11.9	11.5	0.4	9.5	14.1
Dubai, UAE	879	15.0	71.9	15.0	12.8	0.3	10.6	19.8
Florida, US	296	14.0	77.0	14.0	8.0	1.1	9.8	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.

M03_11 (M052057): Geometry / Reasoning Type: MC Key: D
Label: Figure that can be folded as box

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	68.3	6.9	16.2	5.0	68.3	2.8	0.7	67.8	68.8
Bahrain	699	54.1	15.1	17.1	11.5	54.1	0.8	1.4	51.4	56.4
Botswana	859	42.4	22.2	18.8	14.8	42.4	1.4	0.4	42.4	42.5
Canada	1237	69.2	5.8	15.3	7.6	69.2	0.6	1.5	67.4	71.4
Chile	695	57.9	11.5	22.6	5.7	57.9	0.1	2.1	56.3	59.2
Chinese Taipei	823	77.1	3.1	14.2	5.3	77.1	0.1	0.2	73.9	80.2
Egypt	1122	25.4	26.6	22.0	22.8	25.4	2.6	0.7	27.9	22.7
England	681	67.1	6.7	20.2	4.9	67.1	0.8	0.2	69.6	64.8
Georgia	574	45.9	17.8	23.4	9.8	45.9	2.3	0.8	46.9	45.1
Hong Kong SAR	601	74.8	3.6	17.9	3.2	74.8	0.2	0.4	71.0	78.4
Hungary	702	62.3	10.3	19.5	7.1	62.3	0.8	0.0	61.1	63.5
Iran, Islamic Rep. of	891	56.0	17.0	15.5	9.0	56.0	1.8	0.6	57.3	54.9
Ireland	662	63.7	7.2	22.2	6.0	63.7	0.7	0.2	62.8	64.6
Israel	792	56.7	14.2	17.1	9.5	56.7	1.5	0.9	58.1	55.2
Italy	640	62.2	9.4	18.0	8.2	62.2	1.8	0.5	62.5	61.9
Japan	683	76.7	2.3	16.0	3.7	76.7	1.2	0.1	75.8	77.6
Jordan	1125	35.9	29.7	16.4	16.3	35.9	1.4	0.4	38.7	33.3
Kazakhstan	701	69.0	11.4	15.2	3.7	69.0	0.6	0.0	68.0	70.0
Korea, Rep. of	763	80.8	2.4	12.8	3.5	80.8	0.4	0.0	78.3	82.9
Kuwait	657	31.8	25.9	22.9	13.7	31.8	3.3	2.3	36.1	27.7
Lebanon	547	29.1	23.8	22.5	15.3	29.1	5.8	3.5	26.7	31.7
Lithuania	633	67.8	5.2	19.0	6.8	67.8	1.3	0.0	71.4	64.4
Malaysia	1401	64.0	10.4	18.4	5.7	64.0	0.3	1.2	61.0	66.9
Malta	549	56.9	14.8	19.5	5.8	56.9	1.9	1.1	58.5	55.5
Morocco	1868	49.6	24.1	16.7	7.3	49.6	1.6	0.7	47.4	51.4
New Zealand	1145	68.6	6.9	16.1	6.6	68.6	0.7	1.1	67.9	69.3
Norway	675	65.9	5.3	18.0	6.0	65.9	4.5	0.3	68.3	63.7
Oman	1262	39.6	25.7	18.2	14.2	39.6	2.0	0.2	45.7	33.9
Qatar	783	48.8	20.2	18.8	10.3	48.8	1.1	0.8	53.1	44.3
Russian Federation	683	68.6	8.7	14.5	5.0	68.6	2.6	0.5	67.9	69.2
Saudi Arabia	536	34.1	30.3	17.6	16.5	34.1	1.2	0.4	40.2	27.4
Singapore	875	79.6	2.7	13.5	3.5	79.6	0.6	0.1	74.1	84.4
Slovenia	615	67.5	7.0	19.1	4.6	67.5	1.7	0.0	66.3	68.5
South Africa	1794	39.0	23.4	23.0	12.7	39.0	1.0	0.8	37.9	40.2
Sweden	583	57.3	7.0	21.4	6.7	57.3	4.6	3.0	55.3	59.1
Thailand	931	56.4	17.2	21.2	4.6	56.4	0.5	0.0	52.6	60.8
Turkey	875	48.9	20.8	18.9	10.9	48.9	0.2	0.3	49.4	48.6
United Arab Emirates	2563	53.8	16.6	18.1	9.3	53.8	1.9	0.3	59.6	48.0
United States	1454	62.1	12.9	17.5	5.9	62.1	0.7	1.0	61.4	62.8
International Avg (n=39)	36144	57.3	13.6	18.3	8.4	57.3	1.5	0.7	57.4	57.2
Buenos Aires, Argentina	459	36.9	17.7	21.3	7.8	36.9	7.4	8.8	37.5	36.4
Ontario, Canada	639	68.6	7.4	15.3	6.3	68.6	0.5	2.0	65.7	72.1
Quebec, Canada	556	70.9	2.7	13.8	10.6	70.9	1.1	0.9	70.5	71.5
Norway (8)	681	60.5	10.7	20.3	4.4	60.5	3.3	0.8	63.5	57.0
Abu Dhabi, UAE	686	52.6	18.7	16.9	9.0	52.6	2.2	0.5	58.9	46.7
Dubai, UAE	880	59.2	12.4	18.3	7.8	59.2	2.0	0.3	62.4	55.8
Florida, US	296	61.4	9.6	16.4	10.6	61.4	0.8	1.1	62.7	60.4

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

M03_12 (M052417): Geometry / Applying Type: CR 1 Point
Label: Value of angle x in figure

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	31.6	58.5	31.6	9.2	0.7	30.0	33.4
Bahrain	699	20.3	66.9	20.3	11.3	1.5	22.8	18.1
Botswana	859	27.2	70.3	27.2	1.7	0.7	29.4	24.8
Canada	1241	48.8	43.0	48.8	6.8	1.5	45.4	52.7
Chile	695	22.3	52.0	22.3	23.7	2.1	19.9	24.2
Chinese Taipei	823	74.4	20.8	74.4	4.6	0.2	74.3	74.5
Egypt	1122	39.7	52.1	39.7	7.5	0.7	40.9	38.3
England	681	49.2	41.3	49.2	9.3	0.2	50.5	48.0
Georgia	574	28.7	50.3	28.7	20.3	0.8	29.1	28.3
Hong Kong SAR	601	80.3	16.1	80.3	3.2	0.4	80.4	80.3
Hungary	702	47.3	43.5	47.3	9.2	0.0	47.2	47.3
Iran, Islamic Rep. of	891	38.7	50.1	38.7	10.4	0.8	41.2	36.3
Ireland	662	47.0	46.3	47.0	6.5	0.2	44.2	50.1
Israel	792	53.2	34.4	53.2	11.5	0.9	54.1	52.2
Italy	640	36.5	46.1	36.5	17.0	0.5	37.4	35.4
Japan	683	86.3	11.8	86.3	1.8	0.1	88.4	84.3
Jordan	1125	29.6	65.3	29.6	4.7	0.4	30.0	29.2
Kazakhstan	701	62.5	31.4	62.5	6.1	0.1	64.0	61.0
Korea, Rep. of	763	87.2	10.7	87.2	2.1	0.0	88.1	86.5
Kuwait	657	23.6	65.2	23.6	8.9	2.3	21.8	25.5
Lebanon	555	50.6	35.4	50.6	10.5	3.6	47.9	53.4
Lithuania	633	40.6	47.2	40.6	12.2	0.0	39.7	41.4
Malaysia	1401	32.0	58.9	32.0	8.0	1.2	33.1	30.9
Malta	549	44.2	46.2	44.2	8.1	1.5	43.2	45.1
Morocco	1867	33.2	55.0	33.2	11.0	0.8	34.7	32.1
New Zealand	1145	34.4	56.3	34.4	8.1	1.1	34.1	34.8
Norway	675	41.4	47.3	41.4	11.0	0.3	40.5	42.2
Oman	1256	30.4	64.2	30.4	5.0	0.4	32.8	28.2
Qatar	783	30.6	62.2	30.6	6.5	0.8	29.2	32.0
Russian Federation	684	63.6	25.0	63.6	10.2	1.1	61.6	65.6
Saudi Arabia	535	13.1	76.8	13.1	9.7	0.4	13.0	13.1
Singapore	875	85.1	14.1	85.1	0.7	0.1	85.5	84.7
Slovenia	615	45.4	45.6	45.4	9.0	0.0	46.7	44.3
South Africa	1794	21.9	75.2	21.9	2.1	0.8	24.1	19.3
Sweden	582	36.5	43.9	36.5	16.5	3.2	38.7	34.8
Thailand	931	29.5	62.0	29.5	8.3	0.1	31.4	27.4
Turkey	875	37.2	56.2	37.2	6.3	0.3	38.8	35.8
United Arab Emirates	2558	34.5	59.6	34.5	5.4	0.5	34.7	34.3
United States	1454	42.3	53.1	42.3	3.5	1.2	41.1	43.4
International Avg (n=39)	36143	43.1	47.7	43.1	8.4	0.8	43.3	42.9
Buenos Aires, Argentina	461	14.9	39.7	14.9	36.7	8.7	13.8	16.0
Ontario, Canada	640	47.8	44.7	47.8	5.4	2.1	43.1	53.1
Quebec, Canada	559	57.6	33.0	57.6	8.5	0.9	56.0	59.5
Norway (8)	681	35.6	51.4	35.6	12.1	0.9	35.0	36.2
Abu Dhabi, UAE	684	30.1	63.4	30.1	5.7	0.8	32.0	28.3
Dubai, UAE	879	46.9	46.9	46.9	5.5	0.7	46.6	47.1
Florida, US	296	34.9	58.4	34.9	5.6	1.1	32.1	37.1

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.

M03_13 (M052501): Data and Chance / Reasoning Type: CR 1 Point
Label: Sports survey bar graph mistake

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	38.2	42.4	38.2	18.4	1.0	39.9	36.4
Bahrain	705	15.3	49.9	15.3	32.9	1.9	18.9	12.2
Botswana	860	4.0	73.2	4.0	21.7	1.1	5.4	2.4
Canada	1241	40.4	43.7	40.4	13.9	2.0	42.7	37.9
Chile	695	20.6	29.1	20.6	48.0	2.3	20.3	20.9
Chinese Taipei	823	40.3	44.8	40.3	14.6	0.2	43.8	37.1
Egypt	1122	8.8	51.2	8.8	38.9	1.1	9.9	7.5
England	681	52.4	34.3	52.4	12.6	0.6	60.4	44.9
Georgia	574	12.3	27.7	12.3	57.2	2.9	14.2	10.6
Hong Kong SAR	601	46.5	43.5	46.5	9.7	0.4	47.3	45.7
Hungary	702	45.7	31.0	45.7	23.2	0.0	50.4	40.9
Iran, Islamic Rep. of	891	19.3	41.3	19.3	38.5	0.9	21.3	17.4
Ireland	662	41.4	42.6	41.4	15.4	0.6	46.2	36.3
Israel	792	35.8	37.4	35.8	25.6	1.2	37.7	33.9
Italy	640	22.5	40.8	22.5	35.1	1.6	27.4	17.5
Japan	683	50.8	36.0	50.8	13.1	0.1	57.5	44.6
Jordan	1125	5.0	64.8	5.0	29.4	0.7	5.3	4.7
Kazakhstan	701	26.7	42.8	26.7	30.4	0.1	29.0	24.4
Korea, Rep. of	763	40.1	49.3	40.1	10.1	0.4	40.6	39.7
Kuwait	657	8.9	44.9	8.9	43.3	2.9	11.8	5.9
Lebanon	555	13.5	27.3	13.5	54.7	4.5	15.0	11.9
Lithuania	633	29.9	37.0	29.9	33.1	0.0	36.0	24.3
Malaysia	1401	11.0	59.8	11.0	27.4	1.7	10.8	11.1
Malta	549	22.3	46.5	22.3	29.5	1.7	23.5	21.2
Morocco	1868	7.2	37.6	7.2	54.0	1.1	9.0	5.7
New Zealand	1145	35.9	44.8	35.9	18.0	1.3	39.5	31.9
Norway	675	44.8	34.3	44.8	20.1	0.8	49.8	40.1
Oman	1258	10.1	63.3	10.1	26.1	0.6	12.8	7.5
Qatar	783	20.4	46.3	20.4	32.2	1.0	24.2	16.4
Russian Federation	684	25.6	30.8	25.6	41.8	1.7	28.5	22.9
Saudi Arabia	535	8.9	50.9	8.9	39.8	0.4	15.3	1.9
Singapore	875	64.2	29.4	64.2	6.3	0.1	67.1	61.7
Slovenia	615	42.4	33.8	42.4	23.9	0.0	50.0	36.4
South Africa	1794	7.5	71.4	7.5	20.0	1.2	8.9	5.9
Sweden	581	43.3	27.1	43.3	23.9	5.7	50.3	37.6
Thailand	931	22.0	45.6	22.0	30.8	1.5	26.1	17.3
Turkey	875	23.6	48.8	23.6	27.3	0.3	24.6	22.6
United Arab Emirates	2563	17.4	57.2	17.4	24.6	0.8	21.4	13.5
United States	1454	34.8	55.0	34.8	8.7	1.5	36.4	33.2
International Avg (n=39)	36157	27.2	44.0	27.2	27.5	1.2	30.2	24.2
Buenos Aires, Argentina	461	9.6	18.3	9.6	61.3	10.9	11.4	8.1
Ontario, Canada	640	49.0	35.0	49.0	13.5	2.5	52.8	45.1
Quebec, Canada	559	24.9	57.0	24.9	16.4	1.7	24.8	25.0
Norway (8)	681	36.8	37.9	36.8	24.0	1.3	40.6	32.3
Abu Dhabi, UAE	686	14.4	62.7	14.4	21.5	1.4	19.0	10.2
Dubai, UAE	880	26.0	52.0	26.0	20.9	1.1	29.0	22.8
Florida, US	296	24.8	59.5	24.8	13.9	1.8	25.2	24.5

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.

M03_14 (M052410): Data and Chance / Applying Type: MC Key: B
Label: Students that chose History

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	60.0	24.4	60.0	10.0	2.6	1.8	1.2	62.5	57.3
Bahrain	705	46.1	23.9	46.1	19.1	6.5	1.3	3.1	45.2	46.9
Botswana	860	31.3	33.6	31.3	21.0	10.7	2.0	1.6	31.6	30.9
Canada	1239	59.8	21.5	59.8	12.3	1.3	2.4	2.6	61.3	58.0
Chile	695	43.0	31.8	43.0	16.5	4.3	1.7	2.7	43.8	42.4
Chinese Taipei	823	70.3	12.8	70.3	13.6	2.5	0.1	0.7	68.7	71.8
Egypt	1122	31.6	19.8	31.6	27.4	17.1	2.0	2.1	26.7	37.0
England	681	66.9	17.3	66.9	11.9	1.9	1.2	0.8	70.4	63.6
Georgia	574	49.0	19.3	49.0	19.5	6.8	1.8	3.5	47.5	50.3
Hong Kong SAR	601	72.5	11.2	72.5	11.6	3.8	0.6	0.4	71.2	73.6
Hungary	702	66.3	16.3	66.3	12.1	3.8	1.5	0.0	66.6	65.9
Iran, Islamic Rep. of	891	40.1	28.4	40.1	17.1	9.9	2.4	2.1	37.2	42.8
Ireland	662	58.4	21.6	58.4	14.8	3.3	1.3	0.6	54.2	62.9
Israel	792	55.3	18.8	55.3	18.5	2.9	2.6	1.8	55.3	55.3
Italy	640	58.1	21.0	58.1	13.7	3.3	1.8	2.2	56.4	59.9
Japan	683	74.5	15.6	74.5	7.9	1.4	0.3	0.3	72.8	76.1
Jordan	1125	36.9	27.3	36.9	20.6	11.6	2.4	1.1	35.6	38.2
Kazakhstan	701	58.9	15.6	58.9	19.0	5.2	0.9	0.4	56.2	61.7
Korea, Rep. of	763	71.6	11.3	71.6	15.1	1.4	0.2	0.5	69.9	73.0
Kuwait	657	41.4	28.3	41.4	17.0	7.3	2.4	3.5	38.5	44.2
Lebanon	546	40.3	20.8	40.3	17.3	8.3	5.9	7.4	40.6	39.8
Lithuania	633	63.2	18.4	63.2	14.4	2.6	1.2	0.3	63.8	62.7
Malaysia	1401	42.6	29.8	42.6	19.0	4.7	1.5	2.3	37.8	47.4
Malta	549	54.4	23.1	54.4	13.7	4.9	1.8	2.1	53.0	55.7
Morocco	1868	38.3	25.7	38.3	19.5	12.9	2.2	1.4	35.5	40.5
New Zealand	1145	57.6	23.2	57.6	13.0	2.7	1.4	2.1	56.5	58.9
Norway	675	62.9	18.1	62.9	13.7	2.3	2.2	0.8	64.6	61.3
Oman	1261	34.0	27.0	34.0	26.7	9.6	1.5	1.2	37.8	30.4
Qatar	783	47.2	24.4	47.2	18.1	6.5	2.0	1.8	45.0	49.5
Russian Federation	683	62.6	14.9	62.6	11.4	3.7	3.6	3.8	58.2	66.8
Saudi Arabia	536	33.4	29.0	33.4	24.0	11.3	1.6	0.6	32.4	34.5
Singapore	875	70.7	11.3	70.7	15.3	1.8	0.5	0.3	66.4	74.5
Slovenia	615	60.5	19.1	60.5	15.9	2.8	1.7	0.0	56.9	63.4
South Africa	1794	35.1	34.7	35.1	14.8	12.5	0.9	1.9	33.0	37.4
Sweden	583	53.7	22.3	53.7	10.6	2.1	4.7	6.6	50.9	56.0
Thailand	931	47.2	20.7	47.2	22.0	5.8	2.3	1.8	48.5	45.8
Turkey	875	40.1	29.7	40.1	21.6	6.9	1.0	0.6	40.2	40.1
United Arab Emirates	2563	44.4	25.2	44.4	19.3	7.1	2.5	1.4	44.7	44.2
United States	1454	52.2	28.5	52.2	13.0	2.8	1.5	2.0	50.4	54.0
International Avg (n=39)	36151	52.1	22.2	52.1	16.5	5.6	1.8	1.8	51.0	53.2
Buenos Aires, Argentina	457	44.6	23.2	44.6	11.5	3.9	5.4	11.3	45.4	44.0
Ontario, Canada	639	59.2	23.7	59.2	10.6	1.1	2.2	3.2	60.0	58.1
Quebec, Canada	558	60.3	16.1	60.3	15.9	2.1	3.4	2.3	62.4	57.8
Norway (8)	681	58.3	21.0	58.3	16.6	1.6	1.1	1.4	62.4	53.4
Abu Dhabi, UAE	686	42.3	27.4	42.3	19.1	7.9	2.0	1.5	40.7	43.7
Dubai, UAE	880	48.8	24.0	48.8	17.6	6.1	1.7	1.7	47.7	50.0
Florida, US	296	45.1	31.4	45.1	17.0	2.8	1.2	2.5	38.3	50.6

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

M03_15 (M052170): Data and Chance / Applying Type: MC Key: B
Label: List with specified mean and range

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1465	42.9	13.4	42.9	23.2	16.0	3.1	1.4	39.7	46.3
Bahrain	705	44.4	11.8	44.4	25.1	13.0	2.4	3.4	45.6	43.3
Botswana	860	27.6	13.9	27.6	31.3	22.4	2.8	2.0	27.9	27.2
Canada	1228	44.9	11.8	44.9	23.4	13.9	2.9	3.1	44.3	45.7
Chile	695	23.5	10.5	23.5	38.6	20.6	3.9	2.9	24.1	23.0
Chinese Taipei	823	52.6	9.8	52.6	21.5	14.9	0.5	0.7	51.0	54.2
Egypt	1122	33.3	13.4	33.3	29.6	18.9	2.7	2.1	36.8	29.5
England	681	50.8	10.7	50.8	22.2	11.8	3.7	0.9	52.7	49.0
Georgia	574	38.8	10.6	38.8	28.3	15.8	3.1	3.5	39.5	38.1
Hong Kong SAR	601	55.8	12.5	55.8	19.6	10.3	1.2	0.5	58.8	53.0
Hungary	702	41.3	12.5	41.3	26.9	16.8	2.5	0.0	39.6	42.9
Iran, Islamic Rep. of	891	35.3	12.3	35.3	26.8	18.5	4.4	2.6	35.7	34.8
Ireland	662	43.0	9.9	43.0	22.4	19.8	4.0	0.9	43.6	42.3
Israel	792	47.3	9.7	47.3	24.4	11.0	5.5	2.1	49.9	44.7
Italy	640	35.3	9.6	35.3	27.0	22.2	3.4	2.6	32.2	38.6
Japan	683	62.5	9.5	62.5	15.5	10.7	1.6	0.3	62.8	62.2
Jordan	1125	37.3	10.3	37.3	20.6	28.2	2.3	1.3	38.4	36.2
Kazakhstan	701	44.9	14.0	44.9	22.5	16.1	1.9	0.6	43.4	46.4
Korea, Rep. of	763	58.3	9.3	58.3	17.6	13.1	1.2	0.5	54.9	61.2
Kuwait	657	34.5	13.6	34.5	26.3	19.3	2.9	3.5	35.3	33.8
Lebanon	499	20.0	13.7	20.0	22.4	18.6	17.0	8.3	19.9	20.1
Lithuania	633	40.2	11.6	40.2	23.4	20.8	3.4	0.7	42.7	37.9
Malaysia	1401	32.5	9.8	32.5	30.1	22.3	2.5	2.8	31.1	33.8
Malta	549	39.6	10.4	39.6	26.0	18.5	3.3	2.3	45.1	34.4
Morocco	1868	33.7	12.7	33.7	23.5	23.9	4.8	1.4	34.1	33.4
New Zealand	1145	42.2	12.8	42.2	23.9	15.6	3.2	2.3	43.4	40.9
Norway	675	50.8	11.2	50.8	20.2	10.3	6.2	1.3	53.0	48.8
Oman	1261	34.5	12.6	34.5	28.9	21.4	1.3	1.3	33.6	35.4
Qatar	783	37.4	13.1	37.4	23.0	21.0	3.5	2.1	36.6	38.1
Russian Federation	683	42.1	16.6	42.1	16.4	15.5	4.4	5.0	41.9	42.4
Saudi Arabia	536	31.1	15.4	31.1	29.6	22.2	1.1	0.6	34.7	27.1
Singapore	875	59.1	8.1	59.1	20.9	10.9	0.4	0.5	58.3	59.8
Slovenia	615	38.5	12.8	38.5	22.5	21.9	4.1	0.2	39.9	37.5
South Africa	1794	25.1	9.7	25.1	32.2	27.8	3.2	2.0	23.8	26.7
Sweden	583	36.5	9.1	36.5	25.2	14.3	7.7	7.3	35.8	36.7
Thailand	931	29.3	17.3	29.3	20.8	29.5	1.3	1.8	29.3	29.2
Turkey	875	40.2	15.0	40.2	26.2	16.4	1.1	1.1	38.5	41.7
United Arab Emirates	2563	39.3	13.7	39.3	25.2	18.0	2.4	1.5	39.1	39.5
United States	1454	50.5	12.4	50.5	19.6	13.5	1.5	2.5	48.1	52.8
International Avg (n=39)	36093	40.4	12.0	40.4	24.4	17.8	3.3	2.0	40.6	40.2
Buenos Aires, Argentina	451	17.5	7.8	17.5	22.4	20.0	19.7	12.6	19.0	16.0
Ontario, Canada	639	48.7	9.2	48.7	21.6	14.2	2.7	3.7	45.8	52.1
Quebec, Canada	547	42.6	14.8	42.6	24.4	11.4	4.1	2.8	43.8	41.1
Norway (8)	681	44.5	11.4	44.5	24.0	12.4	6.1	1.6	47.7	40.8
Abu Dhabi, UAE	686	39.2	15.4	39.2	24.8	16.7	2.4	1.5	40.3	38.2
Dubai, UAE	880	43.5	9.6	43.5	23.1	19.1	2.9	1.9	40.1	47.1
Florida, US	296	42.0	11.3	42.0	24.3	18.1	1.8	2.5	39.7	43.8

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

M04_01 (M062329): Number / Knowing Type: MC Key: B
Label: Two million, fifty thousand, three hundred seven

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	82.7	6.3	82.7	1.9	8.2	0.7	0.3	79.4	86.4
Bahrain	705	60.5	16.7	60.5	5.5	17.0	0.2	0.1	53.8	66.3
Botswana	852	54.6	20.3	54.6	3.6	20.8	0.5	0.0	54.3	55.0
Canada	1253	86.2	4.3	86.2	1.5	7.4	0.3	0.2	82.9	90.0
Chile	685	91.8	2.8	91.8	1.9	3.0	0.2	0.2	90.5	93.0
Chinese Taipei	809	94.9	0.7	94.9	1.5	2.9	0.1	0.0	94.5	95.3
Egypt	1096	39.3	25.9	39.3	13.0	21.1	0.7	0.0	35.8	43.3
England	686	81.8	6.1	81.8	3.0	8.9	0.2	0.0	77.1	86.3
Georgia	573	83.6	5.8	83.6	1.6	8.3	0.4	0.3	79.1	87.5
Hong Kong SAR	587	90.9	2.0	90.9	2.4	4.4	0.2	0.0	90.3	91.4
Hungary	705	90.0	2.8	90.0	1.6	5.6	0.0	0.0	87.4	92.6
Iran, Islamic Rep. of	883	69.7	12.3	69.7	3.6	13.4	0.6	0.3	71.6	67.8
Ireland	676	89.2	3.1	89.2	1.3	5.9	0.4	0.1	84.9	94.0
Israel	785	85.8	4.3	85.8	2.1	6.3	0.9	0.5	83.1	88.3
Italy	623	84.1	2.9	84.1	2.1	10.3	0.6	0.1	80.0	88.9
Japan	683	83.0	3.0	83.0	4.6	9.2	0.0	0.2	84.8	81.1
Jordan	1122	45.0	23.3	45.0	6.2	23.5	1.9	0.0	38.8	51.1
Kazakhstan	698	84.1	3.2	84.1	3.2	9.3	0.2	0.0	85.2	82.9
Korea, Rep. of	762	86.3	2.2	86.3	4.5	6.4	0.6	0.0	86.0	86.6
Kuwait	594	61.9	15.7	61.9	4.3	17.3	0.7	0.1	55.9	68.0
Lebanon	558	65.8	8.8	65.8	2.9	19.2	3.1	0.2	68.0	63.2
Lithuania	630	81.9	3.5	81.9	1.9	12.7	0.0	0.0	80.9	82.8
Malaysia	1398	78.3	6.3	78.3	3.7	11.6	0.2	0.0	76.7	79.6
Malta	548	82.2	5.1	82.2	2.6	9.8	0.0	0.3	80.1	84.1
Morocco	1856	48.5	25.0	48.5	2.9	21.8	1.7	0.1	48.9	48.3
New Zealand	1144	83.5	3.9	83.5	2.5	7.8	1.5	0.8	81.5	85.7
Norway	669	88.3	1.9	88.3	4.7	4.6	0.5	0.1	87.2	89.5
Oman	1245	34.7	33.3	34.7	10.8	20.3	1.0	0.0	30.9	38.3
Qatar	778	46.4	21.9	46.4	8.2	22.4	0.9	0.2	37.1	56.2
Russian Federation	683	93.3	0.8	93.3	1.1	4.6	0.1	0.1	94.9	91.7
Saudi Arabia	523	31.4	33.0	31.4	10.2	24.2	1.1	0.0	25.0	38.4
Singapore	869	91.4	1.1	91.4	1.6	5.5	0.3	0.1	90.7	92.0
Slovenia	605	68.6	16.1	68.6	2.0	13.1	0.3	0.0	63.5	72.9
South Africa	1780	50.7	23.6	50.7	7.3	17.7	0.8	0.0	48.4	53.2
Sweden	591	84.5	2.3	84.5	2.5	9.3	1.3	0.1	82.4	86.1
Thailand	939	82.9	1.9	82.9	4.2	10.2	0.7	0.0	83.2	82.6
Turkey	879	80.1	2.3	80.1	5.0	12.5	0.2	0.0	81.7	78.6
United Arab Emirates	2558	59.9	16.9	59.9	4.8	16.5	1.8	0.1	56.1	63.7
United States	1464	90.6	1.6	90.6	0.9	6.0	0.7	0.1	89.7	91.6
International Avg (n=39)	35938	74.1	9.6	74.1	3.8	11.8	0.7	0.1	71.9	76.3
Buenos Aires, Argentina	473	86.6	2.7	86.6	2.2	5.1	2.9	0.5	84.8	88.5
Ontario, Canada	646	87.1	4.2	87.1	1.7	6.2	0.5	0.3	84.3	90.3
Quebec, Canada	567	86.3	2.4	86.3	1.2	9.9	0.0	0.1	82.8	90.4
Norway (8)	683	82.6	3.5	82.6	2.9	9.7	1.4	0.0	78.6	87.0
Abu Dhabi, UAE	678	50.5	21.1	50.5	5.0	21.5	1.9	0.0	45.9	54.7
Dubai, UAE	883	79.4	7.9	79.4	2.3	9.6	0.8	0.0	76.3	82.6
Florida, US	298	84.0	2.7	84.0	0.7	11.7	0.4	0.6	78.9	88.9

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

M04_02 (M062151): Number / Reasoning Type: CR 1 Point
Label: Number of cups of water to fill 3 pitchers

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	36.4	5.5	52.2	36.4	5.6	0.3	32.9	40.4
Bahrain	705	9.8	4.8	79.3	9.8	6.0	0.1	9.5	10.1
Botswana	852	1.8	1.8	93.2	1.8	3.3	0.0	1.7	1.8
Canada	1255	36.1	8.1	51.6	36.1	4.0	0.2	33.7	38.8
Chile	685	15.6	3.6	63.1	15.6	17.5	0.2	10.7	20.2
Chinese Taipei	809	55.6	2.5	40.2	55.6	1.7	0.0	48.4	62.2
Egypt	1096	8.7	1.4	78.7	8.7	11.2	0.0	7.6	10.0
England	686	38.4	4.8	50.5	38.4	6.2	0.0	38.2	38.7
Georgia	573	24.2	0.0	64.2	24.2	11.3	0.3	23.3	24.9
Hong Kong SAR	587	53.1	3.3	42.0	53.1	1.6	0.0	46.1	59.2
Hungary	705	26.6	3.9	61.7	26.6	7.7	0.0	19.2	34.2
Iran, Islamic Rep. of	883	22.5	3.9	65.1	22.5	8.2	0.3	18.5	26.1
Ireland	676	47.5	7.2	41.4	47.5	3.8	0.1	43.6	51.8
Israel	785	40.2	5.8	47.6	40.2	5.9	0.5	35.6	44.3
Italy	623	33.5	8.0	45.9	33.5	12.5	0.1	22.9	46.0
Japan	683	48.9	3.7	45.0	48.9	2.2	0.2	50.4	47.3
Jordan	1122	7.2	4.4	81.5	7.2	6.5	0.4	7.8	6.5
Kazakhstan	697	32.6	2.5	59.4	32.6	5.6	0.0	33.2	32.0
Korea, Rep. of	762	68.5	0.0	30.3	68.5	1.2	0.0	62.2	74.4
Kuwait	594	8.7	2.1	78.9	8.7	10.2	0.1	5.0	12.4
Lebanon	558	12.5	3.4	67.0	12.5	16.8	0.2	14.5	10.3
Lithuania	630	29.1	4.1	59.1	29.1	7.7	0.0	26.7	31.2
Malaysia	1398	16.5	3.2	72.8	16.5	7.5	0.0	13.7	19.1
Malta	548	24.5	4.9	63.7	24.5	6.6	0.3	22.6	26.4
Morocco	1855	4.5	3.4	77.2	4.5	14.7	0.2	4.7	4.4
New Zealand	1144	33.6	7.2	53.1	33.6	5.3	0.8	31.0	36.4
Norway	669	47.7	7.5	39.3	47.7	5.4	0.1	47.0	48.5
Oman	1245	5.2	3.8	81.3	5.2	9.7	0.0	5.5	4.8
Qatar	778	10.5	3.0	78.6	10.5	7.8	0.2	7.8	13.4
Russian Federation	683	40.6	7.4	40.8	40.6	11.1	0.1	36.6	44.6
Saudi Arabia	523	4.0	0.0	89.0	4.0	6.9	0.0	2.1	6.1
Singapore	869	65.2	6.4	27.9	65.2	0.4	0.1	67.0	63.7
Slovenia	604	41.1	5.5	46.6	41.1	6.8	0.0	37.7	43.9
South Africa	1780	1.9	3.8	91.2	1.9	3.2	0.0	1.6	2.1
Sweden	590	41.9	8.7	43.7	41.9	5.3	0.4	38.5	45.1
Thailand	939	15.1	6.0	70.6	15.1	8.4	0.0	14.4	15.8
Turkey	879	24.9	4.0	63.9	24.9	7.1	0.0	23.0	26.7
United Arab Emirates	2558	14.2	4.3	76.3	14.2	5.2	0.1	12.9	15.4
United States	1464	31.5	6.4	59.7	31.5	2.3	0.1	25.8	37.0
International Avg (n=39)	35936	27.7	4.4	60.9	27.7	6.9	0.1	25.2	30.2
Buenos Aires, Argentina	473	17.3	3.8	54.0	17.3	24.5	0.5	14.3	20.3
Ontario, Canada	646	36.0	8.4	51.3	36.0	4.0	0.3	34.7	37.6
Quebec, Canada	569	40.2	8.2	46.4	40.2	5.0	0.1	35.4	46.0
Norway (8)	683	37.8	12.2	43.4	37.8	6.7	0.0	34.8	40.9
Abu Dhabi, UAE	678	11.7	4.5	78.8	11.7	5.1	0.0	10.9	12.4
Dubai, UAE	883	22.1	4.9	68.6	22.1	4.4	0.0	19.0	25.4
Florida, US	298	23.2	4.4	69.0	23.2	2.7	0.6	13.7	32.4

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.

M04_03 (M062346): Number / Applying Type: CR 1 Point
Label: Explain which brand has cheaper price per battery

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	26.2	3.3	68.6	26.2	1.3	0.6	28.4	23.5
Bahrain	705	17.1	4.3	76.4	17.1	2.1	0.1	23.6	11.4
Botswana	852	5.9	1.0	89.9	5.9	3.1	0.1	7.1	4.5
Canada	1255	49.7	2.7	44.7	49.7	2.6	0.3	53.0	46.4
Chile	685	9.4	1.3	81.1	9.4	7.5	0.8	8.0	10.7
Chinese Taipei	809	60.6	0.9	38.0	60.6	0.5	0.0	57.5	63.4
Egypt	1096	4.7	1.6	89.7	4.7	4.0	0.1	5.3	3.9
England	686	42.8	2.7	53.1	42.8	1.3	0.2	52.2	33.9
Georgia	573	14.5	0.6	81.3	14.5	3.3	0.4	16.7	12.6
Hong Kong SAR	587	64.4	1.3	33.7	64.4	0.6	0.0	70.2	59.2
Hungary	705	36.8	4.7	58.2	36.8	0.4	0.0	36.3	37.2
Iran, Islamic Rep. of	883	16.2	1.2	79.6	16.2	2.5	0.5	14.4	17.8
Ireland	676	43.4	1.9	53.4	43.4	1.1	0.3	48.3	37.9
Israel	785	42.1	1.8	54.0	42.1	1.2	0.8	46.7	38.0
Italy	623	33.2	5.3	58.7	33.2	2.7	0.1	32.8	33.8
Japan	683	48.2	2.6	48.7	48.2	0.4	0.2	50.5	45.8
Jordan	1122	8.2	0.7	89.4	8.2	1.4	0.4	7.5	8.8
Kazakhstan	698	33.6	5.5	58.7	33.6	2.1	0.0	31.5	35.7
Korea, Rep. of	762	51.7	8.1	39.6	51.7	0.6	0.0	51.4	52.0
Kuwait	594	6.9	3.3	87.5	6.9	2.2	0.1	6.4	7.4
Lebanon	558	12.9	18.8	60.4	12.9	7.7	0.2	12.0	13.9
Lithuania	630	35.2	3.8	60.0	35.2	1.0	0.0	40.3	30.6
Malaysia	1398	30.5	4.9	61.2	30.5	3.4	0.0	33.2	28.2
Malta	548	39.9	3.4	55.7	39.9	0.7	0.3	43.2	36.7
Morocco	1859	6.1	0.1	89.7	6.1	3.8	0.2	6.6	5.7
New Zealand	1144	31.1	2.6	64.3	31.1	1.3	0.8	35.7	26.2
Norway	669	47.0	3.3	48.3	47.0	0.9	0.5	54.5	38.9
Oman	1245	13.9	5.3	77.9	13.9	2.9	0.1	16.7	11.1
Qatar	778	17.7	2.0	77.8	17.7	2.4	0.2	16.6	18.7
Russian Federation	683	35.2	2.9	59.5	35.2	2.3	0.1	36.8	33.6
Saudi Arabia	523	9.4	2.5	85.0	9.4	3.1	0.0	9.2	9.6
Singapore	869	62.7	0.3	36.7	62.7	0.2	0.1	69.0	57.4
Slovenia	604	36.3	2.3	58.6	36.3	2.8	0.0	39.8	33.3
South Africa	1780	5.4	0.8	92.2	5.4	1.4	0.2	6.6	4.0
Sweden	590	39.3	1.9	56.8	39.3	1.6	0.4	39.1	39.7
Thailand	939	16.2	3.3	75.1	16.2	5.4	0.0	20.5	11.3
Turkey	879	29.3	3.0	67.1	29.3	0.6	0.0	33.1	25.9
United Arab Emirates	2558	24.5	3.2	70.8	24.5	1.3	0.1	26.1	22.9
United States	1464	43.6	2.5	52.4	43.6	1.3	0.2	46.8	40.6
International Avg (n=39)	35941	29.5	3.1	65.0	29.5	2.2	0.2	31.6	27.5
Buenos Aires, Argentina	474	12.9	1.6	72.7	12.9	11.2	1.6	14.5	11.3
Ontario, Canada	646	49.4	3.3	44.1	49.4	2.7	0.4	52.6	46.5
Quebec, Canada	569	55.2	1.9	40.4	55.2	2.4	0.1	61.4	47.9
Norway (8)	683	39.0	4.3	54.0	39.0	2.3	0.4	44.7	32.7
Abu Dhabi, UAE	678	19.8	2.6	76.0	19.8	1.5	0.0	24.9	15.3
Dubai, UAE	883	40.1	5.4	53.6	40.1	0.9	0.0	38.8	41.4
Florida, US	298	35.0	4.4	59.8	35.0	0.2	0.6	29.2	40.7

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.

M04_04 (M062212): Number / Applying Type: MC Key: B
Label: Four containers partially filled with water

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	36.9	23.6	36.9	6.2	31.6	1.0	0.6	34.4	39.8
Bahrain	705	35.8	37.1	35.8	8.6	16.8	1.6	0.1	31.0	40.1
Botswana	846	12.6	63.5	12.6	6.6	16.3	0.9	0.1	13.2	11.9
Canada	1253	40.4	20.6	40.4	7.7	28.3	2.8	0.3	35.7	45.6
Chile	685	15.6	35.0	15.6	7.5	39.7	1.4	0.8	12.2	18.8
Chinese Taipei	809	45.4	29.0	45.4	8.9	16.4	0.2	0.0	39.6	50.8
Egypt	1096	18.6	54.0	18.6	12.9	12.2	2.2	0.1	18.1	19.2
England	686	36.7	21.0	36.7	5.4	34.4	2.2	0.2	39.6	34.0
Georgia	573	16.9	35.3	16.9	13.3	31.6	2.5	0.4	11.0	22.0
Hong Kong SAR	587	55.2	20.0	55.2	9.4	15.2	0.2	0.0	55.8	54.6
Hungary	706	28.8	17.1	28.8	7.5	45.9	0.7	0.0	20.2	37.5
Iran, Islamic Rep. of	883	18.4	59.1	18.4	5.2	14.3	2.5	0.5	15.4	21.2
Ireland	676	40.6	22.7	40.6	6.7	28.3	1.4	0.3	35.4	46.3
Israel	785	30.3	35.9	30.3	6.8	23.1	3.1	0.9	24.8	35.3
Italy	623	22.8	33.2	22.8	7.7	33.0	3.2	0.1	19.7	26.5
Japan	683	46.9	20.8	46.9	7.1	24.9	0.1	0.2	47.1	46.8
Jordan	1122	13.6	64.2	13.6	8.4	11.3	2.2	0.4	14.3	13.0
Kazakhstan	698	32.7	33.5	32.7	2.4	30.1	1.2	0.0	31.7	33.7
Korea, Rep. of	762	52.6	18.8	52.6	7.1	21.5	0.0	0.0	47.0	57.7
Kuwait	594	21.5	56.2	21.5	6.4	12.9	2.8	0.2	17.8	25.3
Lebanon	555	13.1	61.2	13.1	10.2	11.5	3.8	0.2	14.3	11.9
Lithuania	630	24.1	41.9	24.1	6.0	27.1	0.9	0.0	23.5	24.7
Malaysia	1398	18.3	54.0	18.3	12.4	13.4	1.7	0.3	14.9	21.4
Malta	548	27.5	41.0	27.5	7.2	23.2	0.9	0.3	22.3	32.6
Morocco	1855	9.9	72.9	9.9	6.7	8.3	2.0	0.2	10.1	9.7
New Zealand	1144	33.9	26.8	33.9	4.7	32.8	1.1	0.8	31.0	36.9
Norway	669	38.8	21.5	38.8	3.2	33.3	2.6	0.6	32.5	45.5
Oman	1245	14.3	59.5	14.3	11.9	12.1	2.1	0.1	13.9	14.7
Qatar	778	20.4	52.5	20.4	11.1	14.3	1.5	0.2	18.4	22.5
Russian Federation	683	29.6	22.1	29.6	4.4	42.7	1.1	0.1	28.0	31.2
Saudi Arabia	523	16.8	61.0	16.8	7.9	12.7	1.6	0.0	16.6	17.1
Singapore	869	58.9	18.6	58.9	12.6	9.1	0.8	0.1	54.8	62.3
Slovenia	605	33.6	20.6	33.6	4.4	40.1	1.2	0.1	32.0	34.9
South Africa	1780	11.2	63.6	11.2	5.5	18.6	0.8	0.3	10.4	12.1
Sweden	590	35.3	19.1	35.3	5.0	37.0	3.1	0.4	27.5	42.3
Thailand	939	16.7	55.0	16.7	10.6	15.8	1.9	0.0	16.4	17.2
Turkey	879	16.9	44.9	16.9	8.7	29.0	0.5	0.0	16.8	17.0
United Arab Emirates	2558	20.7	47.0	20.7	10.7	19.8	1.6	0.2	18.6	22.7
United States	1464	32.4	29.9	32.4	9.8	25.7	1.9	0.4	30.1	34.5
International Avg (n=39)	35928	28.1	38.8	28.1	7.8	23.4	1.6	0.2	25.5	30.5
Buenos Aires, Argentina	471	20.2	32.3	20.2	6.3	31.9	7.9	1.3	18.6	22.0
Ontario, Canada	646	37.2	22.1	37.2	7.1	30.2	3.0	0.4	32.9	41.7
Quebec, Canada	567	45.7	16.9	45.7	10.4	23.9	3.0	0.1	40.7	51.7
Norway (8)	683	34.1	24.5	34.1	6.0	32.3	2.6	0.4	30.6	37.9
Abu Dhabi, UAE	678	19.8	51.3	19.8	8.5	18.6	1.5	0.2	19.3	20.4
Dubai, UAE	883	28.4	34.0	28.4	12.6	22.8	2.1	0.0	24.9	32.1
Florida, US	298	27.7	32.6	27.7	12.2	26.0	1.0	0.6	16.4	38.6

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

M04_05 (M062056): Algebra / Knowing Type: CR 1 Point
Label: Write the expression with x and y in simplest form

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	4.3	10.0	72.4	4.3	12.7	0.6	2.8	6.1
Bahrain	705	5.6	6.1	75.7	5.6	12.5	0.1	5.0	6.1
Botswana	846	0.3	3.3	93.3	0.3	3.0	0.1	0.4	0.2
Canada	1255	11.5	8.9	62.1	11.5	16.5	0.9	11.5	11.6
Chile	685	4.5	8.5	55.8	4.5	29.8	1.3	3.9	4.9
Chinese Taipei	809	59.3	8.2	26.7	59.3	5.8	0.0	58.7	59.9
Egypt	1096	5.2	2.7	77.1	5.2	14.7	0.3	4.2	6.4
England	686	9.0	15.4	59.5	9.0	16.0	0.2	10.3	7.7
Georgia	573	12.7	4.4	49.1	12.7	33.3	0.5	12.5	12.8
Hong Kong SAR	587	45.8	12.5	36.4	45.8	5.4	0.0	48.1	43.7
Hungary	706	24.6	14.8	47.3	24.6	13.3	0.0	26.7	22.5
Iran, Islamic Rep. of	883	11.0	4.7	61.9	11.0	21.3	1.1	11.2	10.8
Ireland	676	8.2	18.9	61.1	8.2	11.3	0.6	6.8	9.8
Israel	785	20.5	11.0	47.0	20.5	20.3	1.3	18.0	22.7
Italy	623	12.4	3.5	64.5	12.4	19.1	0.6	14.2	10.3
Japan	683	64.3	8.7	23.6	64.3	3.2	0.2	67.2	61.4
Jordan	1122	7.4	6.4	73.5	7.4	12.2	0.5	7.5	7.3
Kazakhstan	698	46.6	7.8	33.8	46.6	11.7	0.0	52.4	41.1
Korea, Rep. of	762	56.6	8.1	30.6	56.6	4.6	0.0	55.3	57.8
Kuwait	594	5.8	4.5	70.8	5.8	18.3	0.5	3.6	8.1
Lebanon	558	30.4	6.1	43.0	30.4	19.9	0.5	30.4	30.4
Lithuania	630	13.2	10.3	59.7	13.2	16.7	0.0	14.4	12.2
Malaysia	1398	6.3	8.9	72.8	6.3	11.7	0.4	7.4	5.3
Malta	548	11.9	22.4	51.6	11.9	13.8	0.3	11.6	12.1
Morocco	1854	7.0	2.5	68.2	7.0	22.0	0.3	8.8	5.5
New Zealand	1144	5.3	10.6	69.8	5.3	13.5	0.8	4.2	6.4
Norway	669	17.3	9.7	51.0	17.3	21.0	1.0	19.7	14.8
Oman	1245	5.6	6.0	80.9	5.6	7.4	0.1	4.7	6.5
Qatar	778	9.0	9.6	70.3	9.0	10.8	0.3	8.4	9.6
Russian Federation	683	44.7	6.3	33.4	44.7	15.4	0.3	44.9	44.4
Saudi Arabia	523	0.6	1.0	81.7	0.6	16.4	0.3	0.7	0.4
Singapore	869	59.7	11.5	26.6	59.7	2.1	0.1	64.5	55.8
Slovenia	604	26.6	14.5	47.5	26.6	11.2	0.2	28.3	25.2
South Africa	1780	2.7	3.8	88.6	2.7	4.5	0.3	2.6	2.9
Sweden	589	18.7	8.9	53.9	18.7	17.7	0.8	19.6	18.2
Thailand	939	6.0	3.6	71.9	6.0	18.3	0.1	7.5	4.3
Turkey	879	8.9	5.7	66.8	8.9	18.6	0.0	10.2	7.7
United Arab Emirates	2557	11.8	8.1	69.2	11.8	10.7	0.2	12.1	11.5
United States	1464	17.5	13.7	63.7	17.5	4.5	0.6	16.7	18.3
International Avg (n=39)	35929	18.4	8.5	58.8	18.4	13.9	0.4	18.9	18.0
Buenos Aires, Argentina	474	1.4	2.0	39.4	1.4	55.2	2.1	1.1	1.7
Ontario, Canada	646	3.8	4.5	65.3	3.8	25.0	1.4	3.4	4.3
Quebec, Canada	569	27.9	18.9	50.3	27.9	2.7	0.3	28.2	27.6
Norway (8)	683	6.1	5.9	58.1	6.1	29.0	0.8	5.2	7.1
Abu Dhabi, UAE	678	7.1	7.2	75.1	7.1	10.4	0.2	6.7	7.4
Dubai, UAE	883	21.2	10.2	59.6	21.2	9.0	0.0	22.5	19.8
Florida, US	298	13.6	7.4	69.7	13.6	8.0	1.3	8.7	18.3

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.

M04_06 (M062317): Algebra / Knowing Type: CR 1 Point
Label: Points on a parabola graph - fill in table

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	29.4	58.9	29.4	10.8	0.9	27.2	31.9
Bahrain	705	17.8	73.1	17.8	8.6	0.5	20.4	15.6
Botswana	846	5.5	89.8	5.5	4.6	0.1	5.5	5.5
Canada	1255	22.8	64.2	22.8	12.0	1.0	18.7	27.5
Chile	685	6.5	67.6	6.5	24.1	1.8	4.7	8.2
Chinese Taipei	809	56.8	37.9	56.8	5.4	0.0	57.9	55.7
Egypt	1096	5.0	82.2	5.0	12.2	0.5	4.8	5.3
England	686	32.9	55.8	32.9	11.1	0.2	36.6	29.5
Georgia	573	11.8	68.4	11.8	18.9	0.9	10.2	13.3
Hong Kong SAR	587	58.2	38.4	58.2	3.3	0.0	57.0	59.3
Hungary	706	38.7	51.6	38.7	9.6	0.1	37.5	40.0
Iran, Islamic Rep. of	883	3.7	74.3	3.7	20.7	1.3	2.0	5.2
Ireland	676	15.8	70.3	15.8	13.3	0.6	12.8	19.2
Israel	785	36.0	49.4	36.0	13.0	1.7	39.5	32.9
Italy	623	17.5	61.9	17.5	19.8	0.9	16.0	19.2
Japan	683	63.4	32.8	63.4	3.6	0.2	67.9	59.0
Jordan	1122	12.6	79.4	12.6	7.3	0.7	13.9	11.4
Kazakhstan	698	49.5	47.3	49.5	3.0	0.2	52.8	46.4
Korea, Rep. of	762	49.2	44.3	49.2	6.4	0.0	45.5	52.6
Kuwait	594	6.3	78.1	6.3	14.7	0.9	3.8	8.9
Lebanon	558	18.6	66.1	18.6	14.8	0.5	20.2	16.8
Lithuania	630	22.7	64.3	22.7	13.0	0.0	22.8	22.5
Malaysia	1398	14.0	74.0	14.0	11.5	0.5	13.6	14.3
Malta	548	35.1	56.0	35.1	8.6	0.3	34.9	35.4
Morocco	1860	2.9	83.0	2.9	13.5	0.5	2.9	2.9
New Zealand	1144	22.6	64.9	22.6	11.7	0.8	20.4	25.0
Norway	669	12.4	64.2	12.4	22.4	1.0	8.9	16.3
Oman	1244	11.7	80.5	11.7	7.6	0.1	13.1	10.3
Qatar	778	17.5	73.0	17.5	9.1	0.5	18.4	16.6
Russian Federation	683	54.2	38.5	54.2	6.8	0.6	61.5	46.8
Saudi Arabia	523	6.7	79.6	6.7	13.0	0.7	7.7	5.5
Singapore	869	66.6	31.4	66.6	1.9	0.1	67.8	65.5
Slovenia	604	27.0	61.2	27.0	11.6	0.2	29.0	25.2
South Africa	1780	6.0	89.5	6.0	4.2	0.3	6.4	5.5
Sweden	591	10.6	61.6	10.6	26.4	1.5	6.6	14.1
Thailand	939	9.4	79.3	9.4	11.1	0.1	12.7	5.7
Turkey	879	6.6	82.2	6.6	11.1	0.0	5.6	7.6
United Arab Emirates	2558	25.9	67.3	25.9	6.6	0.2	24.0	27.8
United States	1464	43.6	52.2	43.6	3.6	0.7	43.5	43.7
International Avg (n=39)	35937	24.5	64.0	24.5	11.1	0.5	24.5	24.5
Buenos Aires, Argentina	472	3.7	48.5	3.7	43.5	4.3	2.2	4.8
Ontario, Canada	646	18.1	67.0	18.1	13.4	1.5	12.6	23.6
Quebec, Canada	569	34.1	55.1	34.1	10.5	0.3	29.9	39.1
Norway (8)	683	6.5	61.4	6.5	31.1	1.0	5.4	7.7
Abu Dhabi, UAE	678	21.2	71.8	21.2	6.7	0.2	21.3	21.2
Dubai, UAE	883	35.4	58.4	35.4	6.1	0.0	32.6	38.5
Florida, US	298	35.6	56.1	35.6	6.5	1.7	29.5	41.6

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.

M04_07 (M062350): Algebra / Applying Type: MC Key: D
Label: Given point and slope, select collinear point

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	15.8	16.3	29.5	32.1	15.8	5.1	1.2	12.0	20.0
Bahrain	706	36.6	10.7	22.9	25.4	36.6	3.9	0.5	35.3	37.8
Botswana	846	11.1	18.2	38.5	25.9	11.1	5.6	0.6	10.2	12.1
Canada	1254	14.6	14.9	26.8	34.7	14.6	7.2	1.8	14.7	14.5
Chile	685	10.4	24.9	28.0	24.9	10.4	10.1	1.8	8.6	12.1
Chinese Taipei	809	31.4	13.9	21.0	31.7	31.4	2.0	0.0	28.8	33.9
Egypt	1096	14.6	15.0	36.6	29.2	14.6	3.9	0.8	16.7	12.2
England	686	23.6	17.1	27.2	27.1	23.6	4.7	0.2	19.9	27.1
Georgia	573	17.5	18.9	28.1	24.8	17.5	9.8	0.9	16.1	18.8
Hong Kong SAR	587	24.2	14.7	22.6	36.1	24.2	2.3	0.0	26.6	22.1
Hungary	706	26.2	17.7	21.3	32.6	26.2	2.1	0.1	24.1	28.4
Iran, Islamic Rep. of	883	18.9	13.7	24.8	33.2	18.9	7.8	1.5	22.2	16.0
Ireland	676	18.4	16.7	25.0	33.1	18.4	6.2	0.6	16.3	20.7
Israel	785	32.9	10.2	19.8	27.7	32.9	7.4	2.0	30.6	34.9
Italy	623	14.9	21.2	26.3	27.7	14.9	9.1	0.9	11.6	18.8
Japan	683	46.4	8.1	19.3	23.2	46.4	2.9	0.2	46.8	45.9
Jordan	1122	11.2	17.2	38.5	28.8	11.2	3.6	0.8	12.7	9.6
Kazakhstan	698	46.4	16.5	13.8	19.5	46.4	3.7	0.2	48.4	44.5
Korea, Rep. of	762	40.7	7.0	20.1	29.7	40.7	2.5	0.0	35.9	45.2
Kuwait	594	11.9	14.8	37.9	28.7	11.9	5.8	0.9	10.8	13.0
Lebanon	540	12.4	23.5	21.9	24.6	12.4	17.2	0.5	13.9	10.7
Lithuania	630	10.5	13.4	35.3	31.2	10.5	9.5	0.0	7.1	13.7
Malaysia	1398	15.8	12.4	30.2	34.3	15.8	6.2	1.1	16.6	15.0
Malta	548	14.9	13.0	29.7	37.2	14.9	4.8	0.4	15.0	14.8
Morocco	1859	14.0	32.2	24.1	23.6	14.0	5.5	0.7	14.0	14.0
New Zealand	1144	20.0	14.9	29.2	30.4	20.0	4.7	0.8	19.2	20.9
Norway	669	18.0	15.8	29.4	24.6	18.0	11.1	1.1	19.6	16.3
Oman	1245	16.2	16.1	31.3	32.3	16.2	3.9	0.2	17.5	14.9
Qatar	778	15.5	15.6	32.6	29.8	15.5	5.9	0.6	15.3	15.7
Russian Federation	683	28.5	10.6	19.8	28.5	28.5	11.7	0.9	29.2	27.8
Saudi Arabia	523	15.6	15.6	31.1	33.3	15.6	3.7	0.7	18.6	12.3
Singapore	868	34.1	7.8	24.3	31.9	34.1	1.7	0.1	32.2	35.8
Slovenia	605	11.8	14.4	32.9	30.0	11.8	10.7	0.2	13.9	10.0
South Africa	1780	14.7	23.4	29.2	29.5	14.7	2.4	0.8	13.6	16.0
Sweden	591	14.2	14.3	26.5	30.2	14.2	12.1	2.6	13.4	15.1
Thailand	939	12.7	12.9	36.9	33.4	12.7	3.9	0.2	10.9	14.7
Turkey	879	17.6	16.8	28.7	34.2	17.6	2.6	0.0	17.7	17.5
United Arab Emirates	2558	16.5	16.8	30.4	31.8	16.5	4.2	0.3	15.8	17.2
United States	1464	42.9	12.4	18.3	23.7	42.9	1.8	0.9	42.6	43.2
International Avg (n=39)	35919	20.9	15.6	27.4	29.5	20.9	5.9	0.7	20.4	21.4
Buenos Aires, Argentina	466	7.2	11.2	21.6	25.9	7.2	29.8	4.2	6.4	7.6
Ontario, Canada	646	12.8	14.0	27.6	36.6	12.8	6.5	2.5	12.2	13.5
Quebec, Canada	568	17.6	17.4	23.1	31.7	17.6	9.2	1.0	19.1	15.9
Norway (8)	683	16.0	18.2	28.5	25.7	16.0	10.4	1.1	11.7	20.8
Abu Dhabi, UAE	678	15.0	19.9	31.3	29.1	15.0	4.4	0.4	14.2	15.7
Dubai, UAE	883	21.4	14.1	29.2	30.5	21.4	4.8	0.0	22.2	20.6
Florida, US	298	37.5	10.1	16.0	31.6	37.5	2.1	2.7	29.8	44.9

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

M04_08 (M062078): Algebra / Reasoning Type: CR 1 Point
Label: Given perimeter of triangle ABC find length of AB

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	28.4	54.6	28.4	15.7	1.3	25.6	31.8
Bahrain	706	18.3	64.8	18.3	16.5	0.5	21.2	15.7
Botswana	846	5.5	87.6	5.5	5.8	1.2	6.4	4.4
Canada	1255	34.4	50.4	34.4	13.1	2.1	34.4	34.4
Chile	685	11.1	52.8	11.1	33.9	2.1	9.3	12.7
Chinese Taipei	809	70.6	21.7	70.6	7.7	0.0	70.1	71.2
Egypt	1096	15.4	71.7	15.4	12.1	0.8	16.3	14.4
England	686	30.1	50.2	30.1	19.5	0.2	33.2	27.2
Georgia	573	32.6	44.8	32.6	21.6	1.0	37.8	28.1
Hong Kong SAR	587	58.9	36.6	58.9	4.5	0.0	53.6	63.5
Hungary	706	36.6	44.4	36.6	18.9	0.2	39.3	33.9
Iran, Islamic Rep. of	883	16.8	57.5	16.8	23.7	2.1	17.3	16.3
Ireland	676	32.0	50.6	32.0	16.8	0.6	31.7	32.5
Israel	785	43.3	37.4	43.3	16.8	2.5	43.8	42.9
Italy	623	21.9	40.6	21.9	36.4	1.1	18.8	25.5
Japan	683	50.2	39.8	50.2	9.8	0.2	55.0	45.4
Jordan	1122	9.9	79.5	9.9	9.8	0.9	10.3	9.5
Kazakhstan	698	54.7	34.9	54.7	10.2	0.2	58.9	50.6
Korea, Rep. of	762	67.5	29.4	67.5	3.0	0.0	68.4	66.7
Kuwait	594	8.0	77.0	8.0	13.9	1.1	6.0	10.1
Lebanon	558	16.5	56.1	16.5	25.7	1.8	16.2	16.8
Lithuania	630	37.2	44.2	37.2	18.6	0.0	40.6	34.0
Malaysia	1398	17.6	62.5	17.6	18.1	1.8	18.0	17.2
Malta	548	31.9	50.3	31.9	17.3	0.4	33.0	30.8
Morocco	1860	8.3	69.7	8.3	21.3	0.7	9.7	7.1
New Zealand	1144	24.2	60.9	24.2	14.0	0.9	25.1	23.3
Norway	669	27.0	48.3	27.0	23.7	1.1	27.8	26.1
Oman	1245	14.2	77.8	14.2	7.6	0.4	18.3	10.2
Qatar	778	18.9	67.3	18.9	13.1	0.7	20.1	17.6
Russian Federation	683	49.3	31.0	49.3	18.8	0.9	55.4	43.3
Saudi Arabia	523	4.6	83.4	4.6	11.3	0.7	4.5	4.7
Singapore	868	69.4	28.9	69.4	1.5	0.2	71.0	68.1
Slovenia	604	26.5	50.4	26.5	22.9	0.2	28.9	24.5
South Africa	1780	7.2	86.9	7.2	4.8	1.0	9.3	4.9
Sweden	590	34.7	47.1	34.7	15.0	3.2	33.0	36.0
Thailand	939	14.5	70.5	14.5	14.7	0.2	16.5	12.3
Turkey	879	24.2	63.0	24.2	12.8	0.0	25.7	22.9
United Arab Emirates	2558	24.3	64.7	24.3	10.6	0.4	26.3	22.3
United States	1464	32.5	60.9	32.5	5.5	1.1	32.9	32.0
International Avg (n=39)	35937	29.0	55.1	29.0	15.1	0.9	30.0	28.0
Buenos Aires, Argentina	473	12.2	37.3	12.2	44.6	5.9	15.0	8.8
Ontario, Canada	646	30.2	52.2	30.2	14.7	2.9	32.2	28.3
Quebec, Canada	569	43.8	42.8	43.8	12.1	1.3	39.5	48.8
Norway (8)	683	14.7	57.8	14.7	26.0	1.5	14.1	15.4
Abu Dhabi, UAE	678	17.6	70.4	17.6	11.6	0.4	18.7	16.6
Dubai, UAE	883	39.5	51.0	39.5	8.9	0.6	42.5	36.3
Florida, US	298	23.8	66.1	23.8	7.0	3.1	15.7	31.6

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.

M04_09 (M062284): Geometry / Knowing Type: MC Key: B
Label: Choose the pair of congruent quadrilaterals

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	47.1	27.4	47.1	9.5	11.6	2.6	2.0	46.9	47.3
Bahrain	706	58.4	26.4	58.4	5.2	8.3	1.3	0.5	59.1	57.7
Botswana	846	39.8	41.4	39.8	8.2	7.7	1.4	1.5	42.2	37.2
Canada	1250	65.2	14.1	65.2	5.7	10.6	1.7	2.8	64.4	66.4
Chile	685	43.9	28.0	43.9	11.4	11.5	3.0	2.3	40.1	47.3
Chinese Taipei	809	77.8	8.1	77.8	3.6	10.0	0.5	0.0	76.8	78.8
Egypt	1096	50.2	26.1	50.2	6.7	14.3	1.8	0.9	52.4	47.8
England	686	53.8	21.4	53.8	7.4	12.8	4.3	0.3	52.3	55.2
Georgia	573	60.7	13.1	60.7	4.5	18.3	2.3	1.0	61.3	60.3
Hong Kong SAR	587	71.4	9.8	71.4	7.2	11.1	0.6	0.0	67.6	74.7
Hungary	706	55.7	20.3	55.7	8.8	14.2	0.9	0.2	56.2	55.3
Iran, Islamic Rep. of	883	51.0	24.5	51.0	4.8	14.3	2.4	3.0	51.4	50.7
Ireland	676	50.8	22.8	50.8	9.9	13.7	2.1	0.8	48.1	53.8
Israel	785	58.0	18.4	58.0	5.0	12.1	3.6	2.9	61.6	54.7
Italy	623	68.0	9.5	68.0	3.4	15.1	2.9	1.1	69.6	66.1
Japan	683	84.4	3.7	84.4	3.0	7.3	1.4	0.2	85.1	83.7
Jordan	1122	49.0	28.2	49.0	6.4	13.0	2.6	0.9	50.8	47.2
Kazakhstan	698	75.7	9.9	75.7	2.2	11.7	0.3	0.2	78.5	72.9
Korea, Rep. of	762	83.0	6.9	83.0	3.6	6.0	0.4	0.0	82.1	83.8
Kuwait	593	46.0	37.0	46.0	4.9	9.2	1.5	1.3	51.6	40.2
Lebanon	556	63.2	17.1	63.2	6.8	6.0	5.0	1.9	64.6	61.7
Lithuania	630	71.5	6.9	71.5	4.4	14.4	2.8	0.0	75.6	67.9
Malaysia	1398	54.0	25.7	54.0	4.6	12.0	1.5	2.2	53.9	54.1
Malta	548	40.4	30.4	40.4	10.5	15.9	2.4	0.4	37.2	43.5
Morocco	1859	62.3	19.9	62.3	5.1	8.3	3.5	0.9	64.3	60.7
New Zealand	1144	48.1	25.8	48.1	9.7	12.9	2.7	0.9	51.7	44.3
Norway	669	38.8	25.1	38.8	11.5	15.8	7.6	1.3	40.5	37.0
Oman	1245	43.9	31.5	43.9	5.9	16.8	1.5	0.5	45.4	42.5
Qatar	778	50.7	29.2	50.7	5.8	11.6	1.8	0.9	55.1	46.1
Russian Federation	683	76.7	5.6	76.7	1.8	12.5	2.5	0.9	74.1	79.3
Saudi Arabia	522	29.4	45.6	29.4	9.4	13.7	1.2	0.7	31.1	27.4
Singapore	868	71.5	16.3	71.5	4.3	6.7	1.0	0.2	68.6	73.9
Slovenia	605	77.4	7.4	77.4	2.6	9.8	2.6	0.2	76.9	77.9
South Africa	1780	47.7	30.3	47.7	10.2	8.4	2.1	1.3	47.4	48.0
Sweden	591	36.7	27.1	36.7	9.0	17.3	6.7	3.2	36.8	36.2
Thailand	939	67.6	12.2	67.6	5.6	13.3	0.9	0.4	69.1	65.9
Turkey	879	48.2	33.7	48.2	4.4	12.9	0.8	0.0	47.2	49.1
United Arab Emirates	2558	50.1	29.8	50.1	5.8	10.3	3.1	0.8	51.5	48.8
United States	1464	62.1	22.0	62.1	3.2	9.4	1.9	1.4	63.4	60.8
International Avg (n=39)	35929	57.2	21.5	57.2	6.2	11.8	2.3	1.0	57.8	56.6
Buenos Aires, Argentina	466	35.6	19.3	35.6	11.5	9.1	18.8	5.6	38.8	32.6
Ontario, Canada	646	69.5	10.7	69.5	3.6	11.1	1.5	3.7	68.7	70.6
Quebec, Canada	564	57.2	22.1	57.2	9.7	7.5	1.7	1.7	57.2	57.3
Norway (8)	683	42.6	25.5	42.6	11.2	13.6	5.4	1.6	42.3	42.9
Abu Dhabi, UAE	678	47.9	31.8	47.9	6.9	9.0	3.1	1.3	49.3	46.7
Dubai, UAE	883	56.8	21.4	56.8	6.2	13.0	1.9	0.7	58.8	54.5
Florida, US	298	58.1	25.6	58.1	4.8	8.1	0.4	3.1	56.2	59.9

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

M04_10 (M062245): Geometry / Applying Type: MC Key: A
Label: Coordinates of 4th vertex for Pia's rectangle

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	37.7	37.7	20.2	22.6	11.8	5.7	2.1	35.7	40.0
Bahrain	706	51.4	51.4	17.4	16.9	11.5	2.5	0.5	54.3	48.8
Botswana	846	24.9	24.9	25.8	23.7	21.1	2.5	2.0	26.6	23.1
Canada	1253	47.9	47.9	15.0	18.3	9.9	5.8	3.1	47.9	48.2
Chile	685	29.2	29.2	24.0	24.2	14.0	6.2	2.3	29.6	28.9
Chinese Taipei	809	75.2	75.2	7.8	11.0	5.5	0.3	0.1	76.2	74.4
Egypt	1096	29.2	29.2	23.7	20.3	22.0	3.8	1.0	30.4	27.8
England	686	48.7	48.7	15.6	18.5	11.4	5.4	0.4	51.5	46.0
Georgia	573	45.0	45.0	16.3	22.6	10.7	4.5	1.0	48.9	41.6
Hong Kong SAR	587	67.4	67.4	10.7	14.2	6.9	0.8	0.0	68.4	66.6
Hungary	706	50.2	50.2	14.4	21.3	12.6	1.1	0.3	48.7	51.7
Iran, Islamic Rep. of	883	28.4	28.4	32.3	16.6	13.8	5.3	3.6	27.7	29.0
Ireland	676	42.4	42.4	19.8	21.8	10.8	4.5	0.8	41.2	43.8
Israel	785	42.1	42.1	18.1	17.4	10.9	8.4	3.2	45.0	39.4
Italy	623	39.1	39.1	19.0	17.3	12.5	10.9	1.1	38.3	40.1
Japan	683	59.5	59.5	13.3	14.4	9.2	3.4	0.2	63.6	55.2
Jordan	1122	34.7	34.7	19.8	19.5	21.2	3.7	1.1	38.3	31.1
Kazakhstan	698	58.8	58.8	15.9	15.2	7.7	2.2	0.2	63.4	54.3
Korea, Rep. of	762	65.7	65.7	12.6	15.7	4.4	1.5	0.0	67.0	64.6
Kuwait	594	33.3	33.3	18.9	24.8	17.0	4.5	1.5	37.3	29.2
Lebanon	538	35.7	35.7	19.1	22.4	10.5	10.1	2.2	40.1	30.8
Lithuania	630	47.7	47.7	16.0	18.4	14.3	3.3	0.2	49.8	45.8
Malaysia	1398	42.1	42.1	18.7	18.4	14.8	3.6	2.3	44.7	39.9
Malta	548	42.0	42.0	19.9	23.7	10.1	3.9	0.4	45.7	38.4
Morocco	1859	21.0	21.0	26.0	27.9	19.4	4.8	0.9	22.6	19.6
New Zealand	1144	36.5	36.5	22.7	24.2	10.4	5.2	1.0	40.5	32.2
Norway	669	36.3	36.3	20.5	23.6	9.5	8.6	1.4	37.9	34.7
Oman	1245	37.7	37.7	22.6	19.8	16.6	2.8	0.5	39.8	35.7
Qatar	778	39.7	39.7	21.8	21.0	11.9	4.5	1.2	42.3	36.9
Russian Federation	683	60.7	60.7	10.9	14.3	7.3	6.0	0.9	65.8	55.6
Saudi Arabia	522	29.1	29.1	23.0	22.9	21.5	2.8	0.7	32.1	25.8
Singapore	868	57.5	57.5	15.8	15.9	8.3	1.9	0.5	59.4	55.9
Slovenia	605	49.3	49.3	16.8	19.7	10.0	4.0	0.2	51.1	47.8
South Africa	1780	25.3	25.3	26.0	25.9	19.8	1.5	1.5	25.9	24.7
Sweden	591	31.9	31.9	20.9	24.8	11.4	7.0	3.9	29.8	33.9
Thailand	939	29.9	29.9	25.0	26.4	14.4	3.8	0.5	29.7	30.0
Turkey	879	43.8	43.8	16.3	25.0	13.8	1.1	0.0	46.0	41.9
United Arab Emirates	2557	41.8	41.8	21.6	20.4	11.9	3.5	1.0	45.2	38.4
United States	1464	57.7	57.7	12.6	14.6	10.6	2.5	2.0	61.7	53.8
International Avg (n=39)	35914	43.0	43.0	18.9	20.1	12.6	4.2	1.2	44.9	41.2
Buenos Aires, Argentina	459	15.0	15.0	16.4	21.6	10.6	30.3	6.1	15.9	14.4
Ontario, Canada	646	46.6	46.6	15.9	19.7	8.4	5.2	4.2	45.9	47.6
Quebec, Canada	567	53.0	53.0	11.8	15.2	11.7	6.3	2.0	52.7	53.3
Norway (8)	683	30.6	30.6	22.7	24.1	11.1	9.8	1.7	33.6	27.3
Abu Dhabi, UAE	678	39.9	39.9	23.7	19.9	12.2	2.9	1.5	44.8	35.4
Dubai, UAE	883	50.0	50.0	18.0	16.0	11.5	3.5	0.9	53.6	46.2
Florida, US	298	50.7	50.7	18.2	19.7	6.5	1.6	3.3	46.2	55.0

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

M04_11 (M062287): Geometry / Reasoning Type: CR 1 Point
Label: Shaded areas with overlapping congruent triangles

COUNTRY	N	10 %	11 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	1.6	10.4	65.3	12.0	20.1	2.6	10.9	13.3
Bahrain	706	0.7	4.9	65.0	5.6	29.0	0.5	6.7	4.6
Botswana	852	0.2	2.1	78.1	2.3	17.0	2.5	3.4	1.2
Canada	1255	4.0	13.9	59.3	17.9	19.3	3.5	19.2	16.5
Chile	685	0.5	0.9	46.5	1.3	49.6	2.5	1.4	1.2
Chinese Taipei	809	21.9	14.7	48.5	36.6	14.8	0.1	37.4	35.9
Egypt	1096	4.3	0.5	63.4	4.8	30.7	1.1	5.0	4.4
England	686	3.0	12.7	59.2	15.7	24.3	0.8	17.0	14.5
Georgia	573	1.4	1.4	45.4	2.8	49.6	2.1	2.6	3.0
Hong Kong SAR	587	16.6	22.5	42.4	39.1	18.4	0.1	45.8	33.3
Hungary	706	6.2	11.6	51.8	17.9	30.0	0.3	19.0	16.7
Iran, Islamic Rep. of	883	1.6	5.5	57.7	7.1	31.1	4.1	7.5	6.8
Ireland	676	2.1	13.9	65.1	16.0	18.1	0.9	14.7	17.4
Israel	785	10.1	6.0	49.1	16.1	30.7	4.1	16.8	15.5
Italy	623	3.1	7.5	54.1	10.6	33.6	1.7	8.9	12.6
Japan	683	26.2	9.4	47.7	35.6	16.6	0.2	40.3	30.8
Jordan	1122	0.8	1.1	75.1	1.9	21.8	1.2	2.5	1.3
Kazakhstan	698	7.4	12.0	56.3	19.4	24.0	0.2	23.1	15.8
Korea, Rep. of	762	33.6	9.2	48.1	42.8	8.9	0.2	42.4	43.2
Kuwait	594	0.9	0.9	62.5	1.9	33.8	1.8	1.9	1.8
Lebanon	558	9.5	1.1	43.2	10.7	42.6	3.5	12.4	8.7
Lithuania	630	2.3	6.7	56.6	8.9	34.0	0.5	7.4	10.3
Malaysia	1398	2.6	6.4	56.7	9.0	31.3	3.1	9.6	8.5
Malta	548	1.8	8.7	60.6	10.5	28.5	0.4	11.7	9.3
Morocco	1857	0.9	0.0	55.4	0.9	42.5	1.2	1.1	0.7
New Zealand	1144	3.0	10.7	59.7	13.7	25.5	1.1	16.2	11.0
Norway	669	2.2	12.7	52.1	15.0	30.6	2.3	16.8	13.0
Oman	1244	1.4	3.1	70.0	4.5	24.7	0.7	5.7	3.3
Qatar	778	1.7	5.3	66.4	7.0	25.2	1.4	9.2	4.7
Russian Federation	683	7.3	3.1	43.3	10.4	45.2	1.1	14.3	6.6
Saudi Arabia	523	4.7	3.6	60.4	8.2	30.5	0.9	12.0	4.2
Singapore	868	22.8	18.3	50.4	41.1	8.0	0.6	44.3	38.3
Slovenia	604	7.6	11.4	56.3	19.0	24.3	0.4	22.8	15.7
South Africa	1780	0.6	2.8	80.9	3.4	14.0	1.7	3.7	3.1
Sweden	589	4.5	9.4	48.3	13.9	33.4	4.5	13.3	14.2
Thailand	939	0.9	6.8	63.5	7.7	27.8	1.0	9.6	5.5
Turkey	879	2.3	5.1	70.7	7.3	21.9	0.0	8.5	6.2
United Arab Emirates	2557	1.4	5.8	71.9	7.2	19.9	1.0	7.9	6.5
United States	1464	2.4	11.2	76.6	13.6	7.6	2.3	14.4	12.8
International Avg (n=39)	35937	5.8	7.5	58.6	13.3	26.6	1.5	14.6	12.1
Buenos Aires, Argentina	474	1.0	1.3	32.2	2.2	57.3	8.3	2.4	2.1
Ontario, Canada	646	3.2	16.8	56.2	20.0	19.3	4.5	22.4	17.7
Quebec, Canada	569	4.1	9.2	62.5	13.3	21.7	2.5	11.5	15.5
Norway (8)	683	1.6	10.1	54.0	11.7	32.1	2.1	14.0	9.3
Abu Dhabi, UAE	678	0.7	5.3	72.7	6.0	19.8	1.5	8.9	3.5
Dubai, UAE	883	3.8	10.2	68.4	14.0	16.5	1.0	13.8	14.2
Florida, US	298	1.4	7.3	74.9	8.8	11.7	4.6	7.3	10.2

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.

M04_12A (M062345A): Data and Chance / Applying Type: CR 2 Points
Label: Fishing spots - calculate mean and median

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	30.9	27.8	30.4	58.7	30.9	7.8	3.1	31.1	30.7
Bahrain	706	24.8	37.3	28.1	62.1	24.8	8.7	1.0	33.6	17.1
Botswana	852	16.7	32.9	43.4	49.6	16.7	3.7	3.3	19.8	13.3
Canada	1255	28.0	35.5	25.3	63.5	28.0	6.9	4.2	28.5	27.6
Chile	685	13.4	21.9	32.6	35.4	13.4	28.9	3.2	13.9	13.1
Chinese Taipei	809	26.9	47.9	19.4	74.8	26.9	5.7	0.1	23.2	30.4
Egypt	1096	8.6	16.8	59.5	25.5	8.6	13.2	1.8	9.5	7.7
England	686	44.8	31.8	17.7	76.6	44.8	4.8	0.9	52.7	37.4
Georgia	573	12.2	23.8	40.1	36.0	12.2	21.3	2.6	15.2	9.6
Hong Kong SAR	587	31.3	51.4	15.4	82.7	31.3	1.8	0.1	30.1	32.4
Hungary	706	13.8	51.1	27.1	64.9	13.8	7.5	0.4	13.2	14.4
Iran, Islamic Rep. of	883	8.3	31.2	38.8	39.5	8.3	16.9	4.7	9.3	7.3
Ireland	676	26.8	23.2	41.8	50.0	26.8	7.3	0.9	24.2	29.7
Israel	785	27.4	32.5	25.0	59.9	27.4	10.2	5.0	32.9	22.5
Italy	623	20.0	40.4	26.6	60.4	20.0	11.4	1.7	20.7	19.1
Japan	683	43.7	41.1	11.3	84.8	43.7	3.4	0.5	45.8	41.6
Jordan	1122	6.1	9.3	72.9	15.3	6.1	10.2	1.6	6.2	5.9
Kazakhstan	698	27.4	18.9	40.6	46.3	27.4	12.1	1.0	32.8	22.3
Korea, Rep. of	762	23.6	51.5	20.4	75.1	23.6	4.1	0.4	21.9	25.2
Kuwait	594	31.1	33.5	23.4	64.6	31.1	9.9	2.0	34.4	27.8
Lebanon	558	1.5	8.7	47.3	10.2	1.5	35.6	6.9	1.3	1.8
Lithuania	630	15.1	53.1	23.7	68.2	15.1	7.6	0.5	19.1	11.4
Malaysia	1398	27.4	22.4	38.5	49.9	27.4	7.0	4.6	33.0	22.5
Malta	548	34.9	24.6	31.3	59.5	34.9	8.6	0.6	41.4	28.6
Morocco	1860	0.4	8.8	64.7	9.3	0.4	23.8	2.2	0.5	0.4
New Zealand	1144	28.0	30.0	31.5	58.0	28.0	9.3	1.3	34.1	21.5
Norway	669	50.9	25.3	15.2	76.2	50.9	5.3	3.3	55.8	45.5
Oman	1245	21.0	23.9	47.2	44.9	21.0	6.4	1.5	30.8	11.4
Qatar	778	17.6	20.8	48.9	38.4	17.6	10.1	2.7	21.3	13.7
Russian Federation	683	17.5	31.8	28.3	49.3	17.5	20.8	1.6	20.6	14.4
Saudi Arabia	523	20.6	35.3	34.3	55.9	20.6	8.7	1.1	25.5	15.3
Singapore	868	58.9	25.3	13.8	84.3	58.9	1.3	0.7	59.9	58.1
Slovenia	604	7.5	46.8	39.1	54.2	7.5	5.8	0.8	8.2	6.9
South Africa	1780	4.5	28.1	62.8	32.7	4.5	2.5	2.1	5.1	3.8
Sweden	590	23.0	25.6	33.6	48.5	23.0	11.4	6.5	26.1	20.4
Thailand	939	5.5	10.6	58.8	16.0	5.5	23.8	1.3	7.0	3.6
Turkey	879	26.6	29.7	34.3	56.3	26.6	9.1	0.4	30.9	22.8
United Arab Emirates	2558	27.7	24.3	40.0	52.0	27.7	6.5	1.5	29.2	26.2
United States	1464	47.8	30.3	15.5	78.1	47.8	3.8	2.5	52.2	43.7
International Avg (n=39)	35943	23.1	29.9	34.6	53.0	23.1	10.3	2.1	25.7	20.7
Buenos Aires, Argentina	474	1.0	3.6	33.1	4.6	1.0	50.9	11.4	1.1	0.9
Ontario, Canada	646	41.8	25.5	21.5	67.4	41.8	5.6	5.6	43.5	40.4
Quebec, Canada	569	5.0	57.7	24.1	62.7	5.0	10.4	2.8	5.2	4.8
Norway (8)	683	38.6	31.7	19.3	70.2	38.6	7.0	3.4	41.4	35.4
Abu Dhabi, UAE	678	21.4	22.8	47.9	44.2	21.4	6.1	1.8	23.4	19.6
Dubai, UAE	883	37.9	26.5	28.0	64.4	37.9	5.6	1.9	38.1	37.8
Florida, US	298	28.5	36.7	25.6	65.2	28.5	4.6	4.6	26.1	30.7

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.

M04_13 (M062115): Data and Chance / Applying Type: MC Key: C
Label: Marble maze with intersections

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1444	29.2	20.1	40.4	29.2	3.0	3.1	4.2	25.2	33.8
Bahrain	706	33.6	20.9	38.0	33.6	4.5	1.7	1.4	31.5	35.4
Botswana	852	16.3	26.9	37.8	16.3	8.3	3.1	7.7	16.5	16.0
Canada	1253	29.6	19.0	38.0	29.6	4.0	2.1	7.2	24.7	34.7
Chile	685	14.6	21.2	49.2	14.6	7.2	2.9	5.0	11.2	17.6
Chinese Taipei	809	62.6	7.0	21.2	62.6	7.3	1.5	0.4	56.5	68.2
Egypt	1096	21.8	30.9	28.6	21.8	13.1	2.9	2.7	20.9	22.7
England	686	32.7	26.0	33.6	32.7	3.1	2.6	2.1	30.0	35.2
Georgia	573	25.4	22.7	32.7	25.4	11.5	3.9	3.8	23.4	27.1
Hong Kong SAR	587	48.7	11.6	28.8	48.7	9.2	1.2	0.5	40.0	56.4
Hungary	706	34.3	19.6	37.1	34.3	6.3	1.6	1.1	29.1	39.6
Iran, Islamic Rep. of	883	24.3	26.2	33.3	24.3	6.5	2.6	7.1	23.2	25.2
Ireland	676	36.5	25.2	30.7	36.5	5.0	1.3	1.3	28.1	45.8
Israel	785	26.3	20.0	39.1	26.3	5.6	2.4	6.7	21.3	30.7
Italy	623	22.5	19.7	47.2	22.5	5.8	1.7	3.1	17.4	28.5
Japan	683	43.8	12.1	36.5	43.8	5.3	0.8	1.7	40.0	47.6
Jordan	1122	19.3	26.4	38.4	19.3	8.9	3.1	3.8	14.0	24.5
Kazakhstan	698	31.4	22.1	35.5	31.4	7.6	1.9	1.5	30.7	32.2
Korea, Rep. of	762	63.6	11.7	20.2	63.6	3.4	0.6	0.5	55.9	70.8
Kuwait	594	21.0	24.7	40.1	21.0	7.8	3.3	3.2	18.4	23.7
Lebanon	543	18.6	22.3	32.0	18.6	10.9	7.3	8.8	14.1	23.7
Lithuania	630	25.8	21.6	42.6	25.8	7.0	1.4	1.5	19.1	32.0
Malaysia	1398	16.5	24.9	41.2	16.5	5.5	3.7	8.1	15.3	17.7
Malta	548	24.9	28.2	36.0	24.9	5.8	3.0	2.1	19.4	30.1
Morocco	1859	19.0	20.8	42.2	19.0	11.3	3.6	3.1	19.3	18.8
New Zealand	1144	30.5	23.7	36.5	30.5	5.5	1.8	2.1	24.1	37.3
Norway	669	34.2	15.6	36.8	34.2	4.4	3.0	6.0	29.3	39.4
Oman	1245	22.1	26.0	39.0	22.1	7.4	3.3	2.2	19.2	24.9
Qatar	778	25.7	19.7	38.2	25.7	10.0	3.0	3.5	22.4	29.1
Russian Federation	683	29.1	22.1	36.9	29.1	7.5	2.0	2.4	23.4	34.8
Saudi Arabia	523	18.5	27.6	40.0	18.5	8.1	2.6	3.3	18.7	18.3
Singapore	868	41.5	20.1	29.5	41.5	7.0	1.2	0.8	34.3	47.6
Slovenia	604	32.6	26.5	29.3	32.6	8.5	1.6	1.5	33.0	32.2
South Africa	1780	19.3	23.6	36.7	19.3	15.7	1.4	3.3	19.3	19.2
Sweden	591	27.5	20.1	32.0	27.5	6.1	4.5	9.8	25.5	29.4
Thailand	939	17.0	29.9	41.8	17.0	7.0	1.7	2.6	15.0	19.3
Turkey	879	40.3	20.1	30.5	40.3	6.8	1.7	0.6	39.9	40.7
United Arab Emirates	2558	22.7	23.5	44.2	22.7	5.1	2.2	2.2	18.8	26.5
United States	1464	28.3	22.6	38.0	28.3	4.5	1.8	4.9	22.1	34.2
International Avg (n=39)	35926	29.0	21.9	36.1	29.0	7.1	2.4	3.4	25.4	32.6
Buenos Aires, Argentina	462	19.7	18.7	32.1	19.7	9.7	7.2	12.5	17.6	21.8
Ontario, Canada	645	28.6	19.8	37.3	28.6	3.3	1.9	9.1	24.8	32.0
Quebec, Canada	568	29.2	18.1	39.3	29.2	5.5	2.6	5.4	21.8	38.0
Norway (8)	683	27.6	21.9	38.0	27.6	5.6	1.9	5.1	23.1	32.5
Abu Dhabi, UAE	678	19.0	23.9	47.5	19.0	5.2	1.6	2.9	16.1	21.5
Dubai, UAE	883	25.9	24.1	39.9	25.9	5.1	2.7	2.3	21.7	30.3
Florida, US	298	26.8	19.3	39.5	26.8	5.9	3.2	5.3	19.0	34.4

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

M05_01 (M042183): Number / Knowing Type: MC Key: D
Label: Find the number

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	69.2	9.0	9.5	10.7	69.2	1.1	0.5	72.4	65.8
Bahrain	707	61.4	12.5	15.2	10.9	61.4	0.0	0.0	61.7	61.1
Botswana	839	62.1	12.1	14.8	9.9	62.1	1.2	0.0	62.7	61.3
Canada	1265	79.9	6.6	7.7	4.6	79.9	0.8	0.4	79.4	80.4
Chile	673	33.8	28.1	15.8	18.1	33.8	4.0	0.3	31.3	36.5
Chinese Taipei	804	65.2	26.8	4.4	3.2	65.2	0.4	0.0	65.3	65.1
Egypt	1101	51.8	14.1	17.3	14.8	51.8	1.7	0.2	55.2	48.0
England	697	75.5	7.5	7.1	9.2	75.5	0.4	0.3	76.2	74.8
Georgia	574	52.5	19.4	16.2	9.9	52.5	1.6	0.4	48.9	55.7
Hong Kong SAR	587	82.1	11.0	3.0	3.6	82.1	0.2	0.1	85.7	78.9
Hungary	704	67.2	12.0	12.5	8.1	67.2	0.3	0.0	64.7	69.8
Iran, Islamic Rep. of	883	44.2	21.5	19.4	11.9	44.2	2.8	0.2	42.4	45.9
Ireland	673	73.6	9.3	11.1	5.2	73.6	0.8	0.0	76.0	71.2
Israel	782	59.9	9.0	22.6	7.0	59.9	1.3	0.2	58.5	61.5
Italy	627	68.3	12.6	12.7	5.5	68.3	0.9	0.0	65.8	70.5
Japan	673	69.3	21.8	3.7	4.8	69.3	0.4	0.0	68.2	70.5
Jordan	1120	36.5	19.3	16.9	23.9	36.5	3.2	0.2	37.5	35.5
Kazakhstan	688	66.4	20.1	8.5	4.2	66.4	0.7	0.1	70.2	62.4
Korea, Rep. of	759	57.0	36.2	2.1	3.9	57.0	0.8	0.0	53.4	60.3
Kuwait	599	45.6	15.5	20.7	13.8	45.6	3.8	0.7	48.6	42.5
Lebanon	553	62.5	8.8	19.3	4.1	62.5	3.2	2.2	60.7	64.5
Lithuania	628	65.1	12.7	16.1	5.4	65.1	0.6	0.0	65.8	64.4
Malaysia	1377	63.6	8.6	24.1	3.2	63.6	0.5	0.0	67.1	60.4
Malta	549	76.6	8.7	5.7	8.0	76.6	1.0	0.0	78.4	74.8
Morocco	1867	46.5	22.5	16.2	11.7	46.5	3.0	0.1	47.4	45.8
New Zealand	1125	60.4	9.5	13.1	15.5	60.4	1.3	0.1	60.2	60.6
Norway	663	73.3	3.9	12.1	8.9	73.3	1.2	0.6	75.9	70.6
Oman	1264	43.6	12.9	32.1	10.4	43.6	0.9	0.1	45.0	42.3
Qatar	767	65.1	13.6	12.8	6.5	65.1	1.3	0.7	65.7	64.4
Russian Federation	681	68.9	12.4	13.2	4.3	68.9	0.8	0.4	66.4	71.2
Saudi Arabia	525	34.8	20.4	26.6	16.0	34.8	1.9	0.2	35.1	34.5
Singapore	871	90.5	5.0	1.1	3.0	90.5	0.4	0.1	89.4	91.5
Slovenia	602	69.3	11.5	11.9	5.6	69.3	1.7	0.0	73.4	65.2
South Africa	1785	44.7	18.5	22.4	12.6	44.7	1.6	0.3	44.9	44.4
Sweden	596	64.0	13.5	12.7	7.3	64.0	1.4	1.1	67.8	60.6
Thailand	927	40.7	25.2	16.6	16.3	40.7	1.0	0.1	43.9	36.9
Turkey	879	40.9	25.5	19.6	13.1	40.9	0.9	0.0	37.9	43.6
United Arab Emirates	2573	65.4	12.0	14.8	6.6	65.4	1.0	0.1	69.0	61.9
United States	1476	72.2	12.9	7.6	6.2	72.2	1.0	0.1	74.2	70.2
International Avg (n=39)	35916	60.8	14.9	13.8	8.9	60.8	1.3	0.3	61.3	60.1
Buenos Aires, Argentina	448	38.5	18.5	16.0	10.7	38.5	11.4	4.9	36.8	40.1
Ontario, Canada	654	77.6	7.5	7.9	5.6	77.6	1.0	0.6	76.8	78.3
Quebec, Canada	573	83.5	5.2	7.5	2.8	83.5	0.7	0.2	83.1	84.1
Norway (8)	686	68.3	6.9	10.7	12.2	68.3	2.0	0.0	66.7	70.1
Abu Dhabi, UAE	687	65.4	12.6	15.2	5.5	65.4	0.9	0.3	69.6	61.5
Dubai, UAE	884	70.6	11.4	11.2	6.3	70.6	0.3	0.1	72.7	68.5
Florida, US	296	75.8	10.6	5.6	6.3	75.8	1.4	0.3	77.5	74.3

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

M05_02 (M042060): Number / Knowing Type: MC Key: B
Label: Fraction by which price reduced by

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	71.8	13.8	71.8	10.3	1.3	2.1	0.7	71.4	72.3
Bahrain	707	62.0	21.7	62.0	10.8	5.0	0.5	0.0	59.5	64.2
Botswana	839	46.8	29.9	46.8	11.7	9.1	2.5	0.0	50.0	43.2
Canada	1265	73.0	15.8	73.0	8.6	1.2	1.0	0.4	68.5	77.4
Chile	673	28.7	48.8	28.7	11.0	7.4	3.8	0.3	22.7	34.9
Chinese Taipei	804	74.3	17.1	74.3	5.0	3.1	0.5	0.0	72.6	76.0
Egypt	1101	47.3	26.1	47.3	15.1	9.9	1.2	0.2	47.1	47.7
England	697	70.6	18.9	70.6	9.6	0.4	0.1	0.3	67.8	73.6
Georgia	574	51.8	29.5	51.8	10.8	3.5	3.9	0.4	46.6	56.5
Hong Kong SAR	587	82.8	8.1	82.8	7.4	1.2	0.4	0.1	80.6	84.8
Hungary	704	51.8	34.5	51.8	8.7	4.5	0.5	0.0	49.2	54.6
Iran, Islamic Rep. of	883	51.5	27.6	51.5	10.3	7.7	2.7	0.2	47.8	55.1
Ireland	673	85.3	7.5	85.3	6.6	0.3	0.2	0.0	84.7	85.9
Israel	782	71.6	16.2	71.6	7.6	2.6	1.7	0.2	68.9	74.6
Italy	627	49.9	30.3	49.9	10.0	7.2	2.8	0.0	44.1	55.3
Japan	673	67.9	21.3	67.9	5.4	4.8	0.6	0.0	64.5	71.7
Jordan	1120	30.8	47.4	30.8	11.7	7.8	2.1	0.2	29.8	31.8
Kazakhstan	688	61.5	19.4	61.5	8.9	7.6	2.5	0.1	58.9	64.3
Korea, Rep. of	759	83.5	11.1	83.5	3.5	1.6	0.3	0.0	82.8	84.1
Kuwait	599	43.2	32.7	43.2	16.6	5.2	1.6	0.7	39.5	47.0
Lebanon	553	31.0	37.3	31.0	13.4	5.4	10.5	2.3	32.3	29.6
Lithuania	628	62.8	20.6	62.8	8.3	7.4	0.9	0.0	57.0	68.8
Malaysia	1377	63.7	20.1	63.7	8.0	7.2	1.0	0.0	64.8	62.6
Malta	549	64.0	21.6	64.0	9.4	3.7	1.3	0.0	64.4	63.5
Morocco	1867	26.1	50.3	26.1	9.4	11.4	2.6	0.2	25.7	26.5
New Zealand	1125	65.4	20.6	65.4	10.5	2.1	1.2	0.1	63.5	67.4
Norway	663	81.2	8.9	81.2	7.0	1.1	1.2	0.6	80.2	82.2
Oman	1264	32.8	43.5	32.8	11.8	9.6	2.2	0.1	31.0	34.6
Qatar	767	43.3	28.0	43.3	14.2	11.8	1.7	1.0	43.8	42.8
Russian Federation	681	69.6	13.9	69.6	7.7	6.6	1.8	0.4	66.6	72.4
Saudi Arabia	525	28.8	44.5	28.8	16.8	8.4	1.3	0.2	23.4	34.3
Singapore	871	89.9	4.6	89.9	4.5	0.6	0.4	0.1	91.7	88.3
Slovenia	602	59.8	30.9	59.8	7.7	0.7	0.9	0.0	59.2	60.4
South Africa	1785	31.4	49.1	31.4	10.1	7.6	1.4	0.3	32.0	30.9
Sweden	596	76.7	9.5	76.7	10.1	2.0	0.5	1.1	78.1	75.4
Thailand	927	33.9	39.8	33.9	10.4	13.9	1.8	0.1	35.2	32.3
Turkey	879	48.4	33.1	48.4	11.2	6.1	1.3	0.0	50.8	46.3
United Arab Emirates	2572	56.7	26.5	56.7	9.9	4.5	2.2	0.2	55.6	57.9
United States	1476	72.9	15.3	72.9	7.3	3.1	1.3	0.2	68.2	77.1
International Avg (n=39)	35915	57.6	25.5	57.6	9.7	5.2	1.7	0.3	55.9	59.2
Buenos Aires, Argentina	448	29.8	36.6	29.8	11.1	7.0	9.6	5.9	25.2	34.7
Ontario, Canada	654	69.4	19.0	69.4	8.8	1.0	1.2	0.6	65.0	73.4
Quebec, Canada	573	80.1	11.8	80.1	5.4	1.8	0.6	0.2	74.0	87.2
Norway (8)	686	74.3	12.7	74.3	9.9	2.1	1.0	0.0	72.2	76.7
Abu Dhabi, UAE	686	50.2	29.2	50.2	11.2	6.3	2.8	0.3	46.7	53.5
Dubai, UAE	884	66.1	20.3	66.1	9.1	2.8	1.4	0.2	69.5	62.7
Florida, US	296	62.3	21.2	62.3	13.4	1.2	1.6	0.3	58.8	65.7

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

M05_03 (M042019): Number / Knowing Type: CR 1 Point
Label: Approximate the sum

COUNTRY	N	10 %	70 %	71 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	64.0	5.8	1.3	26.3	64.0	2.0	0.7	62.5	65.6
Bahrain	707	27.1	1.6	0.6	59.8	27.1	10.9	0.0	28.9	25.4
Botswana	839	37.9	4.0	0.2	56.6	37.9	1.3	0.0	40.0	35.5
Canada	1265	57.4	5.1	2.2	32.3	57.4	2.4	0.5	53.2	61.6
Chile	673	15.4	2.4	0.9	45.9	15.4	35.1	0.3	11.7	19.3
Chinese Taipei	804	23.1	2.5	1.1	66.2	23.1	7.1	0.0	25.1	21.2
Egypt	1101	9.2	0.6	0.2	72.8	9.2	16.8	0.4	8.5	9.9
England	697	72.8	5.9	1.0	18.4	72.8	1.7	0.3	69.8	76.1
Georgia	574	42.2	2.5	1.3	40.5	42.2	13.1	0.4	36.0	47.7
Hong Kong SAR	587	76.5	4.0	1.5	16.1	76.5	1.7	0.1	77.7	75.3
Hungary	704	67.6	2.5	1.1	22.0	67.6	6.8	0.0	65.4	70.1
Iran, Islamic Rep. of	883	13.7	3.7	1.9	59.7	13.7	20.6	0.4	14.7	12.6
Ireland	673	73.7	2.2	0.7	22.1	73.7	1.3	0.0	70.2	77.1
Israel	782	46.3	2.2	1.0	40.8	46.3	9.3	0.3	42.4	50.4
Italy	627	26.7	2.2	1.7	48.1	26.7	21.3	0.0	24.2	29.0
Japan	673	44.5	4.7	2.2	44.1	44.5	4.6	0.0	47.3	41.2
Jordan	1120	12.0	0.3	0.7	68.0	12.0	18.9	0.2	10.7	13.3
Kazakhstan	688	36.7	1.0	0.0	56.4	36.7	5.9	0.1	41.3	31.8
Korea, Rep. of	759	51.4	0.7	0.3	46.1	51.4	1.5	0.0	41.6	60.1
Kuwait	599	21.5	1.5	1.2	60.5	21.5	14.6	0.7	20.4	22.7
Lebanon	553	12.3	0.7	0.0	65.4	12.3	19.2	2.4	11.2	13.6
Lithuania	628	37.0	2.6	0.4	59.1	37.0	1.0	0.0	37.8	36.2
Malaysia	1377	40.2	1.8	0.2	52.7	40.2	5.0	0.0	43.4	37.1
Malta	549	70.4	2.2	1.0	24.3	70.4	2.2	0.0	69.0	71.7
Morocco	1867	0.8	0.4	0.3	77.4	0.8	20.9	0.2	1.0	0.7
New Zealand	1125	61.1	5.8	2.2	28.0	61.1	2.9	0.1	56.9	65.3
Norway	663	69.5	5.2	0.8	18.4	69.5	5.5	0.6	67.9	71.3
Oman	1256	11.2	0.8	0.0	79.4	11.2	8.5	0.1	10.3	12.1
Qatar	767	36.7	0.8	0.7	55.3	36.7	5.5	1.0	33.1	40.5
Russian Federation	681	36.4	1.6	0.7	52.7	36.4	8.3	0.4	32.1	40.4
Saudi Arabia	525	12.4	0.6	0.4	74.1	12.4	12.4	0.2	10.4	14.6
Singapore	871	83.8	2.2	0.2	13.2	83.8	0.5	0.1	84.1	83.6
Slovenia	601	41.1	6.1	2.4	47.0	41.1	3.4	0.0	37.7	44.6
South Africa	1785	17.0	2.9	0.6	73.2	17.0	6.0	0.3	17.4	16.6
Sweden	594	55.1	7.9	2.3	26.9	55.1	6.7	1.1	53.2	57.0
Thailand	927	28.0	1.2	0.5	62.5	28.0	7.4	0.3	31.8	23.3
Turkey	879	44.9	3.5	1.3	42.4	44.9	7.9	0.0	46.9	43.1
United Arab Emirates	2573	42.8	2.4	1.0	50.1	42.8	3.4	0.3	42.5	43.1
United States	1476	49.5	2.0	0.8	46.2	49.5	1.3	0.3	47.8	51.0
International Avg (n=39)	35905	40.3	2.7	0.9	47.5	40.3	8.3	0.3	39.1	41.3
Buenos Aires, Argentina	448	14.8	3.4	1.6	37.3	14.8	36.4	6.4	13.0	16.8
Ontario, Canada	654	64.0	3.5	2.0	27.8	64.0	2.1	0.7	61.4	66.3
Quebec, Canada	573	46.3	8.8	2.9	38.0	46.3	3.7	0.2	39.5	54.3
Norway (8)	686	70.1	4.4	1.4	18.7	70.1	5.5	0.0	68.6	71.7
Abu Dhabi, UAE	687	37.7	2.2	0.2	55.6	37.7	4.1	0.3	40.4	35.2
Dubai, UAE	884	56.0	1.7	1.9	37.8	56.0	2.4	0.2	55.1	56.9
Florida, US	296	48.8	1.6	0.5	44.8	48.8	4.0	0.3	39.9	57.4

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.

M05_04 (M042023): Number / Applying Type: CR 1 Point
Label: Which is larger 7/12 or 2/3

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	30.6	66.0	30.6	2.7	0.7	29.2	31.9
Bahrain	707	33.8	57.9	33.8	8.4	0.0	41.8	26.3
Botswana	836	11.0	84.7	11.0	4.3	0.0	13.8	7.9
Canada	1265	59.6	37.2	59.6	2.7	0.6	59.2	59.9
Chile	673	7.5	70.9	7.5	21.4	0.3	7.0	8.0
Chinese Taipei	804	76.2	22.0	76.2	1.8	0.0	76.7	75.6
Egypt	1102	14.1	72.0	14.1	13.4	0.5	15.1	13.1
England	697	40.6	53.4	40.6	5.8	0.3	43.1	37.9
Georgia	574	20.8	67.7	20.8	11.1	0.4	18.8	22.6
Hong Kong SAR	587	74.9	23.6	74.9	1.4	0.1	74.7	75.2
Hungary	704	38.4	49.4	38.4	12.2	0.0	38.8	37.9
Iran, Islamic Rep. of	882	33.9	57.4	33.9	8.2	0.4	41.2	27.0
Ireland	673	56.1	42.3	56.1	1.7	0.0	54.5	57.6
Israel	782	38.5	53.9	38.5	7.2	0.4	32.9	44.4
Italy	627	16.1	73.0	16.1	10.9	0.0	15.6	16.5
Japan	673	59.7	34.8	59.7	5.4	0.1	64.1	54.6
Jordan	1120	24.9	65.7	24.9	9.1	0.2	32.2	17.5
Kazakhstan	688	41.6	50.7	41.6	7.6	0.1	46.3	36.6
Korea, Rep. of	759	83.0	15.6	83.0	1.4	0.0	84.3	81.8
Kuwait	598	24.8	61.7	24.8	12.8	0.7	25.4	24.2
Lebanon	553	35.7	49.1	35.7	12.4	2.8	38.6	32.3
Lithuania	628	31.9	60.6	31.9	7.5	0.0	31.5	32.4
Malaysia	1377	37.4	53.4	37.4	9.1	0.0	39.7	35.2
Malta	549	54.1	40.6	54.1	5.4	0.0	55.5	52.6
Morocco	1866	24.7	65.6	24.7	9.5	0.2	28.4	21.6
New Zealand	1125	32.3	64.4	32.3	3.2	0.1	32.1	32.6
Norway	663	34.1	61.7	34.1	3.6	0.6	31.4	37.0
Oman	1264	23.1	68.5	23.1	8.3	0.1	27.6	18.9
Qatar	767	37.8	53.2	37.8	7.8	1.2	39.1	36.5
Russian Federation	681	48.5	44.7	48.5	6.4	0.4	48.9	48.3
Saudi Arabia	525	13.7	78.5	13.7	7.7	0.2	17.3	9.9
Singapore	871	78.1	21.2	78.1	0.6	0.1	80.1	76.4
Slovenia	601	43.8	52.1	43.8	4.1	0.0	45.8	41.7
South Africa	1785	7.4	87.3	7.4	4.9	0.4	8.5	6.3
Sweden	593	31.1	63.3	31.1	4.5	1.1	27.8	33.8
Thailand	927	19.5	55.2	19.5	25.0	0.3	23.9	14.1
Turkey	879	28.9	62.7	28.9	8.4	0.1	32.6	25.5
United Arab Emirates	2573	42.1	52.7	42.1	4.9	0.3	45.9	38.5
United States	1476	45.9	52.6	45.9	1.2	0.3	45.6	46.0
International Avg (n=39)	35907	37.3	55.1	37.3	7.3	0.3	38.8	35.8
Buenos Aires, Argentina	448	12.1	58.2	12.1	23.3	6.4	11.1	13.2
Ontario, Canada	654	55.5	40.8	55.5	3.0	0.7	54.0	56.9
Quebec, Canada	573	70.8	26.2	70.8	2.6	0.5	70.3	71.3
Norway (8)	686	29.7	64.8	29.7	5.5	0.0	29.2	30.2
Abu Dhabi, UAE	687	31.8	62.9	31.8	5.0	0.3	35.1	28.7
Dubai, UAE	884	54.5	42.3	54.5	3.1	0.2	53.7	55.3
Florida, US	296	38.2	58.5	38.2	3.0	0.3	33.1	43.0

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.

M05_05 (M042197): Algebra / Reasoning Type: CR 1 Point
Label: Rule to get terms in the pattern

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	28.7	0.8	51.8	28.7	17.9	0.7	28.4	29.1
Bahrain	707	24.1	1.1	57.4	24.1	17.4	0.0	25.1	23.1
Botswana	836	5.0	0.0	84.4	5.0	10.6	0.0	5.8	4.2
Canada	1265	27.0	3.5	52.7	27.0	16.0	0.8	24.7	29.2
Chile	673	7.1	0.3	51.6	7.1	40.7	0.4	6.2	8.0
Chinese Taipei	804	43.7	4.0	41.2	43.7	11.1	0.0	42.5	44.9
Egypt	1102	19.3	0.5	58.2	19.3	21.5	0.5	20.4	18.0
England	697	21.0	0.3	61.4	21.0	17.0	0.4	18.5	23.6
Georgia	574	19.0	0.2	33.5	19.0	46.8	0.4	18.9	19.2
Hong Kong SAR	587	48.2	2.0	39.7	48.2	10.0	0.1	44.7	51.3
Hungary	704	39.4	1.0	39.7	39.4	19.9	0.0	43.1	35.5
Iran, Islamic Rep. of	882	21.1	1.0	56.9	21.1	20.6	0.4	21.6	20.5
Ireland	673	32.4	2.3	52.7	32.4	12.5	0.0	31.3	33.5
Israel	782	27.0	0.6	42.8	27.0	28.9	0.6	25.4	28.8
Italy	625	16.6	0.6	48.9	16.6	33.9	0.0	14.8	18.3
Japan	673	47.8	3.3	39.1	47.8	9.7	0.1	45.5	50.4
Jordan	1120	21.3	0.4	55.6	21.3	22.5	0.2	24.6	17.8
Kazakhstan	688	38.2	1.5	38.3	38.2	21.8	0.2	42.1	34.1
Korea, Rep. of	759	57.6	5.9	31.0	57.6	5.5	0.0	56.9	58.1
Kuwait	598	13.5	0.8	52.4	13.5	32.2	1.0	12.0	15.0
Lebanon	553	19.7	1.1	32.9	19.7	43.3	2.9	23.8	15.1
Lithuania	628	26.1	3.2	38.0	26.1	32.7	0.0	21.7	30.6
Malaysia	1377	9.9	0.3	66.9	9.9	22.8	0.0	10.3	9.6
Malta	549	21.4	0.9	53.2	21.4	24.3	0.2	19.9	22.9
Morocco	1866	8.2	0.2	46.8	8.2	44.6	0.2	7.1	9.1
New Zealand	1125	24.8	1.0	57.9	24.8	16.2	0.1	23.2	26.3
Norway	663	33.4	1.2	45.5	33.4	19.3	0.6	33.2	33.7
Oman	1264	17.0	1.3	61.2	17.0	20.4	0.1	19.8	14.3
Qatar	767	16.0	1.3	61.4	16.0	20.1	1.2	14.5	17.5
Russian Federation	681	36.3	1.1	32.5	36.3	29.6	0.4	33.8	38.8
Saudi Arabia	525	10.9	0.4	64.6	10.9	23.9	0.2	11.4	10.3
Singapore	871	42.7	3.7	47.9	42.7	5.5	0.2	46.8	39.3
Slovenia	601	25.5	2.3	45.9	25.5	26.4	0.0	25.1	25.9
South Africa	1785	8.0	0.0	81.9	8.0	9.6	0.4	8.3	7.8
Sweden	595	23.5	1.7	49.8	23.5	23.9	1.1	23.2	23.8
Thailand	927	18.8	0.4	50.7	18.8	29.5	0.5	17.5	20.4
Turkey	879	21.7	0.3	60.5	21.7	17.4	0.1	23.9	19.7
United Arab Emirates	2573	29.0	2.0	54.4	29.0	14.3	0.3	30.9	27.2
United States	1476	44.0	1.5	48.9	44.0	5.2	0.3	43.6	44.3
International Avg (n=39)	35907	25.5	1.4	51.0	25.5	21.7	0.4	25.4	25.6
Buenos Aires, Argentina	448	3.3	0.2	33.1	3.3	56.6	6.8	3.5	3.2
Ontario, Canada	654	32.3	3.8	50.3	32.3	12.6	1.0	31.2	33.3
Quebec, Canada	573	15.7	3.5	56.5	15.7	23.9	0.5	12.2	19.7
Norway (8)	686	24.8	1.3	50.7	24.8	23.2	0.0	25.5	24.0
Abu Dhabi, UAE	687	23.9	1.2	60.4	23.9	14.2	0.3	23.6	24.1
Dubai, UAE	884	37.6	2.5	46.9	37.6	12.7	0.2	40.0	35.2
Florida, US	296	42.2	1.1	49.5	42.2	6.9	0.3	36.6	47.6

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.

M05_06 (M042234): Algebra / Knowing Type: MC Key: C
Label: What is the value of x

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	56.3	14.2	8.7	56.3	17.5	2.6	0.7	55.6	57.0
Bahrain	707	62.7	9.9	8.0	62.7	18.6	0.8	0.0	62.2	63.1
Botswana	838	29.1	24.7	24.0	29.1	19.0	3.1	0.0	26.6	31.9
Canada	1265	63.9	11.3	6.2	63.9	15.6	2.1	0.9	61.4	66.3
Chile	673	30.5	17.4	18.7	30.5	25.7	7.2	0.6	30.1	30.8
Chinese Taipei	804	72.1	9.2	2.2	72.1	16.1	0.4	0.0	75.7	68.5
Egypt	1102	34.5	14.1	15.2	34.5	33.5	2.1	0.6	32.8	36.4
England	697	57.8	12.4	5.2	57.8	20.2	4.0	0.4	57.7	57.8
Georgia	574	54.7	15.6	5.7	54.7	22.0	1.6	0.4	51.6	57.5
Hong Kong SAR	587	86.0	2.9	1.0	86.0	9.8	0.2	0.1	83.8	87.9
Hungary	704	52.6	16.7	4.6	52.6	25.5	0.6	0.0	54.6	50.6
Iran, Islamic Rep. of	882	40.1	23.6	12.3	40.1	19.8	3.9	0.4	40.5	39.7
Ireland	673	55.4	24.1	4.9	55.4	13.3	2.4	0.0	53.6	57.2
Israel	782	67.1	9.1	5.1	67.1	14.9	3.1	0.6	66.6	67.7
Italy	627	30.4	22.1	7.1	30.4	35.6	4.7	0.0	25.9	34.6
Japan	673	65.2	9.0	3.5	65.2	21.1	1.1	0.1	65.8	64.5
Jordan	1120	36.1	12.5	10.0	36.1	38.0	3.1	0.4	36.3	35.8
Kazakhstan	687	68.6	15.7	5.0	68.6	10.1	0.4	0.2	71.3	65.7
Korea, Rep. of	759	76.7	5.0	1.4	76.7	16.8	0.2	0.0	77.6	75.9
Kuwait	599	33.5	16.6	18.3	33.5	27.0	3.3	1.3	31.5	35.4
Lebanon	553	33.8	9.5	3.1	33.8	39.9	10.6	3.1	34.0	33.6
Lithuania	628	53.6	19.3	4.1	53.6	21.9	1.1	0.0	52.5	54.7
Malaysia	1377	48.6	18.1	13.1	48.6	17.7	2.5	0.1	50.5	46.7
Malta	549	56.4	14.7	8.8	56.4	17.6	2.3	0.2	57.7	55.1
Morocco	1852	25.6	18.3	9.6	25.6	42.4	3.8	0.2	23.2	27.5
New Zealand	1125	50.1	19.4	8.3	50.1	18.4	3.6	0.3	47.2	52.9
Norway	663	50.4	14.9	8.1	50.4	20.6	5.4	0.6	51.7	48.9
Oman	1262	35.8	17.8	17.2	35.8	26.0	3.0	0.1	39.4	32.4
Qatar	767	45.3	18.1	11.7	45.3	21.0	2.5	1.5	43.7	47.0
Russian Federation	681	73.1	11.9	2.7	73.1	9.6	2.3	0.4	77.0	69.4
Saudi Arabia	525	30.8	22.1	18.3	30.8	26.1	2.4	0.2	29.3	32.5
Singapore	872	88.2	2.3	2.6	88.2	6.1	0.6	0.2	90.6	86.1
Slovenia	602	57.7	17.6	3.5	57.7	17.0	4.2	0.0	54.2	61.3
South Africa	1785	28.7	22.4	19.5	28.7	26.6	2.4	0.4	27.7	29.7
Sweden	596	53.5	12.2	4.7	53.5	20.5	7.8	1.2	49.3	57.0
Thailand	927	41.1	22.3	12.5	41.1	20.9	2.8	0.5	44.0	37.5
Turkey	879	36.1	23.4	10.1	36.1	28.6	1.8	0.1	36.7	35.5
United Arab Emirates	2573	56.5	14.8	7.1	56.5	19.1	2.0	0.4	57.6	55.4
United States	1476	72.8	10.8	3.7	72.8	10.6	1.7	0.4	73.2	72.3
International Avg (n=39)	35898	51.6	15.3	8.6	51.6	21.3	2.8	0.4	51.3	51.8
Buenos Aires, Argentina	448	30.1	18.9	7.2	30.1	21.8	14.3	7.7	23.0	37.1
Ontario, Canada	654	62.4	12.6	6.3	62.4	15.9	1.6	1.3	58.3	66.2
Quebec, Canada	573	69.5	6.4	5.1	69.5	14.9	3.6	0.5	70.2	68.8
Norway (8)	686	36.6	20.4	13.0	36.6	23.9	6.0	0.1	35.6	37.7
Abu Dhabi, UAE	687	50.3	15.9	9.2	50.3	21.3	2.9	0.5	49.9	50.6
Dubai, UAE	884	67.5	9.4	4.8	67.5	16.9	1.2	0.2	69.0	66.0
Florida, US	296	65.4	14.0	5.6	65.4	13.1	1.7	0.3	61.8	68.9

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

M05_07 (M042066): Algebra / Reasoning Type: CR 1 Point
Label: Missing term in the sequence

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	53.5	5.8	32.1	53.5	8.0	0.7	52.4	54.6
Bahrain	707	32.8	7.8	51.6	32.8	7.8	0.0	31.8	33.7
Botswana	836	37.8	8.7	50.1	37.8	3.3	0.1	40.5	34.8
Canada	1265	48.0	7.4	34.4	48.0	9.1	1.1	46.0	49.9
Chile	673	30.4	4.2	37.3	30.4	27.4	0.8	27.8	33.1
Chinese Taipei	804	70.9	3.9	20.3	70.9	4.8	0.0	70.9	71.0
Egypt	1102	43.8	3.7	42.4	43.8	9.5	0.6	42.5	45.2
England	697	49.6	6.4	33.9	49.6	9.4	0.6	48.4	50.9
Georgia	574	43.3	0.9	35.2	43.3	19.9	0.7	42.8	43.7
Hong Kong SAR	587	68.0	6.8	21.6	68.0	3.5	0.1	66.8	69.1
Hungary	704	57.4	3.5	25.1	57.4	14.0	0.0	59.9	54.7
Iran, Islamic Rep. of	882	29.8	5.4	45.6	29.8	18.7	0.5	31.9	27.7
Ireland	673	55.8	9.6	28.2	55.8	6.4	0.0	56.2	55.4
Israel	782	48.6	4.5	30.0	48.6	16.0	0.8	47.9	49.4
Italy	627	46.6	4.4	30.6	46.6	18.3	0.0	43.2	49.8
Japan	673	62.7	1.4	24.6	62.7	11.2	0.1	61.7	63.7
Jordan	1120	26.1	4.3	55.7	26.1	13.4	0.5	25.3	27.0
Kazakhstan	687	61.8	1.2	29.5	61.8	7.3	0.2	66.4	56.9
Korea, Rep. of	759	71.4	4.5	18.9	71.4	5.2	0.0	68.4	74.1
Kuwait	598	21.4	6.8	56.6	21.4	13.8	1.3	18.6	24.3
Lebanon	553	25.9	3.3	31.5	25.9	36.0	3.4	23.8	28.3
Lithuania	628	54.5	3.5	29.5	54.5	12.6	0.0	55.9	53.0
Malaysia	1377	43.6	5.7	43.4	43.6	7.2	0.1	43.7	43.4
Malta	549	40.0	9.7	39.8	40.0	10.3	0.2	38.5	41.5
Morocco	1851	21.2	6.3	51.3	21.2	20.9	0.2	21.8	20.7
New Zealand	1125	49.3	7.0	33.6	49.3	9.7	0.5	47.9	50.7
Norway	663	55.3	5.5	25.8	55.3	12.8	0.6	54.6	56.1
Oman	1216	29.5	6.8	57.1	29.5	6.4	0.1	27.9	30.9
Qatar	767	33.1	8.0	44.8	33.1	12.7	1.5	32.1	34.2
Russian Federation	681	55.4	3.0	27.2	55.4	14.0	0.4	54.3	56.5
Saudi Arabia	525	20.6	7.7	65.1	20.6	6.3	0.2	21.9	19.4
Singapore	872	61.8	8.5	27.6	61.8	2.0	0.2	59.0	64.2
Slovenia	601	47.6	3.2	35.4	47.6	13.8	0.1	48.1	47.0
South Africa	1785	30.1	10.0	54.3	30.1	5.2	0.4	29.6	30.5
Sweden	596	51.2	5.5	31.0	51.2	11.1	1.2	54.3	48.6
Thailand	927	37.8	8.6	48.2	37.8	4.9	0.5	37.3	38.3
Turkey	879	67.4	4.7	24.2	67.4	3.6	0.1	72.8	62.5
United Arab Emirates	2573	44.2	7.4	40.5	44.2	7.5	0.4	44.4	43.9
United States	1476	46.5	9.1	39.4	46.5	4.5	0.5	44.9	47.9
International Avg (n=39)	35847	45.5	5.8	37.3	45.5	11.0	0.5	45.2	45.8
Buenos Aires, Argentina	448	20.3	3.1	30.1	20.3	38.8	7.7	14.8	25.8
Ontario, Canada	654	50.8	7.8	31.7	50.8	8.2	1.5	49.1	52.4
Quebec, Canada	573	43.1	6.7	37.4	43.1	12.4	0.5	41.8	44.6
Norway (8)	686	49.0	5.5	31.6	49.0	13.8	0.1	47.1	51.1
Abu Dhabi, UAE	687	39.1	7.6	46.0	39.1	6.8	0.5	39.2	39.0
Dubai, UAE	884	53.9	6.9	32.7	53.9	6.3	0.2	51.7	56.1
Florida, US	296	42.4	6.6	44.6	42.4	6.1	0.3	44.7	40.2

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.

M05_08 (M042243): Algebra / Knowing Type: MC Key: A
Label: Which equation is satisfied

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	51.1	51.1	13.6	13.0	18.8	2.8	0.8	54.3	47.6
Bahrain	707	51.9	51.9	12.5	13.2	21.0	1.3	0.0	54.7	49.3
Botswana	836	16.7	16.7	20.4	18.0	42.6	2.2	0.1	16.2	17.2
Canada	1262	54.8	54.8	9.9	15.0	15.9	3.1	1.4	53.1	56.6
Chile	673	18.3	18.3	22.3	21.9	28.6	7.8	1.0	17.2	19.5
Chinese Taipei	804	79.9	79.9	6.4	6.4	6.4	0.8	0.0	79.6	80.3
Egypt	1102	25.6	25.6	28.9	18.6	23.1	3.2	0.6	24.7	26.5
England	697	53.9	53.9	10.2	15.0	14.5	5.8	0.6	54.9	52.8
Georgia	574	48.8	48.8	11.7	12.4	24.9	1.3	0.9	45.5	51.8
Hong Kong SAR	587	84.4	84.4	4.6	5.5	5.3	0.0	0.1	85.0	83.8
Hungary	704	46.8	46.8	9.8	16.5	24.8	2.0	0.0	48.7	44.8
Iran, Islamic Rep. of	882	36.9	36.9	12.2	19.6	27.3	3.2	0.8	36.9	36.9
Ireland	673	52.0	52.0	14.3	12.1	17.9	3.7	0.0	54.1	49.9
Israel	782	50.1	50.1	12.8	11.3	20.7	4.3	0.8	49.2	51.1
Italy	627	30.6	30.6	13.1	19.1	29.8	7.0	0.3	27.8	33.3
Japan	673	68.5	68.5	10.2	11.8	7.5	1.9	0.1	73.7	62.6
Jordan	1120	35.7	35.7	20.9	16.6	23.2	3.1	0.5	39.2	32.0
Kazakhstan	687	57.2	57.2	19.0	7.9	14.3	1.5	0.2	59.0	55.2
Korea, Rep. of	759	81.5	81.5	5.1	5.8	7.5	0.0	0.0	81.4	81.6
Kuwait	599	23.9	23.9	29.0	15.8	24.2	5.7	1.3	21.3	26.5
Lebanon	553	29.9	29.9	26.3	11.0	15.1	13.9	3.7	32.8	26.4
Lithuania	628	43.1	43.1	16.1	14.9	23.7	2.0	0.2	40.1	46.1
Malaysia	1377	35.0	35.0	16.5	15.3	29.7	3.1	0.4	38.1	32.1
Malta	549	43.0	43.0	19.3	15.2	20.3	2.1	0.2	44.4	41.5
Morocco	1853	17.1	17.1	27.3	21.7	29.4	4.3	0.2	17.6	16.7
New Zealand	1125	52.7	52.7	8.8	15.1	19.4	3.5	0.5	55.4	50.0
Norway	663	40.0	40.0	13.3	11.6	26.5	7.9	0.7	40.6	39.4
Oman	1263	32.9	32.9	12.5	18.9	32.7	2.8	0.2	38.7	27.3
Qatar	767	34.3	34.3	18.4	16.7	25.1	3.8	1.8	31.2	37.5
Russian Federation	681	63.2	63.2	12.9	8.0	12.9	2.6	0.4	62.8	63.6
Saudi Arabia	525	17.1	17.1	17.3	27.2	35.6	2.5	0.3	17.9	16.3
Singapore	872	77.2	77.2	7.4	8.2	6.2	0.8	0.2	77.4	77.1
Slovenia	602	49.8	49.8	8.7	10.3	20.1	11.0	0.1	53.9	45.6
South Africa	1785	17.8	17.8	27.3	20.6	31.8	1.9	0.5	18.4	17.3
Sweden	596	54.1	54.1	8.4	12.5	18.0	5.9	1.2	59.0	49.6
Thailand	927	24.4	24.4	18.0	22.3	31.2	3.6	0.5	26.0	22.5
Turkey	879	39.6	39.6	13.0	19.3	27.1	1.0	0.1	43.3	36.2
United Arab Emirates	2573	46.8	46.8	14.6	14.5	21.3	2.4	0.6	50.3	43.3
United States	1476	57.1	57.1	10.4	13.2	17.1	1.7	0.5	59.5	54.8
International Avg (n=39)	35895	44.7	44.7	15.0	14.7	21.6	3.5	0.6	45.7	43.7
Buenos Aires, Argentina	448	11.2	11.2	14.8	17.4	15.4	32.1	9.1	10.9	11.7
Ontario, Canada	653	58.3	58.3	8.0	15.6	13.3	3.1	1.7	56.2	60.3
Quebec, Canada	571	48.9	48.9	12.8	14.7	18.7	3.9	1.0	48.4	49.5
Norway (8)	686	27.3	27.3	19.9	19.5	23.2	9.9	0.2	25.1	29.8
Abu Dhabi, UAE	687	40.2	40.2	14.1	17.1	26.3	1.8	0.5	44.5	36.3
Dubai, UAE	884	59.6	59.6	13.6	9.5	15.2	1.8	0.2	62.3	56.9
Florida, US	296	45.7	45.7	17.7	16.8	18.8	0.8	0.3	43.3	47.9

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

M05_09 (M042248): Algebra / Knowing Type: CR 1 Point
Label: What is the value of n

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	30.9	8.0	50.3	30.9	9.9	0.9	32.5	29.2
Bahrain	707	20.3	4.9	63.9	20.3	10.9	0.0	23.6	17.3
Botswana	839	6.2	3.2	84.7	6.2	5.9	0.1	6.0	6.5
Canada	1265	38.9	12.8	39.6	38.9	7.3	1.4	40.1	37.8
Chile	673	6.3	6.6	53.5	6.3	32.4	1.2	5.7	6.8
Chinese Taipei	804	65.3	2.5	25.1	65.3	7.1	0.0	65.4	65.1
Egypt	1102	18.8	4.8	62.9	18.8	12.9	0.7	18.7	18.9
England	697	36.4	8.7	44.5	36.4	9.6	0.9	36.7	36.0
Georgia	574	24.8	2.9	49.8	24.8	21.4	1.0	26.2	23.6
Hong Kong SAR	587	68.6	3.1	25.9	68.6	2.3	0.1	66.2	70.7
Hungary	704	24.4	8.9	52.6	24.4	14.2	0.0	26.0	22.6
Iran, Islamic Rep. of	883	22.5	9.4	53.1	22.5	14.0	1.0	23.3	21.7
Ireland	673	32.9	11.3	46.0	32.9	9.8	0.0	29.8	36.0
Israel	782	38.7	8.6	36.2	38.7	15.7	0.8	40.1	37.2
Italy	627	17.4	9.6	53.0	17.4	19.6	0.3	17.8	17.0
Japan	673	41.3	2.5	47.4	41.3	8.7	0.1	42.1	40.4
Jordan	1120	12.4	0.9	75.1	12.4	10.9	0.6	15.1	9.7
Kazakhstan	688	60.8	1.9	31.1	60.8	6.0	0.2	63.4	58.0
Korea, Rep. of	759	68.0	3.0	26.2	68.0	2.9	0.0	69.4	66.7
Kuwait	598	11.7	3.9	64.7	11.7	18.3	1.3	11.8	11.7
Lebanon	553	27.5	4.6	41.2	27.5	22.7	4.0	27.5	27.5
Lithuania	628	19.7	3.7	59.2	19.7	17.3	0.2	18.9	20.4
Malaysia	1376	20.7	6.9	57.9	20.7	14.1	0.4	22.5	18.9
Malta	549	25.2	7.6	56.0	25.2	11.0	0.2	24.1	26.3
Morocco	1874	9.0	5.7	62.3	9.0	22.7	0.3	10.4	7.9
New Zealand	1125	31.3	8.3	49.3	31.3	10.6	0.5	31.4	31.2
Norway	663	22.9	10.5	49.9	22.9	15.9	0.8	21.3	24.8
Oman	1264	20.6	2.9	66.8	20.6	9.5	0.2	25.5	15.8
Qatar	767	27.1	5.8	54.1	27.1	11.1	2.0	28.5	25.5
Russian Federation	681	46.1	4.4	36.0	46.1	13.0	0.4	47.6	44.7
Saudi Arabia	524	11.9	4.1	73.1	11.9	10.5	0.3	15.5	8.3
Singapore	872	75.8	6.2	16.7	75.8	1.1	0.2	75.6	76.0
Slovenia	601	29.5	9.9	50.5	29.5	10.1	0.1	31.7	27.2
South Africa	1785	4.6	2.1	87.8	4.6	4.9	0.5	5.8	3.4
Sweden	596	28.3	8.1	48.4	28.3	13.7	1.5	24.8	31.4
Thailand	927	13.5	2.0	71.1	13.5	12.6	0.9	14.7	12.0
Turkey	879	29.2	4.8	56.1	29.2	9.9	0.1	33.0	25.7
United Arab Emirates	2573	32.9	6.6	53.4	32.9	6.4	0.7	36.9	29.1
United States	1476	42.0	8.8	46.0	42.0	2.7	0.5	43.6	40.7
International Avg (n=39)	35921	29.9	5.9	51.8	29.9	11.8	0.6	30.7	29.0
Buenos Aires, Argentina	448	6.5	5.6	39.3	6.5	38.8	9.7	6.0	7.1
Ontario, Canada	654	36.0	11.5	43.4	36.0	7.3	1.7	37.0	35.2
Quebec, Canada	573	47.0	13.5	30.0	47.0	8.3	1.1	48.4	45.4
Norway (8)	686	13.3	14.7	56.3	13.3	15.5	0.2	11.5	15.4
Abu Dhabi, UAE	687	26.5	4.9	61.6	26.5	6.5	0.5	32.0	21.4
Dubai, UAE	884	45.8	7.6	41.8	45.8	4.5	0.3	47.3	44.4
Florida, US	296	40.0	5.1	51.0	40.0	3.5	0.3	34.6	45.2

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.

M05_10A (M042229A): Algebra / Applying Type: CR 1 Point
Label: Write an equation to find x

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	12.8	7.6	51.5	12.8	26.9	1.2	13.0	12.6
Bahrain	707	14.3	6.9	58.8	14.3	19.9	0.1	17.5	11.3
Botswana	839	6.3	5.3	80.2	6.3	7.9	0.3	7.3	5.2
Canada	1265	30.5	8.3	42.3	30.5	17.4	1.6	31.1	29.8
Chile	673	10.7	3.7	38.8	10.7	44.8	1.9	10.7	10.7
Chinese Taipei	804	72.7	2.9	9.2	72.7	15.2	0.1	75.4	70.0
Egypt	1102	15.6	1.3	62.6	15.6	19.8	0.7	13.9	17.5
England	697	16.6	3.6	50.2	16.6	28.7	0.9	19.6	13.3
Georgia	574	39.7	0.5	27.7	39.7	29.7	2.4	42.3	37.4
Hong Kong SAR	587	74.9	0.6	17.6	74.9	6.8	0.1	74.8	74.9
Hungary	704	48.6	6.1	22.9	48.6	22.3	0.0	52.1	44.9
Iran, Islamic Rep. of	883	24.6	3.2	41.6	24.6	29.2	1.4	26.7	22.6
Ireland	673	29.5	6.0	38.4	29.5	26.1	0.0	32.6	26.5
Israel	782	52.7	4.0	24.5	52.7	17.6	1.3	56.0	49.1
Italy	627	16.5	2.5	39.9	16.5	40.8	0.3	18.1	14.9
Japan	673	49.2	3.4	30.6	49.2	16.7	0.1	53.0	44.8
Jordan	1120	12.8	3.3	64.8	12.8	18.5	0.7	18.1	7.3
Kazakhstan	688	55.9	0.3	29.0	55.9	14.1	0.6	58.9	52.8
Korea, Rep. of	759	76.1	3.5	14.7	76.1	5.7	0.0	79.5	73.0
Kuwait	598	5.8	0.2	65.7	5.8	26.6	1.7	3.7	7.9
Lebanon	553	29.5	2.0	35.0	29.5	29.4	4.1	32.9	25.5
Lithuania	628	47.1	7.9	22.5	47.1	22.1	0.3	51.4	42.8
Malaysia	1377	14.7	3.9	60.7	14.7	20.3	0.5	16.4	13.1
Malta	549	35.7	8.4	34.7	35.7	20.7	0.4	42.4	29.2
Morocco	1874	13.3	1.5	55.6	13.3	29.1	0.5	15.0	11.9
New Zealand	1125	10.8	3.7	58.0	10.8	26.8	0.7	10.9	10.8
Norway	663	17.5	4.0	39.0	17.5	38.8	0.8	18.6	16.2
Oman	1264	20.8	11.6	54.7	20.8	12.6	0.3	26.9	15.1
Qatar	767	20.0	2.4	55.9	20.0	19.5	2.2	20.4	19.5
Russian Federation	681	60.3	2.6	18.8	60.3	17.7	0.5	64.4	56.5
Saudi Arabia	523	3.2	3.8	71.6	3.2	21.1	0.3	3.9	2.5
Singapore	872	70.3	3.6	23.1	70.3	2.7	0.2	75.5	65.9
Slovenia	601	12.4	5.3	52.0	12.4	30.1	0.1	15.1	9.7
South Africa	1785	4.9	0.2	84.4	4.9	9.8	0.6	7.2	2.7
Sweden	596	33.5	12.9	25.5	33.5	25.7	2.4	33.4	33.8
Thailand	927	13.0	2.5	58.1	13.0	25.4	1.0	15.0	10.6
Turkey	879	24.0	4.4	42.6	24.0	29.0	0.1	30.0	18.6
United Arab Emirates	2572	17.8	3.7	62.5	17.8	15.1	0.9	18.8	16.9
United States	1476	32.4	5.9	54.7	32.4	6.4	0.6	35.2	29.7
International Avg (n=39)	35920	29.4	4.2	44.1	29.4	21.5	0.8	31.7	27.1
Buenos Aires, Argentina	448	24.4	0.3	21.0	24.4	43.3	11.0	28.6	19.9
Ontario, Canada	654	19.3	6.9	51.2	19.3	20.7	1.9	17.6	20.8
Quebec, Canada	573	55.7	8.6	23.4	55.7	11.2	1.2	58.3	52.6
Norway (8)	686	6.3	3.1	44.7	6.3	45.6	0.3	5.5	7.2
Abu Dhabi, UAE	687	12.6	5.1	63.9	12.6	17.8	0.6	12.5	12.7
Dubai, UAE	884	28.0	2.7	56.4	28.0	12.6	0.5	29.1	26.8
Florida, US	296	29.4	5.7	54.3	29.4	10.0	0.8	25.8	32.8

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.

M05_10B (M042229B): Algebra / Knowing Type: CR 1 Point
Label: Length of longest side of triangle

COUNTRY	N	10 %	70 %	71 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	26.9	5.3	1.5	39.9	26.9	25.2	1.2	26.3	27.6
Bahrain	707	15.1	1.9	2.4	61.1	15.1	19.4	0.1	17.4	12.9
Botswana	839	2.9	3.6	0.0	85.4	2.9	7.8	0.3	2.8	3.0
Canada	1265	38.2	3.3	1.4	37.3	38.2	18.3	1.6	36.6	39.7
Chile	673	9.1	1.8	0.4	41.8	9.1	45.1	1.9	7.3	10.8
Chinese Taipei	804	68.8	3.9	1.1	15.7	68.8	10.3	0.1	70.7	67.0
Egypt	1102	11.9	4.3	1.0	63.8	11.9	18.3	0.7	11.3	12.6
England	697	29.6	2.2	2.3	37.0	29.6	28.0	0.9	32.1	27.0
Georgia	574	29.5	7.4	1.0	27.6	29.5	32.2	2.4	29.7	29.4
Hong Kong SAR	587	65.9	6.9	0.4	19.9	65.9	6.8	0.1	66.0	65.7
Hungary	704	41.2	5.2	0.7	30.8	41.2	22.1	0.0	43.4	38.7
Iran, Islamic Rep. of	883	17.9	3.3	0.7	44.6	17.9	32.2	1.4	19.3	16.6
Ireland	673	29.6	4.4	1.4	39.1	29.6	25.4	0.0	29.4	29.8
Israel	782	47.0	3.3	0.6	27.8	47.0	20.0	1.3	48.8	45.1
Italy	627	17.5	2.7	0.9	31.7	17.5	46.9	0.3	18.3	16.7
Japan	673	49.4	4.0	1.3	31.0	49.4	14.2	0.1	54.0	44.1
Jordan	1120	9.3	2.2	1.2	70.6	9.3	16.1	0.7	11.4	7.2
Kazakhstan	688	45.6	4.8	5.4	32.6	45.6	11.0	0.6	48.5	42.5
Korea, Rep. of	759	75.1	4.4	0.7	13.9	75.1	5.9	0.0	79.4	71.4
Kuwait	598	6.7	5.5	0.0	60.5	6.7	25.6	1.7	4.9	8.5
Lebanon	553	17.4	6.3	0.7	36.0	17.4	35.4	4.1	19.9	14.4
Lithuania	628	34.4	5.9	0.6	33.9	34.4	25.0	0.3	33.8	35.0
Malaysia	1377	15.2	3.1	0.7	60.0	15.2	20.5	0.5	14.6	15.8
Malta	549	31.5	4.8	2.1	39.4	31.5	21.7	0.4	34.9	28.3
Morocco	1874	5.2	1.5	0.0	63.6	5.2	29.2	0.5	6.5	4.1
New Zealand	1125	25.8	4.0	0.3	45.5	25.8	23.7	0.7	25.8	25.7
Norway	663	22.8	5.0	0.5	36.4	22.8	34.4	0.8	22.7	22.9
Oman	1264	14.2	5.7	0.8	64.7	14.2	14.3	0.3	17.9	10.7
Qatar	767	19.2	4.3	0.3	54.7	19.2	19.3	2.2	16.6	21.9
Russian Federation	681	50.8	6.7	0.0	20.6	50.8	21.3	0.5	52.7	49.0
Saudi Arabia	523	3.7	6.9	0.4	70.5	3.7	18.2	0.3	2.9	4.6
Singapore	872	74.8	4.2	1.1	16.8	74.8	2.8	0.2	76.8	73.1
Slovenia	601	22.8	6.0	2.6	39.6	22.8	29.0	0.1	26.7	18.8
South Africa	1785	2.8	3.9	0.4	84.6	2.8	7.6	0.6	3.8	1.9
Sweden	596	37.8	5.3	1.7	28.4	37.8	24.5	2.4	38.0	37.2
Thailand	927	10.5	4.6	0.3	60.6	10.5	23.0	1.0	11.4	9.5
Turkey	879	20.5	3.5	1.3	55.4	20.5	19.2	0.1	22.7	18.6
United Arab Emirates	2570	25.0	7.4	1.6	50.5	25.0	14.7	0.9	28.4	21.8
United States	1476	33.5	6.5	2.3	50.6	33.5	6.5	0.6	35.0	32.0
International Avg (n=39)	35918	28.3	4.5	1.1	44.2	28.3	21.1	0.8	29.5	27.2
Buenos Aires, Argentina	448	12.1	2.2	0.0	28.7	12.1	46.1	11.0	11.1	13.2
Ontario, Canada	654	33.4	2.7	1.5	39.1	33.4	21.4	1.9	30.0	36.5
Quebec, Canada	573	50.4	5.2	1.6	28.5	50.4	13.1	1.2	49.4	51.6
Norway (8)	686	14.8	3.5	0.8	43.6	14.8	37.0	0.3	14.3	15.4
Abu Dhabi, UAE	685	17.8	8.0	1.9	54.7	17.8	17.1	0.6	20.3	15.5
Dubai, UAE	884	39.1	7.5	1.5	38.8	39.1	12.6	0.5	44.4	33.8
Florida, US	296	29.6	5.9	0.7	52.6	29.6	10.5	0.8	24.7	34.4

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.

M05_10Z (M042229Z): Algebra / Applying Type: CR 2 Points
Label: Write an equation to find x (DERIVED)

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	10.6	18.6	47.7	29.1	10.6	22.0	1.2	10.4	10.8
Bahrain	707	9.8	9.7	63.7	19.6	9.8	16.6	0.1	10.7	9.0
Botswana	839	1.0	7.3	86.4	8.2	1.0	5.0	0.3	1.0	0.9
Canada	1265	23.9	20.9	38.0	44.8	23.9	15.7	1.6	23.6	24.2
Chile	673	6.2	7.3	44.0	13.5	6.2	40.6	1.9	5.3	7.2
Chinese Taipei	804	67.2	7.1	16.5	74.3	67.2	9.2	0.1	68.7	65.7
Egypt	1102	9.8	7.9	66.4	17.7	9.8	15.2	0.7	8.7	11.1
England	697	14.9	16.4	45.5	31.3	14.9	22.4	0.9	17.3	12.3
Georgia	574	28.6	12.2	31.0	40.7	28.6	25.9	2.4	28.9	28.3
Hong Kong SAR	587	61.8	17.2	15.1	79.0	61.8	5.8	0.1	60.2	63.2
Hungary	704	38.1	13.7	31.0	51.7	38.1	17.3	0.0	41.2	34.7
Iran, Islamic Rep. of	883	16.1	10.3	47.4	26.4	16.1	24.8	1.4	17.3	15.0
Ireland	673	23.4	12.3	44.8	35.7	23.4	19.4	0.0	24.5	22.4
Israel	782	43.3	13.2	26.3	56.4	43.3	16.0	1.3	45.6	40.8
Italy	627	10.1	13.8	39.3	23.9	10.1	36.5	0.3	12.0	8.3
Japan	673	40.7	17.2	30.7	57.9	40.7	11.3	0.1	45.0	35.7
Jordan	1120	7.2	7.7	72.2	14.9	7.2	12.2	0.7	10.3	4.0
Kazakhstan	688	40.8	19.9	30.4	60.7	40.8	8.3	0.6	44.1	37.4
Korea, Rep. of	759	68.8	13.6	13.1	82.4	68.8	4.5	0.0	73.1	65.0
Kuwait	598	3.7	5.1	68.4	8.8	3.7	21.1	1.7	2.5	4.9
Lebanon	553	14.8	17.3	36.2	32.1	14.8	27.6	4.1	18.0	11.1
Lithuania	628	31.5	18.5	31.3	50.0	31.5	18.4	0.3	31.9	31.1
Malaysia	1377	9.4	11.0	62.5	20.4	9.4	16.6	0.5	9.8	9.1
Malta	549	25.9	15.4	41.9	41.3	25.9	16.3	0.4	30.2	21.7
Morocco	1874	4.3	9.8	61.6	14.1	4.3	23.8	0.5	5.4	3.5
New Zealand	1125	8.4	19.9	51.2	28.2	8.4	19.8	0.7	7.8	8.9
Norway	663	13.2	13.8	42.3	27.1	13.2	29.8	0.8	13.4	13.0
Oman	1264	11.0	13.2	65.4	24.1	11.0	10.2	0.3	14.2	7.8
Qatar	767	15.1	8.9	57.4	24.0	15.1	16.3	2.2	14.0	16.3
Russian Federation	681	47.4	16.2	20.2	63.7	47.4	15.5	0.5	50.2	44.9
Saudi Arabia	523	1.8	3.4	78.2	5.2	1.8	16.4	0.3	1.7	1.8
Singapore	872	64.6	16.0	16.8	80.5	64.6	2.5	0.2	69.8	60.1
Slovenia	601	9.3	16.6	53.6	25.9	9.3	20.4	0.1	11.8	6.8
South Africa	1785	2.3	3.1	88.2	5.4	2.3	5.8	0.6	3.2	1.4
Sweden	596	27.4	16.4	33.3	43.9	27.4	20.4	2.4	28.3	26.8
Thailand	927	7.9	7.7	62.9	15.6	7.9	20.5	1.0	8.5	7.2
Turkey	879	17.6	9.4	56.2	27.0	17.6	16.8	0.1	20.5	14.9
United Arab Emirates	2569	13.2	16.4	57.3	29.7	13.2	12.2	0.9	13.5	12.9
United States	1476	25.3	15.4	52.4	40.6	25.3	6.4	0.6	26.6	23.9
International Avg (n=39)	35917	22.5	12.8	46.8	35.3	22.5	17.1	0.8	23.8	21.1
Buenos Aires, Argentina	448	11.5	13.6	26.6	25.0	11.5	37.4	11.0	10.5	12.6
Ontario, Canada	654	15.1	22.6	42.1	37.6	15.1	18.4	1.9	12.5	17.4
Quebec, Canada	573	44.1	17.8	26.0	61.9	44.1	10.8	1.2	45.1	43.0
Norway (8)	686	5.0	11.2	50.1	16.2	5.0	33.5	0.3	3.7	6.4
Abu Dhabi, UAE	685	7.2	16.1	61.3	23.3	7.2	14.9	0.6	5.3	8.9
Dubai, UAE	884	22.7	21.8	45.8	44.4	22.7	9.4	0.5	23.5	21.8
Florida, US	296	22.4	14.2	52.7	36.6	22.4	10.0	0.8	17.2	27.4

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.

M05_11A (M042080A): Algebra / Knowing Type: CR 1 Point
Label: What is a+b

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	31.3	0.4	54.8	31.3	12.2	1.3	29.5	33.2
Bahrain	707	34.5	1.2	49.7	34.5	14.5	0.1	39.5	29.8
Botswana	839	27.0	0.5	69.4	27.0	2.2	0.8	30.0	23.7
Canada	1265	37.6	0.6	42.3	37.6	17.5	2.1	35.7	39.5
Chile	673	29.2	0.2	37.1	29.2	30.8	2.7	31.3	27.0
Chinese Taipei	804	73.0	0.2	17.3	73.0	9.2	0.3	75.5	70.5
Egypt	1102	27.4	0.5	54.7	27.4	16.6	0.9	28.0	26.8
England	697	38.1	0.1	49.1	38.1	11.7	1.0	39.0	37.1
Georgia	574	31.1	0.1	40.8	31.1	25.6	2.4	33.6	28.9
Hong Kong SAR	587	70.7	0.4	25.8	70.7	3.0	0.1	69.0	72.2
Hungary	704	44.0	0.5	36.4	44.0	19.1	0.0	42.8	45.2
Iran, Islamic Rep. of	883	24.5	0.2	46.1	24.5	27.1	2.1	28.3	20.8
Ireland	673	43.7	0.6	48.3	43.7	7.2	0.2	43.0	44.4
Israel	782	32.5	0.6	43.6	32.5	21.6	1.7	33.9	30.9
Italy	627	26.6	0.1	38.2	26.6	34.6	0.4	28.6	24.8
Japan	673	67.3	0.1	20.4	67.3	11.8	0.3	70.4	63.9
Jordan	1120	25.0	0.2	59.5	25.0	14.1	1.2	28.8	21.0
Kazakhstan	687	58.7	0.0	30.9	58.7	9.2	1.1	60.4	57.0
Korea, Rep. of	759	67.7	0.0	23.5	67.7	8.8	0.0	70.6	65.1
Kuwait	597	16.5	0.3	56.2	16.5	25.1	1.9	18.3	14.6
Lebanon	553	42.0	0.5	39.0	42.0	14.2	4.3	43.4	40.4
Lithuania	628	26.6	0.1	57.4	26.6	15.4	0.5	26.1	27.1
Malaysia	1377	24.5	0.2	58.3	24.5	16.3	0.7	23.2	25.7
Malta	549	37.3	1.1	49.3	37.3	11.7	0.6	40.2	34.4
Morocco	1843	17.1	0.1	62.9	17.1	19.3	0.6	20.8	14.1
New Zealand	1125	34.3	0.0	51.5	34.3	13.3	0.9	33.0	35.5
Norway	663	27.0	1.2	50.8	27.0	20.0	1.0	23.9	30.3
Oman	1263	25.4	2.8	58.9	25.4	12.5	0.5	29.2	21.8
Qatar	767	33.9	2.6	51.2	33.9	9.9	2.5	34.0	33.7
Russian Federation	681	55.8	0.8	28.6	55.8	13.9	0.9	57.6	54.0
Saudi Arabia	525	30.5	0.4	50.5	30.5	18.3	0.3	37.1	23.6
Singapore	872	76.3	0.5	21.5	76.3	1.4	0.2	78.8	74.2
Slovenia	601	35.9	0.4	51.7	35.9	11.8	0.2	37.2	34.6
South Africa	1785	15.1	0.1	80.5	15.1	3.2	1.0	15.2	15.1
Sweden	595	39.3	0.4	44.9	39.3	12.9	2.6	37.2	41.1
Thailand	927	27.9	0.0	54.6	27.9	16.4	1.0	27.5	28.5
Turkey	879	32.8	0.7	47.5	32.8	18.9	0.2	35.9	30.0
United Arab Emirates	2573	41.8	1.0	47.1	41.8	9.2	0.9	45.7	37.9
United States	1476	46.2	0.7	47.1	46.2	5.1	0.9	46.2	46.1
International Avg (n=39)	35888	37.8	0.5	46.1	37.8	14.5	1.0	39.2	36.5
Buenos Aires, Argentina	448	13.1	0.3	28.3	13.1	46.0	12.3	14.8	11.4
Ontario, Canada	654	34.4	0.0	43.2	34.4	20.1	2.3	29.9	38.6
Quebec, Canada	573	44.2	1.8	39.5	44.2	12.4	2.1	45.4	42.8
Norway (8)	686	25.9	0.4	44.7	25.9	28.4	0.6	23.6	28.5
Abu Dhabi, UAE	687	34.3	1.0	52.6	34.3	11.4	0.7	37.4	31.5
Dubai, UAE	884	51.3	0.9	42.1	51.3	5.3	0.5	53.9	48.7
Florida, US	296	44.7	0.0	47.1	44.7	7.0	1.2	43.9	45.5

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.

M05_11B (M042080B): Algebra / Knowing Type: CR 1 Point
Label: What is a-b

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	4.0	31.8	48.2	4.0	14.8	1.3	3.4	4.7
Bahrain	707	8.7	26.7	49.8	8.7	14.6	0.1	11.6	6.1
Botswana	839	2.5	30.4	62.4	2.5	3.9	0.8	3.0	2.1
Canada	1265	5.8	30.3	42.4	5.8	19.3	2.2	4.6	6.9
Chile	673	1.9	27.6	33.3	1.9	34.5	2.7	1.7	2.1
Chinese Taipei	804	58.8	14.3	17.2	58.8	9.3	0.3	61.0	56.7
Egypt	1102	8.6	24.1	48.4	8.6	17.7	1.2	6.7	10.7
England	696	7.4	31.9	44.2	7.4	15.4	1.0	6.5	8.3
Georgia	574	11.3	21.2	36.4	11.3	28.7	2.4	11.0	11.5
Hong Kong SAR	587	40.0	26.5	28.9	40.0	4.4	0.1	39.6	40.3
Hungary	704	12.3	36.9	29.8	12.3	21.0	0.0	11.8	12.9
Iran, Islamic Rep. of	883	6.6	21.1	37.9	6.6	32.1	2.3	7.3	6.0
Ireland	673	7.2	40.4	42.6	7.2	9.6	0.3	4.5	9.9
Israel	782	6.8	27.7	39.6	6.8	24.3	1.7	4.7	9.1
Italy	625	7.2	22.1	32.2	7.2	38.1	0.4	8.7	5.9
Japan	673	46.7	15.3	25.2	46.7	12.5	0.3	49.0	44.1
Jordan	1120	7.9	20.1	53.8	7.9	16.9	1.4	8.2	7.6
Kazakhstan	687	45.2	10.7	32.4	45.2	10.6	1.1	47.8	42.3
Korea, Rep. of	759	51.3	19.3	19.8	51.3	9.6	0.0	51.6	51.0
Kuwait	596	5.3	8.0	57.8	5.3	26.8	2.1	5.5	5.2
Lebanon	553	24.9	21.4	33.5	24.9	15.4	4.9	28.3	20.9
Lithuania	628	5.7	31.2	41.2	5.7	21.4	0.5	5.4	6.1
Malaysia	1377	6.1	18.3	55.9	6.1	18.9	0.8	6.2	6.0
Malta	549	5.9	33.3	43.5	5.9	16.6	0.6	4.7	7.2
Morocco	1843	3.9	14.2	59.4	3.9	21.8	0.7	4.4	3.5
New Zealand	1125	5.5	33.2	44.7	5.5	15.4	1.1	4.2	6.8
Norway	663	5.8	24.6	43.8	5.8	24.5	1.4	4.4	7.3
Oman	1264	6.4	24.2	53.2	6.4	15.6	0.6	7.2	5.7
Qatar	767	11.0	26.3	47.9	11.0	11.9	2.8	10.7	11.4
Russian Federation	681	37.0	17.7	28.8	37.0	15.5	1.0	40.6	33.7
Saudi Arabia	525	2.9	23.9	53.2	2.9	19.7	0.3	2.8	3.0
Singapore	872	56.8	18.7	22.7	56.8	1.6	0.2	61.3	53.0
Slovenia	601	7.9	39.5	37.9	7.9	14.4	0.2	9.6	6.1
South Africa	1785	1.4	14.9	78.5	1.4	4.0	1.0	1.2	1.7
Sweden	596	6.1	35.4	39.2	6.1	15.8	3.5	3.6	8.4
Thailand	927	7.1	25.2	49.5	7.1	16.8	1.3	8.3	5.7
Turkey	879	7.2	27.6	44.6	7.2	20.4	0.2	8.4	6.2
United Arab Emirates	2573	14.2	28.4	45.7	14.2	10.8	0.9	15.6	12.8
United States	1476	10.0	39.7	44.3	10.0	4.9	1.1	8.7	11.3
International Avg (n=39)	35886	14.7	25.2	42.3	14.7	16.6	1.2	15.0	14.4
Buenos Aires, Argentina	448	0.9	10.9	26.1	0.9	49.6	12.6	0.5	1.3
Ontario, Canada	654	2.8	28.6	44.8	2.8	21.4	2.4	1.4	4.0
Quebec, Canada	573	12.2	35.2	35.6	12.2	14.8	2.2	10.9	13.7
Norway (8)	686	1.5	23.6	42.6	1.5	31.8	0.6	1.1	1.9
Abu Dhabi, UAE	687	7.6	25.8	52.8	7.6	13.1	0.7	6.5	8.6
Dubai, UAE	884	23.4	28.9	39.9	23.4	7.3	0.5	26.2	20.5
Florida, US	296	8.6	38.5	44.7	8.6	7.0	1.2	4.7	12.4

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.

M05_12 (M042120): Geometry / Knowing Type: MC Key: A
Label: Statement about Lines L and M

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	68.7	68.7	16.9	6.5	2.9	3.8	1.3	73.0	64.1
Bahrain	707	69.8	69.8	18.0	8.1	3.5	0.5	0.1	74.1	65.8
Botswana	839	46.7	46.7	33.1	10.6	5.2	3.3	1.0	45.0	48.6
Canada	1262	72.3	72.3	15.2	4.7	1.1	4.5	2.2	76.1	68.6
Chile	673	52.1	52.1	24.3	12.7	2.0	5.9	2.8	53.0	51.2
Chinese Taipei	804	78.7	78.7	13.6	5.0	1.8	0.6	0.3	82.9	74.5
Egypt	1102	47.7	47.7	25.4	14.0	7.0	4.7	1.2	51.7	43.2
England	697	71.2	71.2	15.6	4.0	2.6	5.4	1.1	74.7	67.6
Georgia	574	47.8	47.8	27.6	12.8	2.9	6.3	2.5	53.1	43.1
Hong Kong SAR	587	78.2	78.2	12.6	5.7	2.6	0.7	0.1	81.3	75.5
Hungary	704	75.4	75.4	15.5	4.5	0.5	4.1	0.0	78.7	71.8
Iran, Islamic Rep. of	883	64.8	64.8	16.4	8.1	3.5	4.7	2.5	70.6	59.3
Ireland	673	76.4	76.4	16.6	3.9	0.4	2.4	0.3	77.6	75.1
Israel	782	70.9	70.9	16.0	6.1	1.6	3.9	1.7	74.4	67.1
Italy	627	72.3	72.3	17.8	5.5	1.3	2.7	0.4	76.0	68.9
Japan	673	81.5	81.5	10.5	4.0	1.7	1.9	0.3	84.9	77.6
Jordan	1120	47.5	47.5	30.3	13.0	3.2	4.7	1.4	51.1	43.7
Kazakhstan	687	73.3	73.3	14.6	6.6	2.5	2.0	1.1	76.7	69.6
Korea, Rep. of	759	86.3	86.3	7.2	4.2	1.4	0.9	0.0	90.5	82.5
Kuwait	598	51.9	51.9	30.2	8.2	2.3	5.3	2.1	59.0	44.8
Lebanon	553	65.7	65.7	10.6	5.8	2.3	10.7	4.9	67.8	63.3
Lithuania	628	57.2	57.2	33.3	6.6	1.0	1.4	0.5	53.8	60.7
Malaysia	1377	56.5	56.5	27.9	8.0	3.5	3.3	0.8	57.7	55.5
Malta	548	63.1	63.1	21.6	8.3	3.1	3.1	0.8	67.5	58.9
Morocco	1843	59.3	59.3	25.0	8.0	3.3	3.6	0.7	62.0	57.1
New Zealand	1125	61.5	61.5	22.4	6.2	1.9	6.9	1.1	64.7	58.2
Norway	663	65.4	65.4	19.4	7.2	0.6	6.0	1.4	67.7	63.0
Oman	1264	55.8	55.8	27.6	9.2	3.8	3.1	0.6	59.3	52.5
Qatar	767	48.8	48.8	32.0	7.9	5.3	2.7	3.2	50.5	47.1
Russian Federation	681	78.3	78.3	13.6	2.3	0.1	4.7	1.0	82.4	74.5
Saudi Arabia	524	36.0	36.0	39.9	12.6	7.3	3.9	0.3	39.3	32.5
Singapore	872	86.5	86.5	8.7	2.7	0.7	1.2	0.2	88.5	84.7
Slovenia	602	84.7	84.7	7.7	3.5	0.4	3.5	0.2	87.3	82.0
South Africa	1785	51.0	51.0	30.8	10.5	4.2	2.4	1.0	52.5	49.5
Sweden	596	44.4	44.4	22.8	3.7	2.4	23.0	3.7	41.7	47.0
Thailand	927	49.8	49.8	34.1	8.8	2.5	3.4	1.3	53.4	45.5
Turkey	879	51.9	51.9	30.4	9.8	6.8	1.0	0.2	58.9	45.5
United Arab Emirates	2573	60.9	60.9	25.1	7.5	2.6	3.0	0.9	64.9	57.0
United States	1476	73.6	73.6	14.6	6.3	2.3	2.0	1.1	75.1	72.1
International Avg (n=39)	35887	63.7	63.7	21.2	7.3	2.7	4.0	1.2	66.7	60.8
Buenos Aires, Argentina	448	40.5	40.5	13.4	10.9	1.6	20.8	12.8	39.2	41.7
Ontario, Canada	654	72.0	72.0	15.1	5.1	1.2	4.1	2.4	74.3	70.0
Quebec, Canada	570	76.3	76.3	11.0	4.2	0.7	5.7	2.2	79.6	72.4
Norway (8)	686	61.2	61.2	20.9	8.7	1.6	7.0	0.6	62.4	59.9
Abu Dhabi, UAE	687	53.7	53.7	29.3	8.8	3.2	4.3	0.7	61.4	46.6
Dubai, UAE	884	71.0	71.0	20.4	5.0	1.5	1.7	0.5	68.5	73.7
Florida, US	296	62.4	62.4	17.2	12.2	2.9	4.1	1.2	63.5	61.3

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

M05_13 (M042203): Geometry / Applying Type: MC Key: C
Label: What is the value of x

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	51.4	9.6	25.7	51.4	9.5	2.3	1.5	51.7	51.1
Bahrain	707	56.6	18.4	16.0	56.6	8.3	0.5	0.2	56.8	56.4
Botswana	839	33.9	13.4	36.4	33.9	13.0	2.1	1.2	36.6	30.9
Canada	1265	63.1	7.1	19.3	63.1	5.8	2.1	2.6	63.8	62.4
Chile	672	30.8	19.6	33.4	30.8	9.0	3.8	3.4	28.1	33.7
Chinese Taipei	804	84.0	3.0	6.7	84.0	5.4	0.4	0.3	84.9	83.2
Egypt	1102	37.2	35.3	15.4	37.2	8.7	2.1	1.2	37.6	36.8
England	697	61.7	9.3	18.9	61.7	7.6	1.3	1.2	60.3	63.1
Georgia	574	53.6	17.2	15.6	53.6	9.0	1.7	3.0	48.9	57.8
Hong Kong SAR	587	87.6	5.8	3.1	87.6	3.0	0.4	0.1	87.1	88.1
Hungary	704	61.2	9.8	20.7	61.2	7.3	0.9	0.0	63.8	58.5
Iran, Islamic Rep. of	883	57.0	15.4	13.5	57.0	9.1	2.2	2.8	62.0	52.3
Ireland	673	61.7	11.0	17.5	61.7	7.5	1.9	0.4	61.6	61.9
Israel	782	58.9	17.9	12.2	58.9	6.8	2.6	1.7	61.0	56.7
Italy	627	55.3	8.0	27.4	55.3	6.7	2.2	0.4	50.9	59.4
Japan	673	91.6	1.1	3.3	91.6	2.8	0.6	0.5	91.9	91.2
Jordan	1120	35.0	35.0	18.3	35.0	7.8	2.4	1.5	35.3	34.7
Kazakhstan	688	61.9	12.2	13.6	61.9	9.4	1.2	1.6	63.6	60.2
Korea, Rep. of	759	94.3	1.0	2.1	94.3	2.4	0.2	0.0	95.8	93.1
Kuwait	598	27.7	39.1	19.1	27.7	7.7	4.1	2.2	21.8	33.6
Lebanon	553	56.5	20.7	8.4	56.5	5.0	4.1	5.3	55.7	57.5
Lithuania	628	68.6	8.5	14.8	68.6	7.5	0.1	0.5	65.0	72.4
Malaysia	1377	47.4	11.9	32.6	47.4	4.7	2.4	0.9	46.6	48.2
Malta	549	63.5	16.0	13.4	63.5	4.6	1.8	0.8	62.9	64.1
Morocco	1873	37.9	23.5	27.2	37.9	9.1	1.5	0.8	36.5	39.0
New Zealand	1125	50.8	11.4	25.3	50.8	8.3	2.9	1.2	48.4	53.3
Norway	663	60.3	5.3	19.9	60.3	10.0	3.0	1.5	62.2	58.3
Oman	1262	37.1	27.8	24.2	37.1	8.6	1.7	0.6	39.3	35.0
Qatar	767	38.3	27.8	20.7	38.3	7.5	2.4	3.3	32.5	44.3
Russian Federation	681	67.9	9.4	13.0	67.9	6.7	1.9	1.1	71.7	64.5
Saudi Arabia	525	23.1	36.8	28.1	23.1	10.9	0.8	0.3	23.0	23.2
Singapore	872	93.8	3.3	1.2	93.8	1.4	0.1	0.2	93.9	93.7
Slovenia	602	58.8	11.9	17.9	58.8	11.0	0.3	0.2	62.6	55.0
South Africa	1785	24.7	38.3	24.0	24.7	10.7	1.3	1.0	27.3	22.2
Sweden	596	46.0	9.5	22.2	46.0	11.1	7.4	3.7	48.8	43.8
Thailand	927	36.1	17.2	31.4	36.1	11.9	2.0	1.4	38.9	32.7
Turkey	879	54.1	19.2	17.3	54.1	8.6	0.7	0.2	55.0	53.4
United Arab Emirates	2573	45.3	21.8	19.9	45.3	9.3	2.5	1.1	45.1	45.4
United States	1476	53.8	11.0	25.1	53.8	7.3	1.4	1.4	53.5	54.0
International Avg (n=39)	35920	54.6	15.9	18.6	54.6	7.7	1.9	1.3	54.7	54.5
Buenos Aires, Argentina	448	29.7	15.3	17.5	29.7	10.9	13.4	13.2	28.8	30.9
Ontario, Canada	654	59.0	7.9	21.3	59.0	6.4	2.3	3.1	60.4	57.7
Quebec, Canada	573	76.0	3.9	12.3	76.0	4.0	1.4	2.3	74.1	78.2
Norway (8)	686	54.4	7.2	25.0	54.4	9.4	2.7	1.3	54.7	54.1
Abu Dhabi, UAE	687	40.9	20.3	24.4	40.9	9.9	3.6	1.1	41.0	40.8
Dubai, UAE	884	56.9	17.9	13.9	56.9	9.1	1.7	0.6	58.6	55.1
Florida, US	296	40.9	8.6	35.4	40.9	13.6	0.0	1.5	35.3	46.2

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

M05_14 (M042264): Geometry / Reasoning Type: CR 1 Point
Label: Conditions for similar triangles

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	18.9	66.6	18.9	13.0	1.6	18.6	19.2
Bahrain	707	28.2	57.0	28.2	14.6	0.2	30.9	25.7
Botswana	839	7.4	86.0	7.4	5.2	1.3	6.5	8.5
Canada	1265	24.4	61.8	24.4	10.9	2.9	25.4	23.4
Chile	673	8.3	49.1	8.3	38.9	3.7	7.1	9.5
Chinese Taipei	804	22.5	69.4	22.5	7.7	0.3	19.8	25.2
Egypt	1102	13.5	70.5	13.5	14.4	1.6	13.1	13.9
England	697	28.8	57.2	28.8	12.6	1.4	33.6	23.6
Georgia	574	14.9	46.0	14.9	36.0	3.2	13.3	16.3
Hong Kong SAR	587	38.8	58.1	38.8	2.8	0.3	39.5	38.2
Hungary	704	35.7	49.1	35.7	15.2	0.0	34.7	36.7
Iran, Islamic Rep. of	882	10.2	69.0	10.2	17.3	3.5	9.3	11.1
Ireland	673	35.0	56.7	35.0	7.8	0.5	36.7	33.3
Israel	782	32.6	48.5	32.6	16.7	2.1	35.6	29.4
Italy	627	16.2	67.3	16.2	16.0	0.4	15.9	16.6
Japan	673	21.1	73.6	21.1	4.9	0.5	23.1	18.7
Jordan	1120	5.3	79.3	5.3	13.6	1.9	6.8	3.8
Kazakhstan	688	23.1	63.1	23.1	12.0	1.7	26.3	19.8
Korea, Rep. of	759	53.4	44.1	53.4	2.5	0.0	54.3	52.7
Kuwait	598	11.0	70.2	11.0	16.6	2.2	13.7	8.3
Lebanon	553	16.2	62.3	16.2	16.2	5.3	17.0	15.2
Lithuania	628	15.6	71.3	15.6	12.6	0.5	14.9	16.3
Malaysia	1377	11.9	66.6	11.9	20.0	1.4	10.9	12.9
Malta	549	28.4	53.6	28.4	17.2	0.8	29.2	27.7
Morocco	1873	9.5	61.9	9.5	27.4	1.2	10.5	8.8
New Zealand	1125	17.3	65.4	17.3	15.9	1.4	16.1	18.6
Norway	663	10.3	54.6	10.3	33.3	1.8	12.4	8.0
Oman	1264	18.7	69.3	18.7	11.2	0.7	21.7	15.8
Qatar	767	14.3	70.8	14.3	11.3	3.5	14.1	14.6
Russian Federation	681	56.0	32.5	56.0	10.4	1.1	57.6	54.5
Saudi Arabia	525	4.5	78.8	4.5	16.3	0.4	4.7	4.3
Singapore	872	53.6	44.9	53.6	1.3	0.2	55.9	51.5
Slovenia	601	35.6	48.4	35.6	15.7	0.2	34.3	37.0
South Africa	1785	5.8	87.5	5.8	5.4	1.3	7.3	4.3
Sweden	595	17.6	55.8	17.6	22.7	3.9	17.3	18.0
Thailand	927	10.1	74.9	10.1	13.4	1.6	11.1	8.9
Turkey	879	33.5	54.2	33.5	12.1	0.2	36.8	30.6
United Arab Emirates	2573	18.8	69.5	18.8	10.0	1.7	21.2	16.5
United States	1476	18.2	75.4	18.2	4.7	1.7	15.9	20.5
International Avg (n=39)	35920	21.7	62.6	21.7	14.3	1.5	22.4	21.0
Buenos Aires, Argentina	448	4.4	38.9	4.4	42.9	13.8	4.6	4.2
Ontario, Canada	654	23.0	64.0	23.0	9.6	3.4	23.2	22.8
Quebec, Canada	573	29.3	54.3	29.3	13.7	2.6	29.4	29.3
Norway (8)	686	9.4	58.1	9.4	31.2	1.3	7.7	11.3
Abu Dhabi, UAE	687	17.0	70.6	17.0	10.9	1.5	21.9	12.5
Dubai, UAE	884	26.8	64.1	26.8	7.8	1.2	29.7	23.9
Florida, US	296	16.5	76.2	16.5	5.8	1.5	13.4	19.4

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.

M05_15 (M042255): Data and Chance / Applying Type: MC Key: B
Label: Representing data on a pie chart

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	68.9	11.9	68.9	8.0	7.1	2.2	1.9	69.5	68.3
Bahrain	707	70.3	8.8	70.3	10.7	9.0	0.8	0.4	69.1	71.4
Botswana	839	46.7	16.1	46.7	25.9	7.5	2.0	1.7	48.4	44.9
Canada	1265	71.9	9.4	71.9	7.2	6.1	1.9	3.4	71.9	71.9
Chile	673	56.3	13.5	56.3	13.9	10.2	1.5	4.6	52.8	59.9
Chinese Taipei	804	76.9	10.4	76.9	7.5	4.7	0.2	0.3	77.2	76.6
Egypt	1102	43.0	15.8	43.0	21.4	14.2	3.1	2.5	42.6	43.4
England	697	70.1	10.9	70.1	6.4	8.2	2.7	1.7	71.6	68.4
Georgia	574	49.7	17.2	49.7	19.8	7.4	1.5	4.4	47.1	52.1
Hong Kong SAR	587	80.0	9.6	80.0	5.5	4.4	0.2	0.3	79.3	80.6
Hungary	704	72.2	10.8	72.2	9.3	6.8	0.8	0.0	75.2	69.0
Iran, Islamic Rep. of	882	52.5	9.6	52.5	15.5	14.6	3.5	4.2	53.2	51.9
Ireland	673	68.8	14.5	68.8	5.8	9.2	1.0	0.8	66.8	70.8
Israel	782	63.9	13.9	63.9	8.4	7.6	2.5	3.7	64.1	63.7
Italy	627	69.3	11.5	69.3	9.3	7.3	2.0	0.7	69.1	69.4
Japan	673	81.0	6.7	81.0	5.8	5.5	0.1	0.9	82.7	79.1
Jordan	1120	44.4	17.5	44.4	21.3	11.7	2.7	2.4	48.3	40.5
Kazakhstan	688	63.0	11.7	63.0	15.9	6.2	0.9	2.2	62.2	63.9
Korea, Rep. of	759	83.8	6.7	83.8	4.8	4.5	0.2	0.0	83.9	83.7
Kuwait	599	45.6	18.0	45.6	14.9	14.0	4.4	3.1	42.6	48.6
Lebanon	553	45.3	11.9	45.3	14.3	11.8	9.6	7.1	45.3	45.4
Lithuania	628	73.2	12.3	73.2	6.6	6.8	0.3	0.9	71.0	75.4
Malaysia	1377	70.5	6.1	70.5	15.8	5.0	0.5	2.1	70.4	70.7
Malta	549	65.2	12.4	65.2	12.0	6.8	1.5	2.1	65.5	64.9
Morocco	1874	46.4	16.0	46.4	22.7	10.8	1.6	2.4	45.8	47.0
New Zealand	1124	66.0	13.0	66.0	8.5	7.7	2.5	2.3	68.6	63.3
Norway	663	71.4	11.7	71.4	6.2	5.1	3.3	2.3	73.4	69.2
Oman	1264	46.0	13.6	46.0	24.6	13.3	1.3	1.3	42.8	49.0
Qatar	766	52.1	17.9	52.1	13.6	11.4	1.1	4.0	52.4	51.9
Russian Federation	681	72.7	8.4	72.7	11.6	3.8	1.7	1.7	73.1	72.4
Saudi Arabia	523	38.9	18.1	38.9	26.0	15.0	1.1	1.0	40.6	37.1
Singapore	872	84.0	6.7	84.0	4.1	4.2	0.3	0.5	85.9	82.5
Slovenia	602	73.2	11.5	73.2	8.1	5.6	0.6	0.9	75.0	71.4
South Africa	1785	42.2	12.5	42.2	32.9	7.9	2.7	1.8	38.8	45.5
Sweden	596	67.8	7.8	67.8	6.6	8.5	4.5	4.7	66.4	68.9
Thailand	926	60.6	13.5	60.6	17.2	5.3	1.3	2.2	59.5	61.8
Turkey	879	62.8	10.5	62.8	17.1	9.0	0.4	0.2	65.2	60.6
United Arab Emirates	2573	58.7	14.0	58.7	13.6	9.4	2.0	2.3	61.5	56.0
United States	1476	69.1	9.3	69.1	9.7	7.9	1.8	2.2	69.5	68.6
International Avg (n=39)	35919	62.7	12.1	62.7	13.0	8.2	1.9	2.1	62.8	62.6
Buenos Aires, Argentina	448	42.7	11.2	42.7	9.5	7.3	10.9	18.4	45.0	39.9
Ontario, Canada	654	70.2	10.7	70.2	6.5	6.9	2.0	3.7	68.0	72.3
Quebec, Canada	573	75.4	7.6	75.4	6.4	5.7	1.3	3.7	78.7	71.5
Norway (8)	686	67.1	10.9	67.1	8.0	9.5	2.8	1.8	70.6	63.2
Abu Dhabi, UAE	687	56.1	14.9	56.1	15.9	8.6	2.2	2.3	57.4	54.9
Dubai, UAE	884	67.9	11.1	67.9	9.1	8.9	1.4	1.6	72.8	62.8
Florida, US	296	66.3	10.7	66.3	10.2	8.8	2.1	1.9	65.3	67.4

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

M05_16 (M042224): Data and Chance / Knowing Type: CR 1 Point
Label: Estimate the temperature

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1453	62.9	32.7	62.9	2.1	2.3	62.3	63.5
Bahrain	707	46.2	44.1	46.2	9.3	0.5	50.7	42.0
Botswana	839	31.2	64.8	31.2	1.4	2.5	29.2	33.5
Canada	1265	57.7	33.9	57.7	4.0	4.4	52.8	62.5
Chile	673	37.0	42.5	37.0	15.9	4.6	31.6	42.6
Chinese Taipei	804	78.0	19.6	78.0	2.0	0.3	77.3	78.7
Egypt	1102	20.1	64.7	20.1	11.9	3.3	19.8	20.5
England	697	69.7	26.9	69.7	1.3	2.2	68.5	71.0
Georgia	574	31.9	48.6	31.9	15.1	4.4	24.9	38.3
Hong Kong SAR	587	85.8	13.4	85.8	0.5	0.3	85.9	85.6
Hungary	704	70.1	27.0	70.1	2.6	0.3	69.6	70.7
Iran, Islamic Rep. of	883	26.9	53.2	26.9	13.8	6.1	24.9	28.8
Ireland	673	65.1	32.8	65.1	1.2	0.8	62.1	68.1
Israel	782	56.9	33.5	56.9	5.3	4.2	54.8	59.2
Italy	627	65.4	26.2	65.4	7.1	1.3	57.8	72.6
Japan	673	84.1	12.5	84.1	2.6	0.9	86.5	81.3
Jordan	1120	21.3	63.7	21.3	11.9	3.2	20.1	22.5
Kazakhstan	688	47.5	42.8	47.5	6.8	2.8	49.9	45.0
Korea, Rep. of	759	79.5	20.0	79.5	0.6	0.0	85.6	74.0
Kuwait	599	28.1	56.4	28.1	12.1	3.5	29.1	27.0
Lebanon	553	40.0	37.9	40.0	14.1	8.0	41.8	37.9
Lithuania	628	71.5	26.2	71.5	1.4	0.9	68.1	75.0
Malaysia	1377	45.3	45.8	45.3	6.7	2.3	46.9	43.7
Malta	549	59.5	34.6	59.5	3.8	2.1	63.6	55.5
Morocco	1874	22.4	62.1	22.4	12.8	2.7	18.8	25.3
New Zealand	1124	65.3	29.8	65.3	2.3	2.6	63.4	67.2
Norway	663	76.4	18.7	76.4	2.1	2.7	75.0	78.0
Oman	1264	29.2	62.0	29.2	7.4	1.4	30.9	27.5
Qatar	767	44.8	47.3	44.8	3.9	4.1	42.6	47.0
Russian Federation	681	69.3	26.7	69.3	2.1	1.9	69.0	69.6
Saudi Arabia	525	16.0	73.6	16.0	9.4	1.0	16.7	15.3
Singapore	872	84.6	14.6	84.6	0.1	0.7	84.6	84.6
Slovenia	601	71.1	26.9	71.1	1.0	1.0	73.0	69.1
South Africa	1785	21.8	73.3	21.8	2.7	2.2	21.5	22.1
Sweden	596	65.6	23.8	65.6	4.7	5.8	65.5	65.6
Thailand	927	24.8	66.3	24.8	6.6	2.3	27.2	21.9
Turkey	879	40.7	53.2	40.7	5.8	0.3	38.8	42.4
United Arab Emirates	2573	47.3	47.4	47.3	2.8	2.5	47.8	46.9
United States	1476	60.9	34.2	60.9	2.3	2.6	60.3	61.4
International Avg (n=39)	35923	51.8	40.1	51.8	5.6	2.4	51.3	52.4
Buenos Aires, Argentina	448	26.5	35.7	26.5	18.9	18.9	22.9	30.4
Ontario, Canada	654	54.2	37.9	54.2	3.4	4.5	48.4	59.5
Quebec, Canada	573	67.3	23.1	67.3	5.5	4.2	64.0	71.0
Norway (8)	686	66.9	27.3	66.9	3.5	2.3	66.9	66.9
Abu Dhabi, UAE	687	43.6	51.9	43.6	2.1	2.4	45.3	42.0
Dubai, UAE	884	57.3	38.7	57.3	2.4	1.6	58.0	56.6
Florida, US	296	52.7	41.9	52.7	3.1	2.3	50.6	54.7

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.

M06_01 (M052017): Number / Knowing Type: MC Key: D
Label: Equivalent numeric expression

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	57.5	17.6	12.0	10.6	57.5	2.2	0.1	59.8	55.2
Bahrain	703	61.8	16.6	10.2	11.1	61.8	0.4	0.0	67.7	56.2
Botswana	844	35.6	40.3	12.3	10.2	35.6	1.5	0.2	36.9	34.2
Canada	1245	64.5	13.3	7.1	13.2	64.5	1.7	0.1	65.9	63.2
Chile	677	25.1	38.8	18.0	15.0	25.1	3.0	0.0	23.2	27.0
Chinese Taipei	821	82.5	4.0	4.0	9.1	82.5	0.4	0.0	84.4	80.5
Egypt	1091	44.3	21.3	13.8	18.0	44.3	2.5	0.0	48.3	39.8
England	692	54.3	18.1	11.9	12.7	54.3	2.7	0.4	59.9	47.5
Georgia	572	56.7	18.4	11.1	12.3	56.7	1.2	0.4	54.2	59.3
Hong Kong SAR	596	89.4	2.1	3.2	4.8	89.4	0.4	0.0	91.0	88.0
Hungary	704	62.8	13.3	9.5	13.5	62.8	0.9	0.0	61.8	63.9
Iran, Islamic Rep. of	885	47.2	23.4	10.6	15.5	47.2	3.2	0.1	49.2	45.3
Ireland	662	66.8	12.7	6.4	12.2	66.8	2.0	0.0	72.0	61.9
Israel	786	71.8	8.8	6.0	10.1	71.8	2.8	0.5	75.0	68.4
Italy	627	61.4	15.1	8.1	12.4	61.4	2.6	0.2	60.1	62.7
Japan	682	77.7	6.5	6.0	8.9	77.7	0.6	0.3	79.7	75.5
Jordan	1134	47.0	23.2	14.8	13.7	47.0	1.3	0.0	54.3	39.3
Kazakhstan	696	70.4	8.0	7.8	11.9	70.4	1.8	0.0	72.6	68.0
Korea, Rep. of	757	80.8	4.4	5.0	9.1	80.8	0.7	0.0	80.5	81.0
Kuwait	630	35.9	18.2	19.8	19.3	35.9	6.7	0.2	40.0	31.5
Lebanon	548	65.4	13.0	5.5	9.3	65.4	6.5	0.4	66.3	64.3
Lithuania	621	65.7	9.3	7.3	16.0	65.7	1.6	0.0	74.6	56.3
Malaysia	1378	69.5	14.8	6.6	8.7	69.5	0.4	0.0	73.9	65.1
Malta	545	61.0	18.0	9.1	8.8	61.0	3.0	0.2	62.6	59.5
Morocco	1862	50.9	23.0	10.8	13.2	50.9	2.0	0.1	57.6	45.4
New Zealand	1120	48.7	24.3	13.4	11.1	48.7	2.4	0.0	50.4	47.0
Norway	674	44.4	20.3	16.9	14.9	44.4	3.5	0.0	44.9	43.8
Oman	1255	50.5	20.9	14.9	11.9	50.5	1.8	0.0	57.0	44.6
Qatar	771	48.6	23.5	8.5	17.2	48.6	2.0	0.1	46.7	50.4
Russian Federation	677	75.8	7.2	4.9	10.9	75.8	1.2	0.0	74.4	77.1
Saudi Arabia	532	33.6	31.1	18.7	14.7	33.6	1.9	0.0	39.2	27.6
Singapore	870	88.6	4.2	2.7	4.0	88.6	0.5	0.0	90.2	87.1
Slovenia	602	62.0	14.4	11.7	10.0	62.0	1.9	0.0	64.2	59.8
South Africa	1790	44.8	26.7	12.8	13.8	44.8	1.9	0.0	48.1	41.6
Sweden	587	44.5	22.9	13.5	12.1	44.5	6.5	0.6	44.0	45.1
Thailand	918	46.4	23.7	13.2	14.8	46.4	1.9	0.0	52.0	39.6
Turkey	869	44.7	24.6	14.5	15.2	44.7	0.9	0.0	49.8	40.0
United Arab Emirates	2583	59.1	18.1	9.2	12.0	59.1	1.5	0.1	61.9	56.4
United States	1474	63.6	14.0	7.9	12.4	63.6	1.7	0.4	66.9	60.5
International Avg (n=39)	35947	58.0	17.4	10.3	12.2	58.0	2.1	0.1	60.5	55.4
Buenos Aires, Argentina	428	40.3	18.0	11.8	13.0	40.3	15.2	1.6	44.4	36.4
Ontario, Canada	648	60.5	15.1	7.3	15.5	60.5	1.4	0.2	63.1	58.1
Quebec, Canada	556	76.1	6.4	5.5	9.3	76.1	2.6	0.0	77.2	74.7
Norway (8)	686	37.2	25.9	18.0	13.3	37.2	5.4	0.2	37.5	36.9
Abu Dhabi, UAE	692	52.4	19.9	11.3	14.5	52.4	1.6	0.2	55.6	49.6
Dubai, UAE	881	65.8	16.2	7.5	9.5	65.8	0.9	0.0	67.8	63.6
Florida, US	298	55.9	18.6	8.1	17.1	55.9	0.3	0.0	60.9	51.4

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

M06_02 (M052217): Number / Reasoning Type: CR 1 Point
Label: Who paid less for a hockey stick

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	35.8	58.7	35.8	5.4	0.1	37.3	34.2
Bahrain	703	10.6	78.0	10.6	11.4	0.0	9.6	11.7
Botswana	844	3.9	92.6	3.9	3.1	0.4	3.9	3.8
Canada	1246	52.4	43.8	52.4	3.7	0.1	50.1	54.5
Chile	677	17.4	60.1	17.4	22.4	0.2	11.8	23.0
Chinese Taipei	821	51.5	44.0	51.5	4.4	0.0	48.7	54.5
Egypt	1092	8.8	76.0	8.8	15.2	0.0	8.4	9.3
England	692	45.8	47.1	45.8	6.7	0.4	40.9	51.6
Georgia	572	9.8	65.2	9.8	24.6	0.4	7.7	11.9
Hong Kong SAR	596	47.3	49.4	47.3	3.3	0.0	43.0	50.9
Hungary	704	41.0	51.3	41.0	7.6	0.0	35.9	46.4
Iran, Islamic Rep. of	885	16.8	68.5	16.8	14.1	0.5	13.6	19.9
Ireland	662	54.9	42.9	54.9	2.2	0.0	49.0	60.4
Israel	786	41.0	48.9	41.0	9.5	0.6	34.4	48.2
Italy	626	19.4	62.5	19.4	17.9	0.2	12.4	26.3
Japan	682	55.5	41.0	55.5	3.1	0.3	52.4	58.8
Jordan	1134	3.8	85.7	3.8	10.5	0.0	3.1	4.5
Kazakhstan	696	34.8	55.9	34.8	9.3	0.0	36.0	33.6
Korea, Rep. of	757	61.9	36.9	61.9	1.2	0.0	57.9	65.1
Kuwait	630	9.3	69.3	9.3	21.2	0.2	7.4	10.8
Lebanon	548	13.7	55.0	13.7	30.9	0.4	12.6	14.9
Lithuania	621	31.2	58.9	31.2	9.9	0.0	25.4	37.4
Malaysia	1378	17.8	71.9	17.8	10.3	0.0	16.3	19.2
Malta	545	34.2	57.9	34.2	7.7	0.2	28.9	39.2
Morocco	1859	2.1	72.6	2.1	25.2	0.2	2.1	2.0
New Zealand	1120	40.1	56.0	40.1	3.8	0.0	35.6	44.9
Norway	674	45.4	50.0	45.4	4.5	0.0	47.2	43.8
Oman	1255	6.7	84.3	6.7	8.9	0.0	6.4	7.0
Qatar	771	17.9	71.2	17.9	10.7	0.2	12.1	23.5
Russian Federation	677	29.6	57.0	29.6	13.3	0.1	26.4	32.3
Saudi Arabia	532	9.8	77.6	9.8	12.6	0.0	11.0	8.5
Singapore	870	76.5	22.5	76.5	1.1	0.0	76.7	76.3
Slovenia	602	43.9	50.0	43.9	6.1	0.0	41.0	46.8
South Africa	1790	6.4	89.7	6.4	3.9	0.1	6.9	5.8
Sweden	586	44.5	49.7	44.5	4.6	1.1	43.4	45.7
Thailand	918	7.6	72.0	7.6	20.5	0.0	7.0	8.2
Turkey	869	20.9	70.3	20.9	8.8	0.0	19.3	22.4
United Arab Emirates	2583	19.0	73.9	19.0	7.0	0.1	14.8	23.0
United States	1474	45.9	51.8	45.9	2.0	0.4	41.6	49.8
International Avg (n=39)	35944	29.1	60.8	29.1	10.0	0.2	26.6	31.5
Buenos Aires, Argentina	428	12.6	55.9	12.6	29.7	1.8	9.6	15.6
Ontario, Canada	649	52.8	44.1	52.8	2.9	0.2	53.2	52.3
Quebec, Canada	556	52.6	42.0	52.6	5.4	0.0	45.7	60.5
Norway (8)	686	36.0	58.7	36.0	5.1	0.2	35.9	36.0
Abu Dhabi, UAE	692	15.7	77.4	15.7	6.7	0.2	12.2	18.9
Dubai, UAE	881	29.6	63.6	29.6	6.7	0.0	25.1	34.6
Florida, US	298	38.3	58.4	38.3	3.3	0.0	36.7	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.

M06_03 (M052021): Number / Reasoning Type: CR 2 Points
Label: Complete TV game show table

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	26.6	15.9	51.5	42.4	26.6	5.9	0.1	22.8	30.4
Bahrain	703	7.3	9.2	74.0	16.6	7.3	9.4	0.0	6.3	8.3
Botswana	844	1.2	1.2	94.0	2.3	1.2	3.2	0.4	1.1	1.3
Canada	1246	34.2	19.0	41.9	53.2	34.2	4.6	0.3	27.9	40.1
Chile	677	15.7	11.1	57.7	26.9	15.7	15.2	0.2	11.7	19.8
Chinese Taipei	821	65.1	17.1	15.4	82.2	65.1	2.4	0.0	65.1	65.0
Egypt	1122	0.9	2.1	83.9	2.9	0.9	12.9	0.3	0.2	1.7
England	692	31.1	15.1	50.1	46.2	31.1	3.3	0.4	29.9	32.5
Georgia	572	16.3	11.5	55.6	27.8	16.3	15.9	0.8	10.8	21.9
Hong Kong SAR	596	57.4	20.4	20.0	77.8	57.4	1.9	0.3	50.4	63.3
Hungary	704	36.3	17.2	41.7	53.5	36.3	4.7	0.0	33.3	39.5
Iran, Islamic Rep. of	885	14.0	10.7	63.1	24.7	14.0	11.7	0.5	10.9	16.9
Ireland	662	34.3	15.0	48.5	49.2	34.3	2.3	0.0	25.7	42.1
Israel	786	32.7	16.0	43.3	48.7	32.7	7.4	0.6	25.7	40.2
Italy	627	27.1	15.9	50.1	43.0	27.1	6.7	0.2	19.3	34.8
Japan	682	65.2	16.0	17.0	81.2	65.2	1.5	0.3	60.9	69.7
Jordan	1134	2.1	4.2	85.5	6.4	2.1	8.0	0.1	1.6	2.6
Kazakhstan	696	32.5	9.3	51.1	41.8	32.5	7.2	0.0	34.0	30.9
Korea, Rep. of	757	69.2	14.6	14.8	83.8	69.2	1.3	0.0	66.6	71.3
Kuwait	630	3.6	8.0	75.0	11.6	3.6	13.2	0.2	1.9	5.2
Lebanon	548	10.3	5.7	63.8	16.0	10.3	19.9	0.4	9.1	11.5
Lithuania	621	27.4	17.7	49.0	45.2	27.4	5.9	0.0	25.3	29.7
Malaysia	1378	13.6	10.3	68.8	23.8	13.6	7.1	0.2	10.1	17.1
Malta	545	19.6	12.2	61.6	31.8	19.6	6.4	0.2	12.3	26.6
Morocco	1877	2.3	3.5	81.6	5.8	2.3	12.2	0.4	1.8	2.7
New Zealand	1120	23.8	15.6	56.9	39.4	23.8	3.6	0.0	21.6	26.1
Norway	674	35.6	14.4	43.5	50.0	35.6	6.5	0.0	25.1	45.8
Oman	1255	3.1	6.1	84.1	9.2	3.1	6.7	0.0	2.1	3.9
Qatar	771	12.1	8.0	72.1	20.1	12.1	7.6	0.2	6.9	17.1
Russian Federation	677	35.4	12.9	43.9	48.3	35.4	7.6	0.2	24.7	44.6
Saudi Arabia	532	2.4	3.2	82.0	5.6	2.4	12.2	0.2	0.9	4.0
Singapore	870	61.4	17.3	20.8	78.6	61.4	0.5	0.0	58.8	63.7
Slovenia	602	34.6	14.7	46.7	49.2	34.6	4.1	0.0	31.7	37.4
South Africa	1790	3.5	1.4	90.6	5.0	3.5	4.3	0.1	2.9	4.2
Sweden	587	35.8	15.3	36.7	51.1	35.8	10.8	1.5	31.3	39.6
Thailand	918	12.9	12.9	64.9	25.8	12.9	9.3	0.0	11.3	14.8
Turkey	869	18.1	16.0	58.5	34.1	18.1	7.4	0.0	16.4	19.8
United Arab Emirates	2583	16.7	9.2	68.0	26.0	16.7	5.9	0.1	13.9	19.4
United States	1474	32.6	17.2	47.2	49.9	32.6	2.5	0.5	30.6	34.6
International Avg (n=39)	35994	25.0	11.9	55.8	36.8	25.0	7.2	0.2	21.6	28.2
Buenos Aires, Argentina	429	14.9	15.5	47.4	30.4	14.9	20.4	1.9	9.5	20.3
Ontario, Canada	649	31.4	20.9	43.4	52.3	31.4	3.8	0.5	25.8	36.2
Quebec, Canada	556	39.8	13.9	40.0	53.7	39.8	6.2	0.0	30.1	51.2
Norway (8)	686	28.4	10.6	54.8	39.0	28.4	6.0	0.2	22.6	34.8
Abu Dhabi, UAE	692	11.3	7.2	74.8	18.6	11.3	6.4	0.2	7.9	14.4
Dubai, UAE	881	25.9	15.3	52.7	41.2	25.9	6.0	0.0	23.6	28.3
Florida, US	298	22.1	14.8	57.0	36.9	22.1	6.1	0.0	22.5	21.7

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.

M06_04 (M052095): Number / Knowing Type: CR 1 Point
Label: Complete the fraction sequence

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	34.4	8.1	41.5	34.4	15.8	0.2	33.7	35.1
Bahrain	703	18.5	6.0	57.6	18.5	17.8	0.1	19.8	17.1
Botswana	844	6.3	2.5	85.2	6.3	5.3	0.7	6.0	6.7
Canada	1246	55.9	7.4	27.6	55.9	8.4	0.8	56.5	55.2
Chile	677	10.7	4.8	47.4	10.7	36.8	0.2	9.8	11.7
Chinese Taipei	821	80.8	4.0	9.8	80.8	5.4	0.0	82.2	79.3
Egypt	1122	15.8	7.1	65.9	15.8	10.9	0.3	16.5	15.1
England	692	37.7	8.1	39.2	37.7	14.6	0.4	38.4	36.8
Georgia	572	31.0	5.5	38.7	31.0	24.0	0.8	27.7	34.3
Hong Kong SAR	596	76.6	5.6	12.1	76.6	5.3	0.3	76.6	76.6
Hungary	704	48.5	7.5	29.0	48.5	15.0	0.0	50.5	46.4
Iran, Islamic Rep. of	885	27.3	7.2	48.6	27.3	16.3	0.6	28.4	26.2
Ireland	662	47.1	8.5	36.4	47.1	8.1	0.0	42.8	51.0
Israel	786	47.5	8.1	29.2	47.5	14.1	1.2	44.2	51.0
Italy	627	34.9	7.7	35.1	34.9	22.1	0.2	33.6	36.2
Japan	682	70.8	8.0	16.3	70.8	4.6	0.3	67.1	74.7
Jordan	1134	7.0	4.9	72.2	7.0	15.8	0.1	8.2	5.6
Kazakhstan	696	55.5	10.3	26.8	55.5	7.4	0.0	59.9	50.6
Korea, Rep. of	757	81.7	5.8	11.2	81.7	1.4	0.0	83.9	79.8
Kuwait	630	11.3	7.9	57.2	11.3	22.8	0.7	12.0	10.2
Lebanon	548	46.5	7.0	30.2	46.5	15.8	0.4	47.6	45.4
Lithuania	621	37.3	5.0	38.0	37.3	19.6	0.0	37.9	36.7
Malaysia	1378	30.9	5.0	50.4	30.9	12.9	0.8	30.8	31.0
Malta	545	42.7	6.4	41.1	42.7	9.5	0.4	41.5	43.8
Morocco	1878	14.4	4.1	56.5	14.4	24.4	0.6	13.8	14.8
New Zealand	1120	32.2	11.0	42.2	32.2	14.6	0.0	32.2	32.1
Norway	674	34.9	10.9	33.9	34.9	20.2	0.1	36.9	32.9
Oman	1255	12.5	5.2	71.1	12.5	11.1	0.0	10.0	14.8
Qatar	771	26.2	4.0	53.9	26.2	15.5	0.4	21.3	31.0
Russian Federation	677	51.0	5.5	28.9	51.0	13.9	0.7	53.3	49.0
Saudi Arabia	532	7.8	2.0	75.0	7.8	15.0	0.2	5.8	9.8
Singapore	870	82.8	6.4	9.5	82.8	1.3	0.0	82.8	82.9
Slovenia	602	41.3	10.3	34.3	41.3	13.6	0.5	44.1	38.6
South Africa	1790	7.0	5.0	80.0	7.0	7.9	0.1	6.9	7.1
Sweden	587	30.4	11.2	29.9	30.4	27.0	1.5	28.3	32.3
Thailand	918	16.3	3.9	56.6	16.3	23.1	0.1	17.0	15.4
Turkey	869	28.9	6.1	52.6	28.9	12.4	0.0	29.3	28.5
United Arab Emirates	2583	33.4	6.3	50.2	33.4	9.9	0.2	34.0	32.7
United States	1474	44.1	8.5	41.9	44.1	4.9	0.7	46.3	41.9
International Avg (n=39)	35995	36.4	6.6	42.7	36.4	14.0	0.3	36.4	36.4
Buenos Aires, Argentina	429	14.8	6.1	37.4	14.8	39.1	2.6	12.4	17.2
Ontario, Canada	649	52.7	7.5	29.9	52.7	8.8	1.1	55.4	50.1
Quebec, Canada	556	64.9	8.9	19.1	64.9	6.8	0.3	59.5	71.3
Norway (8)	686	27.9	9.6	39.9	27.9	22.5	0.2	29.0	26.6
Abu Dhabi, UAE	692	25.4	5.0	56.9	25.4	12.4	0.3	26.9	23.9
Dubai, UAE	881	47.7	6.7	37.2	47.7	8.3	0.0	49.8	45.4
Florida, US	298	37.9	7.2	50.3	37.9	4.6	0.0	38.0	37.8

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.

M06_05 (M052094): Number / Reasoning Type: CR 1 Point
Label: Who spent more for shoes

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	23.5	32.5	41.6	23.5	2.2	0.2	24.1	22.9
Bahrain	702	6.9	46.0	41.7	6.9	5.3	0.1	7.1	6.7
Botswana	845	2.6	50.3	41.9	2.6	4.4	0.9	2.2	2.9
Canada	1246	32.0	32.2	30.2	32.0	4.2	1.4	32.5	31.4
Chile	677	9.2	46.5	33.7	9.2	10.0	0.5	7.5	11.0
Chinese Taipei	821	50.4	16.2	32.5	50.4	0.9	0.0	51.8	48.8
Egypt	1121	4.5	38.4	51.9	4.5	5.0	0.3	4.8	4.1
England	692	33.5	27.8	34.2	33.5	4.1	0.4	34.1	32.8
Georgia	572	13.8	40.9	33.7	13.8	10.8	0.8	13.0	14.6
Hong Kong SAR	596	38.9	12.8	46.1	38.9	1.9	0.3	39.4	38.6
Hungary	704	27.1	30.7	39.6	27.1	2.6	0.0	25.8	28.5
Iran, Islamic Rep. of	885	5.4	39.4	47.5	5.4	6.7	1.1	6.1	4.6
Ireland	662	31.6	30.5	37.1	31.6	0.8	0.0	31.4	31.8
Israel	786	26.9	30.3	37.3	26.9	3.7	1.7	21.9	32.3
Italy	627	16.1	35.0	41.9	16.1	6.7	0.2	13.5	18.7
Japan	682	58.2	12.9	27.1	58.2	1.1	0.7	59.0	57.3
Jordan	1134	2.8	44.0	48.9	2.8	4.0	0.2	3.3	2.3
Kazakhstan	696	25.6	36.4	30.3	25.6	7.7	0.0	27.2	23.8
Korea, Rep. of	757	48.0	15.3	35.8	48.0	0.9	0.0	46.6	49.2
Kuwait	630	4.9	13.4	49.2	4.9	31.5	1.0	4.9	5.0
Lebanon	548	10.2	37.5	40.4	10.2	11.5	0.4	12.8	7.4
Lithuania	621	14.6	43.8	39.4	14.6	2.0	0.2	17.6	11.5
Malaysia	1378	7.2	30.5	52.2	7.2	9.2	0.9	6.3	8.2
Malta	545	22.6	38.9	35.5	22.6	2.6	0.4	22.1	23.1
Morocco	1879	1.8	25.1	67.8	1.8	4.6	0.7	2.3	1.4
New Zealand	1120	24.3	33.8	39.4	24.3	2.2	0.3	26.4	22.1
Norway	674	40.3	27.2	28.5	40.3	3.1	0.8	42.9	37.8
Oman	1255	3.9	44.1	48.1	3.9	3.8	0.2	4.5	3.3
Qatar	770	7.7	35.9	53.0	7.7	2.9	0.4	7.2	8.3
Russian Federation	677	20.9	31.7	39.8	20.9	6.8	0.7	19.5	22.2
Saudi Arabia	532	3.7	42.4	50.9	3.7	2.8	0.2	3.8	3.6
Singapore	870	53.7	17.2	28.3	53.7	0.7	0.0	56.3	51.4
Slovenia	602	30.3	30.4	37.0	30.3	1.5	0.7	27.2	33.4
South Africa	1790	4.0	50.0	43.4	4.0	2.4	0.3	4.4	3.5
Sweden	587	22.7	21.9	47.1	22.7	5.7	2.6	26.6	19.7
Thailand	918	4.0	40.6	42.1	4.0	13.0	0.3	4.1	3.8
Turkey	869	20.0	43.0	33.4	20.0	3.6	0.0	19.7	20.4
United Arab Emirates	2583	9.7	42.7	43.7	9.7	3.8	0.2	10.9	8.5
United States	1474	22.5	37.1	36.9	22.5	2.7	0.9	22.7	22.2
International Avg (n=39)	35994	20.2	33.5	40.8	20.2	5.1	0.5	20.3	20.0
Buenos Aires, Argentina	429	5.1	31.2	43.2	5.1	17.1	3.3	5.0	5.3
Ontario, Canada	649	30.7	33.0	30.8	30.7	3.7	1.7	31.7	29.8
Quebec, Canada	556	35.4	29.0	29.3	35.4	5.8	0.6	34.5	36.4
Norway (8)	686	34.0	31.0	30.3	34.0	3.9	0.8	33.2	34.9
Abu Dhabi, UAE	692	8.7	41.8	44.5	8.7	4.7	0.3	8.5	9.0
Dubai, UAE	881	14.3	40.5	41.8	14.3	3.4	0.0	15.5	12.9
Florida, US	298	15.9	40.6	40.6	15.9	2.9	0.0	17.3	14.6

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.

M06_06 (M052131): Algebra / Applying Type: MC Key: A
Label: Step in solving the equation

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	29.4	29.4	20.7	31.2	14.9	3.6	0.3	29.1	29.6
Bahrain	701	44.7	44.7	19.5	22.0	12.5	1.2	0.1	46.8	42.6
Botswana	845	24.4	24.4	22.2	31.3	18.2	2.1	1.9	23.9	25.0
Canada	1245	27.4	27.4	15.8	33.0	15.2	6.5	2.1	24.5	30.1
Chile	677	28.5	28.5	21.0	30.9	13.9	4.7	1.1	31.5	25.3
Chinese Taipei	821	75.7	75.7	8.5	12.0	3.7	0.0	0.0	78.1	73.2
Egypt	1122	30.8	30.8	27.7	26.9	13.0	1.2	0.5	31.3	30.2
England	692	29.8	29.8	20.4	30.4	14.3	4.2	0.9	29.7	29.8
Georgia	572	50.0	50.0	15.8	17.0	14.7	1.6	0.9	45.9	54.1
Hong Kong SAR	596	70.0	70.0	10.4	12.0	6.6	0.5	0.5	71.1	69.1
Hungary	704	34.8	34.8	19.6	31.1	10.5	4.0	0.0	35.9	33.6
Iran, Islamic Rep. of	885	49.1	49.1	18.7	20.8	7.0	2.8	1.5	57.2	41.5
Ireland	662	48.4	48.4	15.7	22.5	11.0	2.2	0.1	48.8	48.0
Israel	786	54.6	54.6	12.5	19.0	7.9	3.6	2.4	55.6	53.5
Italy	627	53.0	53.0	18.4	16.2	7.2	4.4	0.8	58.7	47.5
Japan	682	82.9	82.9	6.2	7.8	2.1	0.3	0.8	85.8	79.8
Jordan	1134	37.4	37.4	22.0	25.3	12.2	2.5	0.6	41.1	33.4
Kazakhstan	696	61.4	61.4	12.1	12.2	12.3	1.8	0.2	62.5	60.1
Korea, Rep. of	757	82.9	82.9	4.4	8.6	3.4	0.7	0.0	84.8	81.4
Kuwait	630	28.5	28.5	27.2	23.9	16.1	3.2	1.2	32.3	24.7
Lebanon	548	64.9	64.9	10.6	13.7	5.2	5.1	0.4	68.5	60.9
Lithuania	621	45.2	45.2	19.6	21.2	13.0	0.8	0.2	49.2	41.0
Malaysia	1378	33.5	33.5	21.1	27.1	14.0	3.0	1.3	33.8	33.2
Malta	545	49.0	49.0	16.0	20.9	11.5	2.1	0.5	50.4	47.7
Morocco	1878	40.0	40.0	22.9	23.7	10.5	2.0	0.9	43.3	37.2
New Zealand	1120	28.2	28.2	20.4	30.5	15.3	5.3	0.3	26.8	29.6
Norway	674	30.9	30.9	21.4	24.2	16.5	6.1	0.9	31.4	30.3
Oman	1246	31.3	31.3	22.3	28.1	16.6	1.6	0.2	32.9	29.8
Qatar	771	32.8	32.8	21.4	27.9	15.0	2.3	0.5	32.6	33.0
Russian Federation	677	63.8	63.8	13.1	14.5	6.8	1.0	0.9	59.9	67.2
Saudi Arabia	531	29.0	29.0	25.4	28.0	15.2	2.2	0.2	32.8	24.9
Singapore	870	78.7	78.7	8.4	7.9	4.8	0.2	0.0	81.6	76.0
Slovenia	602	27.1	27.1	18.2	36.5	11.6	5.7	0.7	29.6	24.7
South Africa	1790	30.0	30.0	22.5	26.8	18.1	2.2	0.4	31.6	28.5
Sweden	586	26.3	26.3	16.2	31.9	13.0	8.8	3.8	22.8	29.3
Thailand	918	30.3	30.3	22.6	28.3	15.1	3.5	0.3	30.2	30.3
Turkey	869	40.9	40.9	18.5	24.5	14.9	1.1	0.1	44.3	37.8
United Arab Emirates	2583	38.5	38.5	17.2	26.8	15.1	2.2	0.2	38.1	38.9
United States	1474	41.4	41.4	16.2	26.3	11.8	2.9	1.4	44.4	38.6
International Avg (n=39)	35982	43.7	43.7	17.8	23.2	11.8	2.8	0.7	45.1	42.3
Buenos Aires, Argentina	425	22.4	22.4	13.1	30.7	12.1	17.4	4.4	25.0	19.8
Ontario, Canada	649	24.8	24.8	14.8	36.6	14.0	6.9	2.8	23.6	25.7
Quebec, Canada	555	33.6	33.6	17.7	28.9	12.8	6.3	0.6	29.3	38.7
Norway (8)	686	22.5	22.5	21.5	27.4	13.8	13.9	0.9	23.0	21.9
Abu Dhabi, UAE	692	32.9	32.9	19.9	28.8	15.3	2.8	0.3	34.4	31.6
Dubai, UAE	881	47.5	47.5	12.2	24.0	14.5	1.8	0.0	47.9	47.1
Florida, US	298	42.8	42.8	19.1	24.9	10.3	2.8	0.0	39.5	45.8

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

M06_07 (M052090): Algebra / Applying Type: MC Key: C
Label: Set up system of equations

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	41.8	22.0	26.1	41.8	5.6	3.8	0.7	38.9	44.8
Bahrain	701	44.0	19.2	28.4	44.0	7.1	1.2	0.1	35.6	51.9
Botswana	845	27.9	31.1	27.6	27.9	8.3	2.7	2.3	28.8	26.9
Canada	1244	41.5	21.9	24.6	41.5	4.7	3.3	4.0	43.9	39.3
Chile	677	27.0	30.3	31.9	27.0	4.9	4.7	1.2	30.2	23.7
Chinese Taipei	821	65.5	8.3	21.8	65.5	4.2	0.3	0.0	67.0	63.8
Egypt	1122	31.3	24.8	30.1	31.3	11.3	2.1	0.5	29.8	33.0
England	692	38.8	22.9	29.5	38.8	4.6	3.3	0.9	38.8	38.7
Georgia	572	37.1	26.3	28.7	37.1	4.9	1.9	1.1	34.7	39.5
Hong Kong SAR	596	67.2	7.4	20.1	67.2	4.0	0.7	0.5	68.4	66.2
Hungary	704	53.7	15.3	25.1	53.7	3.9	1.7	0.3	51.6	56.0
Iran, Islamic Rep. of	885	35.1	22.9	29.4	35.1	6.7	4.2	1.7	33.5	36.6
Ireland	662	46.6	19.3	26.3	46.6	4.4	3.4	0.1	44.5	48.4
Israel	786	51.7	17.5	20.3	51.7	4.2	3.4	2.9	48.4	55.4
Italy	627	42.2	21.1	26.4	42.2	3.9	5.4	1.1	44.0	40.3
Japan	682	62.6	5.1	28.1	62.6	2.5	0.8	0.8	65.8	59.4
Jordan	1134	25.3	21.9	42.6	25.3	8.2	1.3	0.7	27.7	22.7
Kazakhstan	696	49.4	19.5	25.5	49.4	4.1	1.2	0.4	51.4	47.2
Korea, Rep. of	757	68.6	6.7	20.8	68.6	3.7	0.2	0.0	73.6	64.6
Kuwait	630	25.9	28.7	32.5	25.9	7.7	4.0	1.2	25.1	26.3
Lebanon	548	33.4	20.1	28.7	33.4	4.1	13.3	0.4	39.3	27.1
Lithuania	621	43.2	21.6	28.7	43.2	4.6	1.7	0.2	48.7	37.3
Malaysia	1378	41.2	22.0	29.0	41.2	3.5	2.4	1.9	42.4	40.0
Malta	545	45.9	16.9	29.5	45.9	4.2	2.9	0.5	47.9	44.1
Morocco	0	.	.	.	.	.	.	.	.	.
New Zealand	1120	38.5	23.7	28.4	38.5	5.6	3.3	0.5	38.9	38.1
Norway	674	39.5	18.8	29.6	39.5	3.2	7.8	1.0	41.5	37.5
Oman	1255	30.1	31.7	27.0	30.1	9.3	1.6	0.2	29.9	30.2
Qatar	771	38.2	24.5	29.0	38.2	5.4	2.5	0.5	38.8	37.5
Russian Federation	677	50.8	18.2	25.6	50.8	2.7	2.0	0.9	52.8	49.0
Saudi Arabia	532	25.4	30.2	29.9	25.4	12.5	1.4	0.6	24.0	26.9
Singapore	870	74.4	7.3	14.2	74.4	3.8	0.3	0.0	77.1	72.0
Slovenia	602	45.6	15.1	27.6	45.6	4.3	6.5	0.9	48.4	42.8
South Africa	1790	28.3	25.4	33.9	28.3	9.4	2.2	0.8	29.1	27.6
Sweden	0	.	.	.	.	.	.	.	.	.
Thailand	918	31.6	27.9	26.8	31.6	8.4	4.8	0.4	28.8	35.1
Turkey	869	40.7	23.8	26.8	40.7	7.7	0.9	0.1	43.1	38.5
United Arab Emirates	2583	40.9	23.7	26.9	40.9	5.7	2.6	0.3	42.3	39.6
United States	1474	43.6	21.0	26.0	43.6	4.8	2.7	2.0	45.4	41.9
International Avg (n=37)	33527	42.6	20.7	27.4	42.6	5.6	2.9	0.9	43.2	41.9
Buenos Aires, Argentina	424	22.9	16.6	25.0	22.9	4.2	26.0	5.4	19.6	26.1
Ontario, Canada	648	36.5	24.7	25.1	36.5	5.7	3.0	5.1	38.5	34.5
Quebec, Canada	555	53.1	15.0	21.6	53.1	3.2	4.8	2.3	53.1	53.2
Norway (8)	686	28.7	24.0	29.6	28.7	5.8	11.0	1.0	30.0	27.3
Abu Dhabi, UAE	692	37.3	24.5	28.0	37.3	6.4	3.4	0.5	38.1	36.5
Dubai, UAE	881	48.0	20.5	25.2	48.0	4.3	1.9	0.0	49.7	46.0
Florida, US	298	41.2	18.9	32.1	41.2	4.9	2.5	0.3	40.1	42.2

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

M06_08A (M052121A): Algebra / Reasoning Type: MC Key: A
Label: Area of the 5th square

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1466	44.4	44.4	21.1	5.7	26.1	1.7	1.0	41.2	47.7
Bahrain	702	44.6	44.6	20.2	9.3	23.5	2.2	0.3	42.3	46.8
Botswana	845	29.2	29.2	19.5	13.8	31.9	2.5	3.1	30.5	27.7
Canada	1246	61.5	61.5	16.8	3.0	13.1	1.6	4.1	60.8	62.0
Chile	677	35.1	35.1	18.7	8.2	33.3	3.5	1.3	33.0	37.2
Chinese Taipei	821	83.7	83.7	6.1	2.5	6.4	1.2	0.2	87.3	79.8
Egypt	1122	35.5	35.5	22.4	14.1	24.8	2.7	0.5	38.1	32.4
England	692	51.2	51.2	20.8	5.1	19.3	2.7	0.9	53.8	48.1
Georgia	572	35.7	35.7	29.3	9.4	18.6	5.8	1.2	33.8	37.7
Hong Kong SAR	596	77.6	77.6	15.1	2.1	3.9	0.9	0.5	80.3	75.3
Hungary	704	56.2	56.2	16.5	4.8	21.0	1.2	0.3	53.3	59.2
Iran, Islamic Rep. of	885	43.7	43.7	13.9	7.3	28.9	3.9	2.3	45.1	42.3
Ireland	662	50.6	50.6	29.1	2.2	16.0	1.8	0.4	51.2	49.9
Israel	786	51.3	51.3	23.3	4.1	14.4	3.6	3.4	50.1	52.5
Italy	627	57.0	57.0	18.9	3.5	10.7	8.8	1.1	57.6	56.5
Japan	682	83.8	83.8	6.0	3.6	5.5	0.3	0.8	85.6	82.0
Jordan	1134	22.7	22.7	17.2	10.3	46.1	2.9	0.7	20.3	25.4
Kazakhstan	696	60.5	60.5	15.3	5.1	15.0	3.4	0.5	62.4	58.5
Korea, Rep. of	757	79.2	79.2	14.5	1.2	4.5	0.6	0.0	79.4	79.1
Kuwait	630	24.2	24.2	18.4	11.8	34.1	10.0	1.5	24.2	24.3
Lebanon	547	38.9	38.9	15.0	12.5	22.1	10.6	1.0	40.0	37.7
Lithuania	621	54.8	54.8	19.1	3.5	20.8	1.6	0.2	52.4	57.4
Malaysia	1378	52.1	52.1	13.6	7.6	22.3	2.4	2.1	55.0	49.1
Malta	545	46.9	46.9	19.4	7.4	20.7	4.9	0.7	43.7	50.0
Morocco	1879	27.3	27.3	25.1	13.6	27.9	5.0	1.1	28.8	26.1
New Zealand	1120	41.7	41.7	18.7	5.8	30.3	2.8	0.6	39.7	43.8
Norway	674	60.0	60.0	19.2	3.3	12.3	3.8	1.5	57.9	62.0
Oman	1255	37.0	37.0	17.0	10.9	32.4	2.2	0.6	36.2	37.8
Qatar	771	35.2	35.2	20.4	8.2	29.6	6.1	0.5	34.3	36.0
Russian Federation	677	66.1	66.1	16.5	2.1	11.9	2.2	1.1	65.4	66.7
Saudi Arabia	531	22.6	22.6	21.7	12.1	40.2	2.7	0.6	24.1	21.1
Singapore	870	82.3	82.3	9.5	0.9	6.7	0.6	0.0	82.5	82.1
Slovenia	602	63.8	63.8	15.5	4.4	13.5	1.9	0.9	63.8	63.7
South Africa	1790	17.9	17.9	12.2	14.8	51.5	2.4	1.2	17.6	18.2
Sweden	587	52.4	52.4	18.5	5.7	12.1	6.5	4.8	52.6	52.6
Thailand	918	22.6	22.6	14.8	11.0	47.2	3.9	0.6	23.6	21.2
Turkey	869	47.3	47.3	12.7	9.2	29.1	1.6	0.1	48.8	45.8
United Arab Emirates	2583	45.9	45.9	18.8	7.3	24.9	2.7	0.3	47.1	44.8
United States	1474	48.4	48.4	18.4	3.3	25.7	1.9	2.3	46.9	49.6
International Avg (n=39)	35993	48.5	48.5	17.7	6.9	22.5	3.3	1.1	48.5	48.5
Buenos Aires, Argentina	425	16.6	16.6	13.5	7.3	34.0	22.9	5.7	13.4	19.8
Ontario, Canada	649	58.0	58.0	18.0	3.5	13.9	1.4	5.2	57.0	58.8
Quebec, Canada	556	68.5	68.5	15.5	1.9	9.2	2.6	2.4	67.6	69.5
Norway (8)	686	45.9	45.9	19.3	6.2	23.1	4.3	1.2	45.8	46.1
Abu Dhabi, UAE	692	41.6	41.6	20.4	9.1	24.0	4.3	0.5	46.2	37.5
Dubai, UAE	881	55.9	55.9	16.0	5.3	20.8	1.8	0.0	53.3	58.9
Florida, US	298	48.2	48.2	14.1	5.7	30.5	1.2	0.3	50.3	46.3

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

M06_08B (M052121B): Algebra / Reasoning Type: CR 1 Point
Label: Area of the nth square

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	4.0	4.4	72.7	4.0	17.7	1.2	4.1	3.9
Bahrain	702	2.4	5.9	80.0	2.4	11.4	0.3	4.0	1.0
Botswana	845	0.0	1.8	89.2	0.0	5.4	3.6	0.1	0.0
Canada	1246	6.4	7.4	68.8	6.4	12.9	4.4	6.6	6.1
Chile	677	1.5	3.7	55.4	1.5	37.7	1.8	1.6	1.4
Chinese Taipei	821	50.5	14.7	25.8	50.5	8.9	0.2	53.3	47.6
Egypt	1122	2.0	5.9	66.8	2.0	24.7	0.6	2.9	0.8
England	692	8.8	11.0	61.1	8.8	18.0	1.0	8.7	9.0
Georgia	572	3.1	8.8	39.9	3.1	47.0	1.2	4.0	2.1
Hong Kong SAR	596	37.4	24.4	33.9	37.4	3.8	0.5	33.6	40.7
Hungary	704	10.0	9.0	48.1	10.0	32.6	0.3	7.3	12.7
Iran, Islamic Rep. of	885	5.4	11.2	57.5	5.4	23.4	2.5	6.1	4.7
Ireland	662	2.4	3.4	76.9	2.4	16.3	1.0	1.5	3.2
Israel	786	11.0	15.4	54.9	11.0	15.1	3.5	10.4	11.7
Italy	627	1.8	2.7	63.2	1.8	31.2	1.1	0.9	2.8
Japan	682	30.3	22.1	39.0	30.3	7.7	0.8	31.5	29.1
Jordan	1134	0.9	3.8	75.8	0.9	18.6	0.9	0.5	1.4
Kazakhstan	696	22.6	8.6	50.5	22.6	17.1	1.1	22.9	22.4
Korea, Rep. of	757	37.6	25.1	31.7	37.6	5.6	0.0	38.0	37.3
Kuwait	630	3.7	0.7	73.2	3.7	20.4	2.0	4.2	3.2
Lebanon	548	3.3	4.5	54.0	3.3	37.0	1.2	3.3	3.2
Lithuania	621	3.8	17.4	58.6	3.8	19.9	0.3	5.0	2.5
Malaysia	1378	4.5	5.6	70.3	4.5	16.6	2.9	4.8	4.3
Malta	545	4.5	8.1	63.4	4.5	23.0	0.9	4.1	5.0
Morocco	1875	0.7	5.4	60.7	0.7	31.1	2.0	0.6	0.9
New Zealand	1120	5.5	5.2	73.4	5.5	15.2	0.6	4.0	7.0
Norway	674	2.3	5.4	57.8	2.3	32.9	1.7	1.5	3.1
Oman	1253	2.5	8.7	75.9	2.5	12.2	0.8	2.6	2.3
Qatar	771	3.4	6.2	71.3	3.4	18.2	0.9	2.5	4.2
Russian Federation	677	11.8	16.8	40.9	11.8	29.4	1.1	12.6	11.0
Saudi Arabia	532	1.7	0.5	76.8	1.7	20.2	0.8	1.2	2.3
Singapore	870	51.8	15.4	29.5	51.8	3.2	0.0	54.9	49.1
Slovenia	602	5.3	14.6	52.1	5.3	26.7	1.3	5.1	5.5
South Africa	1790	0.5	1.7	88.1	0.5	7.8	1.8	0.2	0.8
Sweden	587	4.6	6.8	53.9	4.6	28.6	6.1	4.0	5.1
Thailand	918	3.6	7.2	69.7	3.6	18.6	0.9	3.5	3.8
Turkey	869	6.2	11.1	61.7	6.2	20.8	0.2	7.5	5.0
United Arab Emirates	2583	7.5	8.3	70.7	7.5	13.2	0.3	7.1	7.9
United States	1474	5.1	6.5	78.5	5.1	6.8	3.0	4.6	5.5
International Avg (n=39)	35990	9.5	8.9	60.8	9.5	19.4	1.4	9.5	9.5
Buenos Aires, Argentina	429	0.8	0.4	32.2	0.8	60.4	6.2	1.0	0.7
Ontario, Canada	649	7.3	7.1	69.4	7.3	10.6	5.7	7.8	6.6
Quebec, Canada	556	6.2	9.3	63.6	6.2	18.4	2.5	5.7	6.8
Norway (8)	686	0.4	2.1	57.8	0.4	38.3	1.4	0.5	0.2
Abu Dhabi, UAE	692	4.1	7.1	74.6	4.1	13.7	0.5	3.9	4.3
Dubai, UAE	881	10.8	10.4	67.3	10.8	11.4	0.0	10.5	11.2
Florida, US	298	3.5	4.0	85.0	3.5	7.2	0.3	4.6	2.5

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.

M06_09 (M052042): Geometry / Applying Type: CR 1 Point
Label: Length of the side of the triangle

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	30.2	61.7	30.2	6.8	1.3	31.2	29.1
Bahrain	703	23.4	67.8	23.4	8.6	0.3	29.1	18.0
Botswana	845	5.4	88.4	5.4	2.4	3.8	4.6	6.3
Canada	1246	31.9	56.5	31.9	7.1	4.5	28.2	35.2
Chile	677	23.0	56.2	23.0	19.0	1.8	21.3	24.7
Chinese Taipei	821	79.3	17.4	79.3	3.2	0.2	79.9	78.6
Egypt	1122	28.5	64.1	28.5	6.7	0.7	29.0	27.9
England	692	35.1	59.6	35.1	4.3	1.0	37.0	32.7
Georgia	572	37.7	49.4	37.7	11.7	1.2	38.3	37.1
Hong Kong SAR	596	73.3	24.6	73.3	1.6	0.5	70.4	75.6
Hungary	704	47.0	46.1	47.0	6.5	0.3	49.0	44.9
Iran, Islamic Rep. of	885	38.4	50.3	38.4	8.7	2.6	41.2	35.9
Ireland	662	28.1	67.1	28.1	3.4	1.3	24.7	31.3
Israel	786	39.1	49.1	39.1	8.2	3.6	38.2	40.1
Italy	626	64.7	27.9	64.7	6.3	1.2	67.9	61.5
Japan	682	32.7	61.0	32.7	5.5	0.8	30.3	35.1
Jordan	1134	19.9	71.4	19.9	7.7	1.0	21.6	18.2
Kazakhstan	696	55.4	39.8	55.4	3.5	1.4	57.1	53.6
Korea, Rep. of	757	47.4	49.7	47.4	2.8	0.1	45.0	49.4
Kuwait	630	13.9	73.2	13.9	10.4	2.4	12.0	16.0
Lebanon	548	44.4	44.0	44.4	9.7	1.8	44.9	44.0
Lithuania	621	37.1	56.3	37.1	6.3	0.3	38.2	35.9
Malaysia	1378	26.1	65.1	26.1	5.5	3.2	26.2	26.0
Malta	545	39.5	54.5	39.5	5.2	0.9	39.1	39.8
Morocco	1879	18.2	70.4	18.2	9.0	2.3	18.0	18.3
New Zealand	1120	24.8	67.8	24.8	6.7	0.6	21.9	27.8
Norway	674	36.2	50.6	36.2	11.1	2.0	34.2	38.2
Oman	1252	14.2	79.6	14.2	5.2	1.0	12.3	15.9
Qatar	771	20.9	69.5	20.9	8.5	1.1	18.5	23.1
Russian Federation	677	54.1	38.0	54.1	6.7	1.2	53.3	54.8
Saudi Arabia	532	12.6	81.4	12.6	5.3	0.8	13.8	11.2
Singapore	870	82.9	16.5	82.9	0.6	0.0	82.9	82.9
Slovenia	602	28.9	61.8	28.9	8.0	1.3	28.9	28.8
South Africa	1790	19.1	76.4	19.1	2.3	2.2	20.0	18.2
Sweden	587	28.2	54.7	28.2	10.7	6.4	27.9	28.4
Thailand	918	21.4	70.6	21.4	7.1	1.0	22.1	20.4
Turkey	869	54.9	40.4	54.9	4.5	0.2	60.2	50.0
United Arab Emirates	2583	33.2	61.5	33.2	4.5	0.9	33.9	32.4
United States	1474	45.7	49.7	45.7	1.5	3.1	47.8	43.4
International Avg (n=39)	35993	35.8	56.2	35.8	6.5	1.5	35.9	35.7
Buenos Aires, Argentina	429	18.5	47.6	18.5	27.3	6.6	19.7	17.2
Ontario, Canada	649	38.0	51.0	38.0	5.3	5.8	36.3	39.3
Quebec, Canada	556	14.6	70.4	14.6	12.5	2.6	12.0	17.6
Norway (8)	686	27.7	60.6	27.7	10.0	1.7	29.7	25.5
Abu Dhabi, UAE	692	27.5	65.7	27.5	5.3	1.5	30.2	25.1
Dubai, UAE	881	43.8	52.0	43.8	3.5	0.7	42.2	45.6
Florida, US	298	40.8	56.2	40.8	2.4	0.5	40.0	41.6

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.

M06_10 (M052047): Geometry / Applying Type: CR 1 Point
Label: Value of angle y in a triangle

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	36.0	5.5	50.8	36.0	6.2	1.5	35.7	36.2
Bahrain	703	17.4	6.0	67.8	17.4	8.5	0.3	19.1	15.8
Botswana	845	16.1	1.6	75.7	16.1	2.5	4.1	14.0	18.3
Canada	1246	44.6	7.5	38.4	44.6	4.6	5.0	44.8	44.4
Chile	677	18.8	5.1	51.3	18.8	23.1	1.8	16.5	21.2
Chinese Taipei	821	80.2	3.2	13.6	80.2	2.9	0.2	81.2	79.0
Egypt	1122	36.0	2.4	53.0	36.0	7.8	0.8	40.3	31.1
England	692	46.2	4.0	45.1	46.2	3.6	1.0	47.4	44.8
Georgia	572	37.3	1.4	44.3	37.3	15.9	1.2	35.6	38.9
Hong Kong SAR	596	86.7	1.1	10.8	86.7	0.9	0.5	87.9	85.8
Hungary	704	52.4	5.2	36.1	52.4	6.0	0.3	53.0	51.8
Iran, Islamic Rep. of	885	41.4	2.7	46.2	41.4	6.8	3.0	44.1	38.9
Ireland	662	47.7	4.4	43.0	47.7	3.3	1.5	48.1	47.4
Israel	786	45.5	3.0	39.2	45.5	8.4	3.9	43.8	47.4
Italy	627	34.8	12.5	37.0	34.8	14.6	1.2	36.5	33.0
Japan	682	81.1	0.8	16.3	81.1	1.0	0.8	79.6	82.7
Jordan	1134	22.5	2.2	68.0	22.5	6.2	1.2	25.3	19.4
Kazakhstan	696	57.3	1.1	33.5	57.3	6.7	1.4	60.0	54.4
Korea, Rep. of	757	87.3	1.1	10.8	87.3	0.7	0.1	89.3	85.6
Kuwait	630	21.1	2.5	63.4	21.1	10.1	2.8	23.4	18.9
Lebanon	546	55.8	3.7	29.4	55.8	9.3	1.8	59.4	51.9
Lithuania	621	44.9	4.4	46.1	44.9	4.2	0.4	48.2	41.5
Malaysia	1378	35.5	3.0	50.3	35.5	7.5	3.7	36.2	34.9
Malta	545	58.4	2.7	32.5	58.4	5.4	0.9	60.8	56.2
Morocco	1858	15.8	14.0	56.4	15.8	11.4	2.4	17.6	14.4
New Zealand	1120	32.6	6.2	52.9	32.6	7.5	0.8	34.2	31.0
Norway	674	22.6	6.9	60.6	22.6	7.2	2.7	21.3	23.9
Oman	1253	25.2	3.1	64.1	25.2	6.6	1.0	28.1	22.5
Qatar	771	30.3	5.5	56.9	30.3	5.6	1.7	28.9	31.6
Russian Federation	677	59.9	2.3	28.5	59.9	7.7	1.6	61.8	58.3
Saudi Arabia	532	7.4	4.2	79.7	7.4	7.7	1.0	8.1	6.8
Singapore	870	90.2	0.2	9.3	90.2	0.3	0.0	89.2	91.1
Slovenia	602	50.0	8.1	36.9	50.0	3.6	1.4	52.2	47.7
South Africa	1790	18.9	7.0	68.6	18.9	3.1	2.4	20.0	17.8
Sweden	586	19.0	8.5	53.3	19.0	12.6	6.7	19.4	18.7
Thailand	918	20.1	7.8	61.6	20.1	9.6	1.0	24.1	15.2
Turkey	869	40.7	3.2	50.1	40.7	5.8	0.2	42.3	39.2
United Arab Emirates	2583	37.6	5.6	50.1	37.6	5.8	0.9	39.2	36.1
United States	1474	30.9	7.7	54.9	30.9	3.1	3.4	29.2	32.2
International Avg (n=39)	35971	41.2	4.6	45.8	41.2	6.8	1.7	42.2	40.2
Buenos Aires, Argentina	429	15.1	7.1	41.1	15.1	29.5	7.2	13.0	17.2
Ontario, Canada	649	40.6	7.6	42.8	40.6	2.9	6.0	43.3	38.2
Quebec, Canada	556	58.8	3.9	27.4	58.8	6.4	3.5	53.3	65.2
Norway (8)	686	21.1	8.7	60.4	21.1	8.2	1.7	21.8	20.2
Abu Dhabi, UAE	692	31.4	6.8	55.2	31.4	5.2	1.5	32.7	30.2
Dubai, UAE	881	49.9	3.8	41.9	49.9	3.4	1.0	50.3	49.4
Florida, US	298	24.6	13.5	55.6	24.6	5.4	0.9	23.3	25.8

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.

M06_11 (M052044): Geometry / Reasoning Type: MC Key: A
Label: Point equidistant from P and Q

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	51.4	51.4	23.1	14.7	5.3	3.6	1.8	50.5	52.2
Bahrain	703	47.9	47.9	25.3	17.9	7.1	1.2	0.5	47.6	48.2
Botswana	844	43.9	43.9	17.3	17.2	11.8	4.6	5.3	42.9	45.0
Canada	1246	50.7	50.7	20.8	12.1	6.7	4.1	5.6	50.5	50.8
Chile	677	40.7	40.7	27.6	14.7	9.4	5.8	1.8	42.2	39.2
Chinese Taipei	821	70.2	70.2	12.8	12.2	4.3	0.4	0.2	70.0	70.4
Egypt	1122	32.2	32.2	26.0	25.1	11.6	3.9	1.2	33.3	31.0
England	692	54.0	54.0	23.8	13.4	5.2	2.6	1.0	54.9	53.0
Georgia	572	45.8	45.8	20.3	19.0	6.6	7.0	1.4	42.5	49.1
Hong Kong SAR	596	55.2	55.2	20.4	18.0	4.3	1.6	0.5	49.6	60.0
Hungary	704	63.9	63.9	13.9	13.2	6.4	2.1	0.5	66.8	60.8
Iran, Islamic Rep. of	885	41.1	41.1	16.8	18.6	8.6	11.2	3.6	40.1	42.0
Ireland	662	44.5	44.5	25.8	19.8	5.8	2.6	1.5	40.2	48.5
Israel	786	45.3	45.3	21.5	18.6	5.7	3.9	5.1	43.7	47.1
Italy	627	56.8	56.8	11.9	16.3	6.3	7.1	1.5	57.5	56.1
Japan	682	64.0	64.0	13.7	15.1	4.3	2.1	0.8	64.4	63.5
Jordan	1134	42.5	42.5	20.1	23.2	10.1	2.7	1.4	46.2	38.5
Kazakhstan	695	65.2	65.2	12.2	14.2	3.6	3.4	1.4	63.6	67.0
Korea, Rep. of	757	60.0	60.0	16.9	15.1	5.9	2.1	0.1	57.8	61.8
Kuwait	630	34.7	34.7	27.4	21.2	8.1	5.1	3.5	35.9	33.0
Lebanon	548	33.6	33.6	26.5	17.0	5.4	15.7	1.8	35.0	32.1
Lithuania	621	62.9	62.9	14.7	11.6	8.0	2.4	0.4	65.7	60.0
Malaysia	1378	43.5	43.5	18.3	21.9	7.8	4.3	4.1	43.3	43.7
Malta	545	39.8	39.8	27.5	22.4	4.6	4.4	1.3	39.4	40.2
Morocco	1880	47.9	47.9	22.6	15.0	7.7	3.9	2.9	48.2	47.6
New Zealand	1120	53.6	53.6	20.9	16.1	5.0	3.1	1.3	51.6	55.7
Norway	674	52.8	52.8	20.6	13.6	4.5	5.6	2.8	54.2	51.5
Oman	1246	34.8	34.8	30.9	22.7	6.9	3.2	1.5	36.5	33.2
Qatar	770	42.3	42.3	28.1	17.7	6.2	3.8	1.9	43.6	41.0
Russian Federation	677	61.4	61.4	14.8	11.4	5.0	5.5	1.9	59.6	63.0
Saudi Arabia	530	44.0	44.0	23.7	19.2	10.8	1.1	1.2	49.0	38.8
Singapore	870	57.0	57.0	19.2	16.3	6.4	1.1	0.0	56.8	57.1
Slovenia	602	65.3	65.3	15.7	9.3	6.7	1.7	1.4	67.9	62.6
South Africa	1790	49.0	49.0	21.6	15.6	7.7	3.5	2.6	48.7	49.3
Sweden	586	39.6	39.6	22.7	14.2	6.7	9.6	7.2	36.3	42.1
Thailand	918	39.2	39.2	23.0	23.8	7.8	4.8	1.3	38.5	40.1
Turkey	869	47.8	47.8	19.0	23.1	8.5	1.0	0.5	50.3	45.6
United Arab Emirates	2583	40.0	40.0	28.4	17.9	9.7	3.0	1.1	42.9	37.2
United States	1474	48.8	48.8	21.0	17.6	6.4	2.1	4.1	45.8	51.5
International Avg (n=39)	35983	49.1	49.1	20.9	17.1	6.9	4.0	2.0	49.1	49.0
Buenos Aires, Argentina	422	29.5	29.5	18.4	15.6	6.4	22.9	7.4	29.1	29.8
Ontario, Canada	649	51.8	51.8	19.8	12.0	6.8	3.2	6.5	53.1	50.5
Quebec, Canada	556	49.8	49.8	18.5	13.6	6.8	6.7	4.7	49.0	50.8
Norway (8)	686	43.5	43.5	30.3	10.5	6.4	6.9	2.4	42.2	45.1
Abu Dhabi, UAE	692	37.8	37.8	30.4	17.7	8.8	3.6	1.6	40.2	35.6
Dubai, UAE	881	48.3	48.3	24.8	17.4	6.3	2.0	1.2	47.0	49.7
Florida, US	298	48.2	48.2	26.7	15.1	6.3	2.7	1.1	50.9	45.7

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

M06_12A (M052422A): Data and Chance / Applying Type: MC Key: B
Label: Blue color on the spinners

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	81.4	10.5	81.4	2.2	2.2	1.4	2.3	83.2	79.6
Bahrain	703	65.1	20.6	65.1	5.7	6.9	1.1	0.5	68.0	62.4
Botswana	844	52.3	23.0	52.3	9.0	6.7	2.0	7.1	56.0	48.2
Canada	1244	79.0	9.4	79.0	1.3	2.2	1.8	6.2	80.4	77.6
Chile	677	65.6	11.5	65.6	7.5	9.2	4.2	2.1	62.3	68.9
Chinese Taipei	821	84.2	7.9	84.2	2.2	5.3	0.2	0.2	85.1	83.2
Egypt	1122	53.0	19.3	53.0	12.0	11.4	3.1	1.3	53.5	52.4
England	692	83.0	10.6	83.0	1.6	1.9	1.2	1.7	85.2	80.5
Georgia	572	42.5	23.8	42.5	13.5	9.6	9.2	1.5	41.9	43.1
Hong Kong SAR	596	78.8	10.9	78.8	3.9	5.0	0.9	0.5	79.4	78.2
Hungary	704	73.2	13.2	73.2	4.5	7.0	0.8	1.2	71.5	74.9
Iran, Islamic Rep. of	885	59.7	13.7	59.7	7.4	11.4	2.9	5.0	61.9	57.6
Ireland	662	81.7	12.6	81.7	1.2	2.3	0.6	1.6	78.4	84.7
Israel	786	73.2	10.1	73.2	3.5	4.1	3.1	5.9	68.3	78.5
Italy	627	65.1	16.6	65.1	5.8	8.2	2.1	2.1	62.1	68.1
Japan	682	83.9	7.2	83.9	3.1	4.2	0.7	1.0	82.6	85.3
Jordan	1134	49.3	25.6	49.3	6.7	13.2	3.4	1.9	54.9	43.2
Kazakhstan	695	49.4	24.8	49.4	9.8	9.6	4.9	1.5	50.2	48.4
Korea, Rep. of	757	91.7	4.7	91.7	2.1	1.2	0.2	0.3	92.6	90.9
Kuwait	630	53.3	24.6	53.3	8.2	6.8	3.3	3.7	59.1	47.1
Lebanon	548	48.6	22.2	48.6	8.8	5.1	11.6	3.8	45.9	51.4
Lithuania	621	67.1	17.5	67.1	3.2	9.7	1.9	0.5	62.8	71.8
Malaysia	1378	58.1	16.6	58.1	12.1	5.5	2.9	4.8	58.5	57.6
Malta	545	67.0	23.3	67.0	4.4	2.8	0.9	1.6	67.4	66.5
Morocco	1879	42.0	26.5	42.0	12.6	12.3	3.6	3.0	43.4	40.7
New Zealand	1120	74.2	14.6	74.2	3.7	3.2	2.6	1.7	73.2	75.1
Norway	674	74.8	9.9	74.8	2.0	4.9	4.1	4.3	75.2	74.4
Oman	1255	49.5	27.1	49.5	9.4	9.5	2.8	1.6	55.3	44.4
Qatar	771	58.2	23.1	58.2	8.0	6.8	1.5	2.4	58.9	57.6
Russian Federation	677	57.8	23.3	57.8	3.9	7.7	4.3	3.0	54.7	60.4
Saudi Arabia	530	52.7	26.4	52.7	9.5	8.5	1.6	1.3	58.6	46.3
Singapore	870	79.4	12.4	79.4	2.6	4.6	0.7	0.3	78.0	80.7
Slovenia	602	65.5	18.5	65.5	4.1	8.3	2.1	1.6	62.2	68.6
South Africa	1790	54.9	23.9	54.9	8.9	7.3	1.4	3.6	57.9	51.8
Sweden	587	62.3	15.6	62.3	1.7	3.2	9.1	8.1	62.9	62.1
Thailand	918	57.9	14.3	57.9	13.6	9.8	2.8	1.6	61.3	53.9
Turkey	869	69.0	16.2	69.0	6.1	7.2	0.8	0.8	74.6	63.8
United Arab Emirates	2583	63.7	19.6	63.7	6.8	6.7	1.9	1.3	66.1	61.4
United States	1474	78.5	10.7	78.5	2.5	2.5	1.0	4.8	78.6	78.3
International Avg (n=39)	35991	65.3	17.0	65.3	6.0	6.5	2.7	2.5	66.0	64.6
Buenos Aires, Argentina	418	51.6	14.3	51.6	6.1	5.9	12.6	9.4	51.2	52.1
Ontario, Canada	649	76.1	11.2	76.1	1.0	1.8	2.4	7.4	78.4	74.1
Quebec, Canada	554	83.5	6.4	83.5	1.6	2.5	1.0	4.9	85.6	81.2
Norway (8)	686	74.5	9.4	74.5	2.7	7.2	3.2	2.9	76.1	72.7
Abu Dhabi, UAE	692	59.4	20.6	59.4	7.7	8.9	1.4	2.0	62.3	56.8
Dubai, UAE	881	73.0	15.5	73.0	4.3	3.7	2.2	1.3	74.4	71.5
Florida, US	298	75.7	12.1	75.7	6.2	3.4	0.7	2.0	77.1	74.5

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

M06_12B (M052422B): Data and Chance / Applying Type: MC Key: D
Label: Red color on the spinners

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	70.1	9.6	13.7	2.6	70.1	1.3	2.7	73.0	67.2
Bahrain	703	55.4	11.1	22.3	9.7	55.4	0.8	0.6	59.4	51.6
Botswana	844	29.7	16.3	27.5	16.2	29.7	2.0	8.2	32.7	26.5
Canada	1245	69.3	8.2	11.3	2.1	69.3	1.9	7.1	71.2	67.6
Chile	677	47.3	14.9	22.7	8.5	47.3	3.1	3.5	45.7	49.0
Chinese Taipei	821	74.2	11.4	9.6	4.4	74.2	0.1	0.3	75.7	72.5
Egypt	1122	36.3	14.5	26.6	18.0	36.3	2.6	2.0	36.9	35.6
England	692	68.2	11.9	15.0	1.9	68.2	0.9	2.1	69.9	66.2
Georgia	572	25.1	20.6	22.8	19.7	25.1	9.6	2.0	24.3	26.0
Hong Kong SAR	596	71.2	12.2	10.0	4.5	71.2	1.6	0.5	75.4	67.7
Hungary	704	66.7	10.4	14.5	6.3	66.7	0.8	1.4	63.7	69.9
Iran, Islamic Rep. of	885	43.9	12.4	25.3	9.3	43.9	3.5	5.6	48.5	39.6
Ireland	662	65.0	12.4	18.9	1.1	65.0	0.6	1.9	64.8	65.2
Israel	786	52.6	11.4	18.9	6.9	52.6	3.3	7.0	49.3	56.1
Italy	627	56.7	15.9	14.9	5.5	56.7	4.6	2.3	54.4	59.0
Japan	682	74.5	13.9	7.1	2.9	74.5	0.4	1.2	77.8	71.1
Jordan	1134	39.1	15.2	27.4	12.6	39.1	2.9	2.9	43.1	34.8
Kazakhstan	695	38.7	17.9	22.0	13.2	38.7	5.4	2.8	39.2	38.1
Korea, Rep. of	757	70.0	16.1	10.8	2.5	70.0	0.5	0.3	76.1	64.9
Kuwait	630	32.5	14.2	30.9	13.7	32.5	4.2	4.4	30.6	34.1
Lebanon	547	26.9	15.0	21.2	20.6	26.9	11.1	5.2	26.6	27.1
Lithuania	621	54.0	18.4	18.5	6.4	54.0	1.6	1.0	53.6	54.5
Malaysia	1378	35.7	18.3	20.7	14.6	35.7	4.8	6.0	36.5	34.9
Malta	545	56.7	9.6	22.6	8.5	56.7	0.7	2.0	55.4	57.9
Morocco	1879	32.7	16.7	29.3	13.5	32.7	4.0	3.8	34.2	31.4
New Zealand	1120	62.4	11.5	17.2	4.3	62.4	1.9	2.7	62.8	62.1
Norway	674	66.9	10.4	10.3	3.4	66.9	3.3	5.8	68.6	65.2
Oman	1255	32.8	17.6	28.3	13.6	32.8	5.4	2.3	34.7	31.1
Qatar	771	43.2	15.3	25.3	11.4	43.2	2.1	2.6	44.4	42.1
Russian Federation	677	45.7	19.5	17.9	9.1	45.7	3.8	4.0	44.6	46.6
Saudi Arabia	531	34.7	13.8	31.1	16.4	34.7	2.2	1.9	37.8	31.3
Singapore	870	71.2	9.9	11.9	6.2	71.2	0.3	0.5	70.5	71.8
Slovenia	602	56.7	16.4	14.5	8.1	56.7	2.1	2.1	58.5	54.9
South Africa	1790	29.6	17.2	32.1	15.1	29.6	1.6	4.3	30.7	28.5
Sweden	587	60.2	10.3	8.5	6.0	60.2	5.1	9.8	64.2	57.4
Thailand	918	45.5	16.9	20.2	12.2	45.5	3.1	2.2	48.6	41.7
Turkey	869	48.3	16.4	25.9	6.5	48.3	1.8	1.0	49.5	47.2
United Arab Emirates	2583	48.5	13.3	23.4	10.8	48.5	2.2	1.8	48.4	48.6
United States	1474	64.2	10.0	16.9	2.9	64.2	0.8	5.2	66.4	61.9
International Avg (n=39)	35992	51.3	14.0	19.7	9.0	51.3	2.8	3.2	52.5	50.2
Buenos Aires, Argentina	416	42.3	11.2	17.8	6.5	42.3	11.4	10.7	44.0	40.7
Ontario, Canada	649	66.5	8.1	11.8	2.6	66.5	2.4	8.6	68.5	64.9
Quebec, Canada	555	73.9	7.5	10.7	1.3	73.9	1.4	5.2	76.3	71.1
Norway (8)	686	58.2	13.8	17.7	3.5	58.2	3.0	3.8	60.3	55.8
Abu Dhabi, UAE	692	47.7	15.5	21.0	12.0	47.7	1.5	2.3	48.1	47.4
Dubai, UAE	881	56.2	11.0	20.7	7.6	56.2	2.2	2.3	53.4	59.1
Florida, US	298	55.5	12.8	24.2	4.4	55.5	0.4	2.7	64.0	47.9

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

M06_13 (M052505): Data and Chance / Knowing Type: MC Key: B
Label: Pizzas sold by a shop

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1467	87.0	4.8	87.0	2.5	1.3	1.4	3.0	87.7	86.4
Bahrain	702	75.4	8.5	75.4	10.0	4.6	0.9	0.6	78.3	72.6
Botswana	844	58.8	15.3	58.8	9.4	6.5	1.2	8.8	62.1	55.2
Canada	1245	85.8	3.4	85.8	1.5	0.7	1.2	7.4	85.4	86.1
Chile	677	69.7	11.5	69.7	8.0	4.9	2.1	3.8	64.4	75.1
Chinese Taipei	821	94.6	1.7	94.6	2.4	1.0	0.0	0.3	94.9	94.4
Egypt	1121	54.6	11.7	54.6	21.0	8.2	2.5	2.1	55.2	53.9
England	692	92.4	2.3	92.4	1.0	1.3	0.6	2.4	93.4	91.2
Georgia	572	81.1	6.6	81.1	4.7	1.7	3.7	2.3	79.8	82.4
Hong Kong SAR	596	95.2	1.1	95.2	1.8	0.4	0.8	0.6	96.4	94.2
Hungary	704	86.2	4.8	86.2	4.6	2.5	0.4	1.5	85.8	86.5
Iran, Islamic Rep. of	885	70.1	8.3	70.1	10.3	3.1	2.4	5.8	70.5	69.6
Ireland	662	89.8	4.0	89.8	1.6	1.6	1.0	2.0	89.5	90.2
Israel	786	78.0	6.6	78.0	5.0	2.3	0.8	7.3	75.4	80.7
Italy	627	84.8	6.1	84.8	3.7	1.1	1.6	2.6	82.9	86.7
Japan	682	93.2	2.1	93.2	1.4	2.0	0.1	1.2	93.6	92.8
Jordan	1134	58.0	12.8	58.0	15.6	6.9	3.2	3.4	56.4	59.9
Kazakhstan	696	73.1	9.7	73.1	10.0	2.6	1.9	2.7	73.9	72.2
Korea, Rep. of	757	94.8	1.8	94.8	1.7	1.3	0.1	0.3	93.8	95.6
Kuwait	630	65.6	13.8	65.6	8.4	4.3	3.4	4.4	68.2	62.8
Lebanon	548	64.4	6.1	64.4	12.0	4.5	7.5	5.5	67.4	61.1
Lithuania	621	88.9	5.4	88.9	2.0	2.3	0.4	1.0	88.3	89.5
Malaysia	1378	75.3	9.1	75.3	5.3	2.2	1.3	6.8	73.5	77.0
Malta	545	83.5	6.0	83.5	4.8	2.4	1.2	2.2	83.4	83.6
Morocco	1880	60.0	10.6	60.0	16.4	6.6	2.6	3.9	59.0	60.8
New Zealand	1120	85.4	7.4	85.4	2.0	0.9	1.6	2.8	85.7	85.0
Norway	674	83.9	2.6	83.9	3.6	1.1	2.7	6.1	83.9	83.9
Oman	1255	61.0	13.3	61.0	16.9	5.4	1.2	2.3	62.5	59.7
Qatar	771	68.6	12.5	68.6	9.9	4.8	1.5	2.7	68.5	68.7
Russian Federation	677	83.8	4.7	83.8	4.9	0.8	1.5	4.3	84.5	83.1
Saudi Arabia	531	56.1	14.3	56.1	15.2	12.3	0.0	2.1	57.7	54.4
Singapore	870	96.1	2.1	96.1	0.4	0.6	0.2	0.5	96.8	95.6
Slovenia	602	90.1	4.2	90.1	1.8	0.5	1.2	2.1	88.2	92.0
South Africa	1790	56.8	14.3	56.8	14.5	7.6	2.2	4.5	59.2	54.4
Sweden	587	77.8	4.0	77.8	3.0	2.3	2.7	10.2	78.5	77.7
Thailand	918	81.0	6.3	81.0	7.7	2.1	0.7	2.2	82.3	79.4
Turkey	869	75.0	9.7	75.0	8.7	5.3	0.2	1.1	76.2	73.9
United Arab Emirates	2582	78.6	7.8	78.6	6.9	2.9	1.5	2.2	81.6	75.8
United States	1474	84.1	6.0	84.1	2.0	1.7	0.6	5.6	83.6	84.8
International Avg (n=39)	35992	77.9	7.3	77.9	6.7	3.2	1.5	3.4	78.2	77.7
Buenos Aires, Argentina	426	55.8	8.2	55.8	10.0	4.7	10.7	10.5	56.5	55.1
Ontario, Canada	649	83.6	3.7	83.6	1.4	0.8	1.6	8.9	83.5	83.6
Quebec, Canada	555	90.0	1.8	90.0	1.3	0.7	0.7	5.4	89.0	91.2
Norway (8)	686	80.5	6.5	80.5	3.5	2.3	3.1	4.1	79.4	81.7
Abu Dhabi, UAE	692	74.0	8.3	74.0	8.7	3.6	2.4	2.9	77.2	71.1
Dubai, UAE	881	86.5	4.8	86.5	3.7	1.7	0.8	2.5	86.7	86.3
Florida, US	298	82.0	8.5	82.0	4.5	2.4	0.0	2.7	82.1	81.9

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

M07_01 (M042015): Number / Knowing Type: MC Key: C
Label: What is the value of cube of 3

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	65.9	3.7	29.1	65.9	0.7	0.4	0.2	66.7	65.0
Bahrain	695	69.9	6.0	22.0	69.9	1.9	0.0	0.3	76.1	64.1
Botswana	855	39.4	9.2	46.4	39.4	3.9	1.0	0.0	41.9	36.9
Canada	1242	75.8	2.0	20.4	75.8	0.8	0.4	0.6	76.0	75.6
Chile	677	74.7	6.0	17.2	74.7	0.8	1.1	0.2	69.8	79.6
Chinese Taipei	820	86.2	1.3	12.1	86.2	0.2	0.2	0.0	87.1	85.2
Egypt	1107	72.9	6.2	17.6	72.9	2.4	0.7	0.2	78.2	66.8
England	676	68.7	1.9	27.8	68.7	1.0	0.4	0.0	68.6	68.9
Georgia	579	64.2	3.3	28.8	64.2	2.8	0.3	0.5	65.8	62.7
Hong Kong SAR	596	88.5	0.5	9.8	88.5	0.5	0.4	0.3	87.0	89.8
Hungary	707	77.2	2.0	19.4	77.2	0.8	0.5	0.0	75.4	79.1
Iran, Islamic Rep. of	863	67.7	3.3	28.2	67.7	0.7	0.0	0.1	69.9	65.8
Ireland	666	78.6	1.5	19.3	78.6	0.2	0.2	0.2	80.5	76.5
Israel	771	69.9	3.5	24.9	69.9	1.1	0.3	0.2	73.1	67.2
Italy	640	87.5	0.6	10.7	87.5	0.6	0.7	0.0	88.6	86.2
Japan	682	85.6	0.3	13.4	85.6	0.7	0.1	0.0	84.4	86.8
Jordan	1122	57.4	8.0	31.1	57.4	3.2	0.2	0.1	58.9	55.8
Kazakhstan	701	80.5	2.3	16.3	80.5	0.3	0.6	0.0	80.7	80.2
Korea, Rep. of	757	94.5	0.2	4.3	94.5	0.5	0.5	0.0	96.6	92.7
Kuwait	620	51.6	10.9	33.1	51.6	2.4	1.2	0.8	55.8	46.8
Lebanon	547	80.9	0.6	15.4	80.9	1.2	1.5	0.5	84.8	76.3
Lithuania	619	74.8	1.5	23.2	74.8	0.5	0.0	0.0	79.6	69.9
Malaysia	1393	75.2	3.9	18.5	75.2	2.2	0.1	0.2	80.7	69.5
Malta	541	68.9	6.4	21.3	68.9	2.3	1.0	0.2	68.8	68.9
Morocco	1853	35.2	10.5	50.0	35.2	2.3	1.9	0.1	36.4	34.2
New Zealand	1176	57.1	4.5	35.7	57.1	2.0	0.7	0.0	57.3	56.9
Norway	671	56.9	2.1	36.3	56.9	1.8	2.6	0.3	59.4	54.4
Oman	1258	59.5	10.3	27.4	59.5	2.1	0.6	0.1	65.3	54.4
Qatar	777	62.7	4.9	29.2	62.7	1.9	0.7	0.7	65.1	60.4
Russian Federation	685	83.9	0.8	15.1	83.9	0.2	0.0	0.0	84.7	83.1
Saudi Arabia	524	47.3	16.4	33.5	47.3	2.4	0.2	0.2	47.2	47.4
Singapore	872	89.6	0.5	9.6	89.6	0.1	0.2	0.0	92.3	87.1
Slovenia	606	92.6	0.3	6.4	92.6	0.2	0.5	0.0	92.6	92.7
South Africa	1789	61.9	8.1	28.3	61.9	1.1	0.5	0.1	64.9	59.0
Sweden	578	50.0	4.2	39.4	50.0	1.2	4.6	0.5	47.9	52.6
Thailand	920	59.4	6.0	32.5	59.4	1.9	0.1	0.0	68.3	48.3
Turkey	861	68.5	7.1	21.8	68.5	2.2	0.4	0.0	73.9	63.4
United Arab Emirates	2582	72.0	5.0	19.3	72.0	2.1	1.6	0.0	78.3	66.0
United States	1463	87.2	1.2	10.4	87.2	0.3	0.7	0.3	88.6	85.8
International Avg (n=39)	35966	70.3	4.3	23.2	70.3	1.4	0.7	0.2	72.2	68.3
Buenos Aires, Argentina	446	74.9	1.3	14.2	74.9	1.9	5.3	2.3	78.9	70.8
Ontario, Canada	647	72.8	2.5	22.5	72.8	1.2	0.5	0.4	72.9	72.7
Quebec, Canada	553	88.0	0.4	10.1	88.0	0.1	0.4	1.0	88.0	88.1
Norway (8)	696	33.0	5.4	54.4	33.0	4.7	2.5	0.1	35.2	30.8
Abu Dhabi, UAE	698	63.7	7.1	23.2	63.7	2.5	3.4	0.0	71.0	57.2
Dubai, UAE	877	84.8	2.4	11.7	84.8	0.5	0.5	0.0	87.6	81.5
Florida, US	302	86.7	0.9	10.4	86.7	1.0	0.8	0.2	86.7	86.7

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

M07_02 (M042196): Data and Chance / Knowing Type: MC Key: C
Label: Speed on the speedometer

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	68.5	10.6	16.4	68.5	2.2	2.1	0.2	66.5	70.8
Bahrain	695	42.2	21.4	25.6	42.2	10.0	0.5	0.3	37.0	47.1
Botswana	855	31.2	41.9	21.5	31.2	4.6	0.8	0.0	29.0	33.4
Canada	1241	65.0	12.2	19.1	65.0	2.5	0.6	0.6	60.1	69.8
Chile	677	43.9	19.7	28.6	43.9	6.2	1.3	0.3	38.4	49.6
Chinese Taipei	820	74.0	14.6	9.9	74.0	1.4	0.1	0.0	71.5	76.4
Egypt	1107	30.5	22.0	29.0	30.5	17.5	0.9	0.2	29.7	31.4
England	676	77.3	11.5	9.3	77.3	1.3	0.4	0.2	78.6	75.7
Georgia	579	39.8	17.6	30.2	39.8	11.2	0.7	0.5	36.5	42.9
Hong Kong SAR	596	89.2	5.7	2.4	89.2	2.1	0.4	0.3	90.7	87.8
Hungary	707	65.6	14.2	17.2	65.6	2.9	0.1	0.0	61.7	69.7
Iran, Islamic Rep. of	863	40.2	32.8	23.8	40.2	2.8	0.3	0.1	36.5	43.5
Ireland	666	63.3	13.3	18.4	63.3	4.7	0.0	0.2	58.5	68.7
Israel	771	66.5	7.8	16.1	66.5	9.1	0.2	0.2	63.1	69.4
Italy	640	59.4	14.3	20.5	59.4	4.3	1.4	0.1	58.2	60.6
Japan	682	87.8	4.4	7.1	87.8	0.5	0.1	0.0	88.6	87.0
Jordan	1122	29.4	25.5	32.0	29.4	12.7	0.4	0.1	26.8	32.3
Kazakhstan	701	54.9	12.9	27.2	54.9	4.8	0.2	0.0	51.0	59.2
Korea, Rep. of	757	77.0	14.6	7.1	77.0	1.3	0.0	0.0	78.0	76.1
Kuwait	620	30.7	28.4	27.9	30.7	10.1	2.0	0.8	23.9	37.7
Lebanon	548	35.3	26.0	28.5	35.3	6.9	2.9	0.5	32.4	38.6
Lithuania	619	63.2	13.1	20.3	63.2	3.3	0.0	0.0	59.0	67.5
Malaysia	1392	59.7	22.3	16.2	59.7	1.6	0.1	0.2	57.5	62.0
Malta	541	67.6	18.7	10.7	67.6	1.9	1.0	0.2	67.3	67.9
Morocco	1853	30.1	38.3	21.9	30.1	7.4	2.3	0.1	24.1	34.9
New Zealand	1176	65.4	15.6	16.1	65.4	2.2	0.7	0.0	63.9	67.1
Norway	671	69.8	7.9	17.6	69.8	2.7	1.7	0.3	71.6	67.9
Oman	1258	32.4	20.1	35.3	32.4	11.3	0.9	0.1	34.9	30.1
Qatar	777	41.3	16.9	31.1	41.3	9.7	0.4	0.7	35.4	47.0
Russian Federation	685	59.0	13.8	25.3	59.0	1.5	0.3	0.0	52.3	65.4
Saudi Arabia	525	34.3	22.2	29.6	34.3	13.2	0.5	0.2	29.3	39.6
Singapore	872	87.9	6.5	4.3	87.9	1.2	0.0	0.0	89.7	86.3
Slovenia	606	72.2	9.8	14.7	72.2	3.0	0.3	0.0	67.8	76.0
South Africa	1789	26.1	35.7	25.4	26.1	12.1	0.5	0.1	23.4	28.9
Sweden	578	64.9	8.6	18.3	64.9	5.4	2.2	0.6	64.3	66.5
Thailand	920	36.6	36.2	25.0	36.6	2.3	0.0	0.0	37.0	36.1
Turkey	861	42.1	26.3	22.1	42.1	9.3	0.1	0.0	38.1	46.0
United Arab Emirates	2582	49.9	17.3	23.3	49.9	8.3	1.1	0.0	46.5	53.0
United States	1463	68.2	11.8	15.0	68.2	3.9	0.8	0.3	66.4	70.1
International Avg (n=39)	35966	54.9	18.3	20.3	54.9	5.6	0.7	0.2	52.4	57.4
Buenos Aires, Argentina	444	34.8	22.3	26.4	34.8	6.3	8.1	2.1	27.3	42.5
Ontario, Canada	647	62.6	13.1	20.3	62.6	2.8	0.8	0.4	56.0	68.8
Quebec, Canada	552	72.0	10.1	14.6	72.0	1.7	0.4	1.0	68.3	75.9
Norway (8)	696	62.8	9.6	22.7	62.8	2.9	1.8	0.1	61.8	63.9
Abu Dhabi, UAE	698	41.6	20.1	27.9	41.6	9.3	1.1	0.1	39.0	44.0
Dubai, UAE	877	65.5	12.7	16.0	65.5	5.3	0.5	0.0	61.8	69.7
Florida, US	302	58.9	12.1	21.5	58.9	6.5	0.8	0.2	61.9	56.2

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

M07_03 (M042194): Number / Knowing Type: CR 1 Point
Label: Present of games the team lose

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	81.6	16.6	81.6	1.7	0.2	78.9	84.4
Bahrain	695	45.5	47.3	45.5	6.9	0.4	40.9	49.7
Botswana	856	31.9	65.4	31.9	2.7	0.0	34.8	29.0
Canada	1242	83.6	14.0	83.6	1.7	0.8	80.4	86.8
Chile	677	62.4	26.5	62.4	10.8	0.3	52.8	72.3
Chinese Taipei	820	87.4	10.2	87.4	2.4	0.0	86.3	88.5
Egypt	1107	39.5	54.7	39.5	5.6	0.2	37.0	42.5
England	676	84.5	13.8	84.5	1.5	0.2	83.4	85.7
Georgia	579	62.5	29.1	62.5	7.9	0.5	54.2	70.5
Hong Kong SAR	596	82.2	15.0	82.2	2.5	0.3	81.8	82.6
Hungary	707	82.7	15.1	82.7	2.2	0.0	76.2	89.7
Iran, Islamic Rep. of	863	56.6	37.5	56.6	5.9	0.1	47.2	65.1
Ireland	666	86.0	13.2	86.0	0.7	0.2	80.8	91.7
Israel	771	71.8	21.0	71.8	6.8	0.3	67.1	75.9
Italy	640	78.8	16.9	78.8	4.2	0.1	73.3	84.8
Japan	682	87.3	11.2	87.3	1.4	0.0	83.1	91.6
Jordan	1122	38.5	56.5	38.5	4.8	0.1	30.4	47.5
Kazakhstan	701	72.4	24.9	72.4	2.8	0.0	67.4	77.9
Korea, Rep. of	757	89.9	9.5	89.9	0.6	0.0	87.5	92.1
Kuwait	620	38.7	51.0	38.7	9.5	0.8	29.1	48.7
Lebanon	548	43.0	45.3	43.0	11.0	0.7	36.8	50.1
Lithuania	619	75.2	22.2	75.2	2.6	0.0	68.6	81.9
Malaysia	1393	48.1	47.5	48.1	4.3	0.2	44.9	51.4
Malta	541	68.6	27.3	68.6	3.9	0.2	63.2	73.8
Morocco	1859	31.6	59.0	31.6	9.3	0.1	22.8	38.7
New Zealand	1176	78.7	19.0	78.7	2.3	0.0	76.4	81.2
Norway	671	84.2	12.7	84.2	2.7	0.3	80.2	88.3
Oman	1257	31.6	62.8	31.6	5.5	0.1	23.0	39.3
Qatar	777	49.7	42.6	49.7	7.0	0.7	40.8	58.2
Russian Federation	685	75.5	20.2	75.5	4.1	0.1	68.9	81.7
Saudi Arabia	525	36.8	56.9	36.8	6.1	0.2	26.8	47.5
Singapore	872	93.4	6.1	93.4	0.5	0.0	93.0	93.8
Slovenia	606	80.9	15.2	80.9	3.9	0.0	77.1	84.2
South Africa	1789	25.5	72.8	25.5	1.6	0.1	22.1	28.9
Sweden	578	86.1	11.8	86.1	1.5	0.6	84.8	87.6
Thailand	920	55.9	40.8	55.9	3.3	0.0	54.3	57.8
Turkey	861	64.8	32.4	64.8	2.8	0.0	60.3	69.1
United Arab Emirates	2582	55.6	41.3	55.6	3.1	0.0	47.4	63.4
United States	1463	76.9	21.6	76.9	1.2	0.3	74.7	79.3
International Avg (n=39)	35974	64.8	30.9	64.8	4.1	0.2	60.0	69.6
Buenos Aires, Argentina	450	55.8	24.9	55.8	16.6	2.7	49.7	62.0
Ontario, Canada	647	84.8	12.9	84.8	1.6	0.7	84.5	85.2
Quebec, Canada	553	82.9	13.9	82.9	2.2	1.0	77.8	88.1
Norway (8)	696	81.2	16.2	81.2	2.5	0.1	81.1	81.3
Abu Dhabi, UAE	698	50.6	45.8	50.6	3.5	0.1	46.7	54.1
Dubai, UAE	877	68.5	29.4	68.5	2.2	0.0	58.7	79.4
Florida, US	302	66.0	32.6	66.0	1.2	0.2	63.6	68.1

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.

M07_04A (M042114A): Number / Knowing Type: CR 1 Point
Label: Complete the table

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	62.2	4.8	21.0	62.2	11.8	0.2	57.8	67.0
Bahrain	695	27.4	3.5	47.3	27.4	21.4	0.4	26.3	28.4
Botswana	856	18.2	4.6	53.1	18.2	24.1	0.0	14.7	21.8
Canada	1242	70.9	2.9	20.3	70.9	5.2	0.8	64.4	77.3
Chile	677	37.6	6.0	23.8	37.6	32.3	0.3	31.2	44.2
Chinese Taipei	820	73.4	3.7	14.5	73.4	8.4	0.0	70.2	76.6
Egypt	1107	34.2	5.9	33.5	34.2	26.3	0.2	33.2	35.4
England	676	70.4	2.2	18.4	70.4	8.9	0.2	69.2	71.7
Georgia	579	48.7	5.9	16.5	48.7	28.1	0.8	42.2	54.9
Hong Kong SAR	596	83.7	0.6	9.7	83.7	5.7	0.3	84.0	83.3
Hungary	707	67.9	5.3	15.7	67.9	11.1	0.0	57.6	78.9
Iran, Islamic Rep. of	863	38.5	3.3	35.5	38.5	22.6	0.1	31.5	44.9
Ireland	666	69.6	4.3	18.2	69.6	7.7	0.2	63.9	75.9
Israel	771	66.2	2.8	18.7	66.2	11.9	0.4	62.3	69.6
Italy	639	57.2	3.5	17.7	57.2	21.5	0.1	51.9	62.8
Japan	682	80.5	3.1	13.1	80.5	3.0	0.2	76.0	85.1
Jordan	1122	27.1	5.4	54.4	27.1	12.9	0.2	19.3	35.9
Kazakhstan	701	62.7	2.1	19.3	62.7	15.8	0.1	59.9	65.9
Korea, Rep. of	757	84.3	2.2	10.7	84.3	2.8	0.0	80.4	87.8
Kuwait	620	24.0	1.9	52.1	24.0	20.6	1.4	16.4	31.4
Lebanon	548	47.5	1.8	22.0	47.5	27.7	0.9	40.4	55.6
Lithuania	619	70.7	6.0	10.6	70.7	12.7	0.0	65.6	75.8
Malaysia	1393	34.0	3.1	48.3	34.0	14.3	0.4	27.9	40.2
Malta	541	52.7	2.5	29.6	52.7	15.1	0.2	48.0	57.2
Morocco	1859	42.4	7.9	31.2	42.4	18.4	0.2	40.0	44.3
New Zealand	1176	62.5	1.8	24.8	62.5	10.9	0.0	57.1	68.3
Norway	671	71.9	4.0	16.9	71.9	6.9	0.3	70.8	73.0
Oman	1257	23.4	6.6	51.9	23.4	17.9	0.1	20.9	25.6
Qatar	777	37.4	7.1	33.0	37.4	21.5	1.0	32.3	42.4
Russian Federation	685	69.7	3.2	15.5	69.7	11.5	0.1	60.0	78.8
Saudi Arabia	525	21.2	4.7	54.1	21.2	19.8	0.2	18.4	24.1
Singapore	872	86.3	1.4	10.4	86.3	1.8	0.0	87.1	85.6
Slovenia	606	72.6	3.9	16.9	72.6	6.6	0.0	65.7	78.6
South Africa	1789	22.0	1.6	63.6	22.0	12.7	0.1	19.5	24.4
Sweden	578	69.9	5.0	13.4	69.9	11.0	0.6	63.5	75.9
Thailand	920	33.9	5.5	38.2	33.9	22.4	0.0	35.1	32.4
Turkey	861	41.2	4.4	34.5	41.2	19.9	0.0	36.2	46.0
United Arab Emirates	2582	43.1	3.4	38.7	43.1	14.7	0.1	39.9	46.1
United States	1463	57.5	3.2	36.1	57.5	2.7	0.5	54.9	60.1
International Avg (n=39)	35973	52.9	3.9	28.3	52.9	14.6	0.3	48.6	57.3
Buenos Aires, Argentina	449	35.2	3.0	12.3	35.2	46.3	3.2	32.2	38.2
Ontario, Canada	647	66.7	2.8	25.5	66.7	4.3	0.7	61.6	71.4
Quebec, Canada	553	79.2	3.2	10.5	79.2	6.0	1.1	70.0	88.6
Norway (8)	696	66.2	3.7	16.9	66.2	13.1	0.1	61.5	70.6
Abu Dhabi, UAE	698	33.6	3.7	46.5	33.6	16.0	0.3	30.8	36.2
Dubai, UAE	877	61.1	2.6	26.3	61.1	10.1	0.0	58.8	63.6
Florida, US	302	49.1	1.7	43.2	49.1	5.9	0.2	48.2	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.

M07_04B (M042114B): Number / Applying Type: CR 1 Point
Label: Number of papers in a 28mm stack

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	49.4	38.6	49.4	11.9	0.2	45.0	54.1
Bahrain	695	21.5	57.2	21.5	20.9	0.4	20.1	22.8
Botswana	856	14.7	78.3	14.7	7.0	0.0	11.4	18.0
Canada	1242	60.7	32.8	60.7	5.5	1.1	54.3	67.0
Chile	677	27.6	39.5	27.6	32.6	0.3	23.1	32.3
Chinese Taipei	820	71.3	22.0	71.3	6.7	0.0	68.4	74.1
Egypt	1107	23.2	58.0	23.2	18.5	0.3	23.4	23.0
England	676	57.5	31.9	57.5	10.2	0.3	56.2	59.0
Georgia	579	39.2	29.5	39.2	30.5	0.8	34.0	44.1
Hong Kong SAR	596	78.5	17.2	78.5	4.0	0.3	77.5	79.3
Hungary	707	52.4	31.5	52.4	16.1	0.0	44.2	61.1
Iran, Islamic Rep. of	863	29.8	33.8	29.8	36.3	0.1	23.2	35.8
Ireland	666	57.2	32.3	57.2	10.3	0.2	50.7	64.4
Israel	771	57.2	28.8	57.2	13.4	0.5	53.9	60.0
Italy	640	50.0	23.6	50.0	26.4	0.1	44.0	56.3
Japan	682	72.1	22.1	72.1	5.5	0.4	66.8	77.5
Jordan	1122	20.0	62.7	20.0	17.1	0.2	13.7	27.1
Kazakhstan	701	57.4	30.5	57.4	11.9	0.1	53.8	61.5
Korea, Rep. of	757	77.9	19.2	77.9	2.9	0.0	75.4	80.1
Kuwait	620	15.6	59.7	15.6	23.2	1.4	9.8	21.0
Lebanon	547	32.0	30.7	32.0	35.7	1.6	27.9	36.8
Lithuania	619	57.0	28.4	57.0	14.6	0.0	52.3	61.7
Malaysia	1393	31.0	51.4	31.0	17.1	0.4	26.5	35.7
Malta	541	44.4	37.6	44.4	17.8	0.2	38.1	50.4
Morocco	1858	27.5	44.9	27.5	27.5	0.2	24.7	29.7
New Zealand	1176	49.0	38.7	49.0	12.3	0.0	45.3	53.0
Norway	671	56.6	31.2	56.6	11.8	0.4	55.3	58.0
Oman	1257	17.4	69.5	17.4	13.0	0.1	15.2	19.4
Qatar	777	31.6	50.7	31.6	16.2	1.4	25.6	37.4
Russian Federation	685	62.0	23.7	62.0	14.1	0.1	53.1	70.3
Saudi Arabia	525	15.3	68.7	15.3	15.8	0.2	12.2	18.6
Singapore	872	84.0	13.9	84.0	2.0	0.0	85.1	83.1
Slovenia	606	61.5	24.2	61.5	14.3	0.0	55.1	67.2
South Africa	1789	15.1	75.0	15.1	9.8	0.1	14.2	16.0
Sweden	578	57.6	28.6	57.6	13.0	0.9	50.8	63.7
Thailand	920	29.5	54.9	29.5	15.5	0.0	31.5	27.0
Turkey	861	34.5	51.6	34.5	13.9	0.0	30.1	38.7
United Arab Emirates	2582	35.6	49.3	35.6	14.9	0.1	33.4	37.8
United States	1463	50.4	46.3	50.4	2.6	0.7	47.1	53.7
International Avg (n=39)	35972	44.2	40.2	44.2	15.2	0.3	40.3	48.1
Buenos Aires, Argentina	450	22.7	23.4	22.7	49.4	4.6	18.3	27.2
Ontario, Canada	647	56.3	37.8	56.3	5.0	1.0	50.5	62.0
Quebec, Canada	553	73.3	19.0	73.3	6.2	1.5	66.8	80.1
Norway (8)	696	49.9	33.7	49.9	16.3	0.1	44.3	55.1
Abu Dhabi, UAE	698	27.7	55.6	27.7	16.4	0.3	28.0	27.5
Dubai, UAE	877	50.8	38.3	50.8	10.9	0.0	49.2	52.6
Florida, US	302	44.2	49.7	44.2	5.9	0.2	45.3	43.3

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.

M07_05 (M042112): Algebra / Applying Type: MC Key: D
Label: Relationship between x and y

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	45.3	16.2	16.0	17.3	45.3	5.0	0.2	43.8	46.9
Bahrain	695	46.0	14.7	17.9	18.5	46.0	2.5	0.4	48.4	43.8
Botswana	856	47.0	18.6	12.1	18.4	47.0	3.8	0.0	52.0	42.0
Canada	1242	44.5	12.6	16.9	17.8	44.5	7.0	1.2	40.8	48.2
Chile	677	42.8	15.8	13.9	20.3	42.8	6.8	0.4	41.5	44.2
Chinese Taipei	820	67.7	7.4	12.4	11.3	67.7	1.2	0.0	66.6	68.8
Egypt	1108	42.0	14.7	20.1	20.0	42.0	3.0	0.3	47.2	35.9
England	676	48.1	14.7	14.7	17.9	48.1	4.2	0.3	51.3	44.4
Georgia	579	41.5	10.0	13.0	27.7	41.5	7.0	0.8	40.0	43.0
Hong Kong SAR	596	55.1	9.5	16.9	15.6	55.1	2.5	0.3	49.8	59.5
Hungary	707	49.7	12.3	13.9	20.2	49.7	3.9	0.0	45.5	54.1
Iran, Islamic Rep. of	863	37.7	13.3	15.3	25.5	37.7	8.2	0.1	40.3	35.3
Ireland	666	53.4	11.2	11.1	18.9	53.4	5.1	0.2	55.5	51.0
Israel	771	43.4	20.7	13.4	15.7	43.4	6.2	0.6	42.0	44.6
Italy	640	50.2	9.6	14.8	15.1	50.2	10.2	0.1	50.9	49.5
Japan	682	55.3	22.0	9.1	11.7	55.3	1.5	0.4	55.0	55.6
Jordan	1122	48.8	14.7	14.4	18.2	48.8	3.6	0.2	51.9	45.4
Kazakhstan	701	59.9	13.7	8.6	14.9	59.9	2.8	0.1	61.5	58.2
Korea, Rep. of	757	60.9	11.7	13.8	12.0	60.9	1.6	0.0	60.8	61.0
Kuwait	620	37.5	14.0	21.4	14.9	37.5	10.8	1.4	43.0	31.9
Lebanon	543	45.8	8.8	11.4	15.2	45.8	16.9	1.9	47.6	43.8
Lithuania	619	50.0	11.0	13.7	17.9	50.0	7.4	0.0	49.1	50.9
Malaysia	1393	46.6	14.7	14.9	20.1	46.6	3.2	0.6	47.1	46.0
Malta	541	50.9	14.9	12.0	17.8	50.9	4.3	0.2	51.3	50.5
Morocco	1860	45.0	14.8	15.3	19.1	45.0	5.5	0.2	46.6	43.9
New Zealand	1176	42.0	13.8	19.5	19.4	42.0	5.3	0.0	38.7	45.6
Norway	671	33.9	13.7	20.1	21.0	33.9	10.8	0.4	37.1	30.6
Oman	1258	46.4	14.7	16.1	19.4	46.4	3.2	0.1	51.1	42.2
Qatar	777	41.5	15.9	16.8	18.4	41.5	5.9	1.4	43.2	39.9
Russian Federation	685	50.8	12.9	9.7	17.1	50.8	9.4	0.1	52.9	48.8
Saudi Arabia	525	35.3	17.4	20.4	24.3	35.3	2.4	0.2	41.2	28.9
Singapore	872	61.0	13.0	15.0	9.5	61.0	1.5	0.0	61.6	60.5
Slovenia	606	54.5	9.7	16.4	12.4	54.5	6.9	0.0	54.1	54.9
South Africa	1789	44.4	16.6	12.4	24.2	44.4	2.1	0.2	44.7	44.1
Sweden	578	37.9	13.1	15.7	20.6	37.9	11.8	0.9	42.3	34.2
Thailand	920	51.2	13.4	13.4	18.4	51.2	3.6	0.0	54.2	47.4
Turkey	861	45.6	13.1	17.3	21.7	45.6	2.3	0.0	48.8	42.6
United Arab Emirates	2582	45.6	17.8	16.4	16.1	45.6	3.9	0.1	48.3	43.0
United States	1463	41.2	26.1	14.4	15.8	41.2	1.9	0.7	42.2	40.2
International Avg (n=39)	35972	47.3	14.2	14.9	18.0	47.3	5.3	0.4	48.5	46.2
Buenos Aires, Argentina	429	25.7	12.2	11.5	14.6	25.7	31.8	4.1	25.8	25.7
Ontario, Canada	647	44.0	12.4	17.0	19.6	44.0	5.8	1.2	43.2	44.7
Quebec, Canada	553	45.6	11.1	17.0	15.9	45.6	8.9	1.5	39.0	52.3
Norway (8)	696	30.2	13.5	21.5	23.9	30.2	10.8	0.1	32.7	27.9
Abu Dhabi, UAE	698	43.6	16.6	16.2	18.7	43.6	4.6	0.3	49.6	38.2
Dubai, UAE	877	52.9	17.4	14.5	12.4	52.9	2.8	0.0	53.5	52.3
Florida, US	302	31.8	28.9	17.6	19.9	31.8	1.5	0.2	36.9	27.2

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

M07_06 (M042109): Algebra / Applying Type: MC Key: D
Label: Formula for distance traveled

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	32.9	7.3	25.0	31.2	32.9	3.4	0.2	35.3	30.3
Bahrain	695	33.2	6.7	20.4	37.2	33.2	2.0	0.4	33.9	32.5
Botswana	856	15.5	6.8	32.5	43.7	15.5	1.5	0.0	14.9	16.1
Canada	1242	45.7	5.6	14.7	29.5	45.7	3.2	1.3	46.8	44.6
Chile	677	25.5	9.2	26.8	33.4	25.5	4.6	0.4	24.9	26.1
Chinese Taipei	820	62.5	3.1	12.1	21.4	62.5	0.9	0.0	58.2	66.8
Egypt	1108	29.2	11.4	22.9	33.3	29.2	3.0	0.3	28.7	29.8
England	676	31.3	8.0	26.5	29.9	31.3	4.0	0.3	35.7	26.3
Georgia	579	27.2	6.9	30.8	31.5	27.2	2.9	0.8	24.2	30.0
Hong Kong SAR	596	64.6	3.5	14.2	16.2	64.6	1.1	0.3	63.7	65.4
Hungary	707	25.2	4.8	20.1	48.4	25.2	1.5	0.0	23.9	26.6
Iran, Islamic Rep. of	863	37.5	14.8	16.4	27.0	37.5	4.2	0.1	40.5	34.8
Ireland	666	32.9	6.0	21.9	37.3	32.9	1.7	0.2	33.4	32.3
Israel	771	44.3	7.4	21.4	22.1	44.3	4.1	0.7	43.0	45.4
Italy	640	26.4	3.7	21.4	41.9	26.4	6.6	0.1	26.6	26.1
Japan	682	72.6	2.8	14.8	8.9	72.6	0.7	0.4	74.2	71.0
Jordan	1122	30.2	13.9	18.2	34.3	30.2	3.2	0.2	33.8	26.3
Kazakhstan	701	55.6	6.6	14.7	19.8	55.6	3.1	0.1	51.2	60.6
Korea, Rep. of	757	68.1	1.0	15.6	14.6	68.1	0.7	0.0	70.3	66.1
Kuwait	620	25.0	9.3	22.6	33.9	25.0	7.5	1.8	25.2	24.9
Lebanon	545	30.0	2.8	18.3	37.4	30.0	9.5	2.0	30.5	29.5
Lithuania	619	40.6	5.2	23.0	30.1	40.6	1.1	0.0	42.3	38.9
Malaysia	1393	24.1	6.2	29.4	37.8	24.1	1.8	0.7	24.4	23.8
Malta	541	32.9	6.1	20.9	37.5	32.9	2.4	0.2	32.7	33.1
Morocco	1859	31.3	11.1	22.7	31.5	31.3	3.2	0.3	28.9	33.1
New Zealand	1176	38.1	10.2	21.8	25.2	38.1	4.7	0.0	41.9	34.0
Norway	671	19.9	5.5	28.0	42.0	19.9	4.2	0.4	23.3	16.4
Oman	1258	31.9	12.6	20.1	31.7	31.9	3.6	0.1	32.9	31.0
Qatar	777	24.5	5.0	33.4	32.6	24.5	2.8	1.6	23.4	25.5
Russian Federation	685	63.7	4.9	9.9	17.9	63.7	3.4	0.1	62.0	65.3
Saudi Arabia	525	29.9	12.7	24.7	30.8	29.9	1.7	0.2	26.8	33.1
Singapore	872	77.9	0.9	6.4	14.3	77.9	0.3	0.1	83.6	72.6
Slovenia	606	15.3	2.4	31.1	48.2	15.3	3.1	0.0	15.3	15.3
South Africa	1789	22.5	9.8	31.4	34.8	22.5	1.3	0.2	21.4	23.6
Sweden	578	28.8	5.5	21.1	37.3	28.8	6.5	0.9	27.3	29.4
Thailand	920	24.6	10.5	22.3	39.2	24.6	3.3	0.0	23.8	25.6
Turkey	861	26.4	8.4	36.1	28.1	26.4	0.9	0.0	27.8	25.1
United Arab Emirates	2582	35.0	8.0	22.2	31.4	35.0	3.2	0.1	36.5	33.7
United States	1463	51.3	4.9	19.5	22.3	51.3	1.2	0.7	53.4	49.3
International Avg (n=39)	35973	36.8	7.0	21.9	30.9	36.8	3.0	0.4	37.1	36.4
Buenos Aires, Argentina	431	15.5	8.5	19.4	19.1	15.5	32.6	4.9	12.7	18.2
Ontario, Canada	647	48.0	5.7	17.3	25.6	48.0	2.1	1.3	49.3	46.4
Quebec, Canada	553	39.1	4.3	11.1	39.4	39.1	4.6	1.5	41.7	36.5
Norway (8)	696	16.9	8.4	28.5	38.8	16.9	7.3	0.1	14.9	18.7
Abu Dhabi, UAE	698	30.5	9.4	24.3	31.6	30.5	3.9	0.3	31.3	29.8
Dubai, UAE	877	43.1	4.8	17.5	32.4	43.1	2.1	0.0	46.0	39.9
Florida, US	302	48.1	6.7	22.6	21.8	48.1	0.6	0.2	50.2	46.2

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

M07_07 (M042050): Algebra / Knowing Type: CR 1 Point
Label: Value of the expression

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	28.1	61.3	28.1	10.4	0.2	32.0	24.1
Bahrain	695	21.6	68.0	21.6	10.0	0.4	27.4	16.2
Botswana	856	5.9	89.2	5.9	4.9	0.0	6.4	5.4
Canada	1242	38.2	53.0	38.2	7.5	1.3	38.9	37.5
Chile	677	12.8	55.6	12.8	30.9	0.8	14.5	11.0
Chinese Taipei	820	72.5	22.1	72.5	5.4	0.0	73.3	71.8
Egypt	1108	22.9	64.2	22.9	12.5	0.5	27.8	17.1
England	676	26.4	61.1	26.4	12.2	0.3	28.9	23.5
Georgia	579	34.9	42.1	34.9	22.2	0.8	35.2	34.7
Hong Kong SAR	596	74.8	20.3	74.8	4.7	0.3	76.4	73.5
Hungary	707	36.3	50.6	36.3	13.1	0.0	36.7	35.9
Iran, Islamic Rep. of	863	16.5	63.1	16.5	20.2	0.2	19.6	13.7
Ireland	666	35.3	58.8	35.3	5.8	0.2	35.9	34.6
Israel	771	36.8	45.4	36.8	17.0	0.7	41.5	32.8
Italy	640	33.2	49.8	33.2	16.9	0.1	37.9	28.2
Japan	682	55.1	39.0	55.1	5.5	0.5	54.4	55.8
Jordan	1122	15.7	73.6	15.7	10.5	0.2	19.4	11.5
Kazakhstan	701	56.9	32.3	56.9	10.6	0.1	57.8	55.9
Korea, Rep. of	757	68.7	28.1	68.7	3.2	0.0	73.5	64.6
Kuwait	620	10.1	61.9	10.1	26.2	1.8	11.8	8.0
Lebanon	548	43.1	39.8	43.1	15.0	2.1	45.0	40.9
Lithuania	619	32.5	50.8	32.5	16.7	0.0	35.9	29.0
Malaysia	1393	27.9	59.3	27.9	11.9	0.9	32.0	23.7
Malta	541	35.7	55.2	35.7	9.0	0.2	39.6	31.9
Morocco	1858	8.1	61.2	8.1	30.4	0.3	9.0	7.3
New Zealand	1176	19.7	67.9	19.7	12.5	0.0	21.6	17.6
Norway	671	10.1	69.6	10.1	19.8	0.4	11.6	8.6
Oman	1256	18.8	71.6	18.8	9.3	0.3	24.3	13.8
Qatar	777	21.1	67.7	21.1	9.6	1.6	22.2	20.0
Russian Federation	685	56.5	33.2	56.5	10.1	0.1	54.8	58.2
Saudi Arabia	525	12.7	70.6	12.7	16.5	0.2	12.3	13.0
Singapore	872	76.9	21.5	76.9	1.5	0.1	82.5	71.7
Slovenia	606	48.4	41.1	48.4	10.4	0.0	54.8	42.8
South Africa	1789	10.5	81.6	10.5	7.8	0.2	10.2	10.7
Sweden	578	8.1	72.9	8.1	17.8	1.3	7.5	8.7
Thailand	920	11.6	78.1	11.6	10.3	0.0	13.3	9.4
Turkey	861	19.6	63.1	19.6	17.3	0.0	23.1	16.3
United Arab Emirates	2582	37.5	55.4	37.5	6.9	0.2	42.7	32.5
United States	1463	51.4	45.2	51.4	2.5	0.8	53.6	49.2
International Avg (n=39)	35973	32.1	55.0	32.1	12.4	0.4	34.5	29.8
Buenos Aires, Argentina	444	14.1	25.9	14.1	54.2	5.8	16.6	11.4
Ontario, Canada	647	37.7	54.5	37.7	6.5	1.3	40.3	35.2
Quebec, Canada	553	40.7	47.4	40.7	10.4	1.5	39.5	41.9
Norway (8)	696	2.3	70.0	2.3	27.6	0.1	2.6	2.1
Abu Dhabi, UAE	698	29.4	61.6	29.4	8.6	0.4	35.1	24.3
Dubai, UAE	877	47.3	48.2	47.3	4.2	0.2	52.4	41.7
Florida, US	302	34.8	60.3	34.8	4.6	0.2	39.7	30.5

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.

M07_08A (M042074A): Algebra / Reasoning Type: CR 1 Point
Label: Circles for patterns 4 & 30

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	39.8	55.2	39.8	4.8	0.2	41.9	37.7
Bahrain	695	29.3	60.4	29.3	9.9	0.4	34.1	24.8
Botswana	856	20.6	71.2	20.6	7.9	0.3	21.1	20.1
Canada	1242	50.2	44.8	50.2	3.4	1.6	47.7	52.6
Chile	677	25.5	58.3	25.5	15.4	0.8	27.0	24.0
Chinese Taipei	820	71.8	24.0	71.8	4.2	0.0	73.5	70.1
Egypt	1108	16.2	63.8	16.2	19.5	0.5	19.7	12.0
England	676	34.7	61.8	34.7	3.1	0.3	41.7	26.7
Georgia	579	20.6	52.7	20.6	25.8	0.8	23.2	18.2
Hong Kong SAR	596	64.7	30.3	64.7	4.7	0.3	63.6	65.7
Hungary	707	36.5	58.6	36.5	4.9	0.0	34.5	38.7
Iran, Islamic Rep. of	863	33.1	58.6	33.1	8.0	0.4	35.7	30.6
Ireland	666	32.9	63.6	32.9	3.3	0.2	33.3	32.3
Israel	771	40.7	51.6	40.7	6.7	1.0	42.0	39.6
Italy	640	41.4	41.9	41.4	16.6	0.1	41.3	41.6
Japan	682	60.2	36.1	60.2	3.3	0.5	61.3	59.0
Jordan	1122	18.0	73.1	18.0	8.5	0.4	22.5	13.0
Kazakhstan	701	47.1	38.1	47.1	14.7	0.1	46.5	47.7
Korea, Rep. of	757	66.5	30.0	66.5	3.5	0.0	67.4	65.8
Kuwait	617	12.7	70.0	12.7	15.4	1.9	12.7	12.8
Lebanon	548	19.7	58.1	19.7	20.0	2.2	17.3	22.3
Lithuania	619	32.1	62.6	32.1	5.2	0.0	33.1	31.1
Malaysia	1393	28.6	61.1	28.6	9.4	0.9	27.8	29.4
Malta	541	36.0	54.6	36.0	9.2	0.2	35.6	36.4
Morocco	1858	13.6	67.9	13.6	18.1	0.5	11.5	15.1
New Zealand	1176	42.2	54.0	42.2	3.8	0.1	43.5	40.7
Norway	671	33.0	62.5	33.0	3.9	0.6	35.6	30.3
Oman	1257	18.3	70.3	18.3	11.1	0.3	22.0	14.9
Qatar	777	29.4	59.3	29.4	9.6	1.6	36.5	22.6
Russian Federation	685	53.0	41.5	53.0	5.4	0.1	52.3	53.6
Saudi Arabia	525	40.8	43.8	40.8	15.2	0.2	47.4	33.7
Singapore	872	71.3	27.4	71.3	1.1	0.1	71.9	70.8
Slovenia	606	34.2	61.5	34.2	4.3	0.0	35.2	33.2
South Africa	1789	23.2	71.5	23.2	5.1	0.3	23.0	23.4
Sweden	578	38.9	55.1	38.9	4.7	1.4	41.1	37.8
Thailand	920	27.3	58.3	27.3	14.2	0.1	29.1	25.1
Turkey	861	28.7	62.5	28.7	8.8	0.0	31.8	25.8
United Arab Emirates	2582	32.9	58.7	32.9	8.1	0.3	36.4	29.7
United States	1463	39.0	58.1	39.0	1.9	0.9	41.0	37.1
International Avg (n=39)	35971	36.0	54.7	36.0	8.8	0.5	37.5	34.5
Buenos Aires, Argentina	449	10.9	46.0	10.9	37.2	5.9	11.9	9.9
Ontario, Canada	647	53.1	42.4	53.1	2.8	1.6	55.2	51.1
Quebec, Canada	553	44.6	48.0	44.6	5.4	2.0	33.9	55.7
Norway (8)	696	27.6	66.2	27.6	6.1	0.1	28.2	27.1
Abu Dhabi, UAE	698	26.2	63.7	26.2	9.6	0.5	32.0	21.0
Dubai, UAE	877	47.0	48.0	47.0	4.8	0.2	47.6	46.4
Florida, US	302	34.3	62.0	34.3	3.4	0.4	39.2	29.8

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.

M07_08B (M042074B): Algebra / Reasoning Type: CR 1 Point
Label: Procedure for finding the number

COUNTRY	N	10 %	11 %	12 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	18.6	13.6	9.0	48.1	41.1	10.3	0.4	44.5	37.6
Bahrain	695	9.9	2.3	25.3	45.3	37.5	16.8	0.4	42.7	32.6
Botswana	856	8.5	0.3	8.5	75.8	17.3	6.6	0.3	19.3	15.2
Canada	1242	22.7	10.7	10.8	44.0	44.2	10.1	1.7	43.1	45.3
Chile	677	7.2	1.1	5.8	57.5	14.0	27.6	0.8	14.4	13.7
Chinese Taipei	820	17.5	17.3	24.7	33.6	59.4	7.0	0.0	61.6	57.3
Egypt	1108	10.6	1.7	7.5	47.2	19.8	32.4	0.6	21.8	17.3
England	676	17.5	6.7	8.6	57.0	32.8	9.8	0.3	38.6	26.2
Georgia	579	6.7	3.5	8.3	35.2	18.4	45.4	0.9	18.8	18.1
Hong Kong SAR	596	32.4	7.8	12.3	35.3	52.5	11.9	0.3	49.0	55.5
Hungary	707	19.0	1.7	13.3	43.4	34.0	22.6	0.0	32.9	35.2
Iran, Islamic Rep. of	863	11.4	3.7	2.0	55.4	17.1	27.0	0.4	17.6	16.7
Ireland	666	14.9	1.3	19.0	49.9	35.2	14.7	0.2	34.1	36.4
Israel	771	19.6	10.6	6.2	44.1	36.4	18.5	1.0	37.1	35.7
Italy	640	25.2	0.5	10.0	37.5	35.6	26.7	0.2	35.2	36.1
Japan	682	16.9	28.8	11.8	29.5	57.6	12.5	0.5	60.0	55.1
Jordan	1122	8.9	1.2	9.3	56.8	19.3	23.0	0.9	24.7	13.4
Kazakhstan	701	9.5	10.7	0.5	54.0	20.7	25.1	0.1	21.8	19.4
Korea, Rep. of	757	35.6	10.7	21.7	25.2	68.0	6.8	0.0	69.9	66.4
Kuwait	617	3.2	1.1	8.2	56.5	12.5	28.9	2.0	13.8	11.3
Lebanon	548	6.8	0.2	4.2	46.7	11.2	39.7	2.4	9.1	13.7
Lithuania	619	18.7	0.7	16.3	43.6	35.6	20.8	0.0	39.1	32.0
Malaysia	1393	7.7	1.9	8.4	59.5	18.0	21.5	1.0	18.2	17.7
Malta	541	17.3	5.3	10.1	47.5	32.8	19.5	0.2	32.0	33.6
Morocco	1859	1.9	0.0	4.1	53.3	6.0	40.2	0.5	4.1	7.6
New Zealand	1176	23.1	8.3	6.5	48.6	37.9	13.3	0.3	40.8	34.7
Norway	671	14.9	2.3	12.0	56.7	29.2	13.6	0.6	30.3	28.1
Oman	1257	8.2	3.4	8.3	65.2	19.9	14.5	0.4	24.5	15.7
Qatar	777	12.3	3.2	6.9	58.6	22.4	17.2	1.7	23.3	21.6
Russian Federation	685	25.1	2.8	18.9	31.0	46.8	22.1	0.1	45.7	47.7
Saudi Arabia	525	7.2	0.6	5.4	59.8	13.2	26.8	0.2	14.3	12.0
Singapore	872	44.3	10.3	8.0	33.0	62.6	4.1	0.2	64.1	61.2
Slovenia	606	21.5	1.8	5.4	51.0	28.6	20.2	0.1	28.6	28.7
South Africa	1789	8.7	1.4	8.4	72.8	18.5	8.3	0.4	19.2	17.8
Sweden	578	22.3	6.5	8.0	44.9	36.8	16.8	1.6	42.0	33.1
Thailand	920	6.7	4.5	20.5	45.8	31.7	22.3	0.1	37.6	24.4
Turkey	861	8.6	7.5	14.9	53.5	31.0	15.4	0.0	34.9	27.4
United Arab Emirates	2582	15.5	4.4	15.2	50.3	35.1	14.3	0.4	40.9	29.6
United States	1463	18.5	5.4	15.8	57.3	39.7	2.0	1.0	43.6	35.9
International Avg (n=39)	35972	15.5	5.3	10.8	49.0	31.6	18.9	0.6	33.2	29.9
Buenos Aires, Argentina	449	5.6	0.6	1.2	33.7	7.4	52.8	6.1	7.7	7.2
Ontario, Canada	647	20.9	13.8	11.1	43.7	45.9	8.6	1.8	48.9	42.9
Quebec, Canada	553	24.4	6.7	9.6	45.1	40.7	12.2	2.0	32.8	48.9
Norway (8)	696	13.1	1.3	8.9	59.0	23.4	17.5	0.1	25.3	21.5
Abu Dhabi, UAE	698	11.2	2.6	19.7	50.0	33.6	15.7	0.7	42.4	25.6
Dubai, UAE	877	24.6	8.5	8.5	47.4	41.6	10.7	0.2	43.4	39.7
Florida, US	302	16.9	1.3	17.1	61.2	35.3	3.1	0.4	41.1	30.1

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.

M07_08C (M042074C): Algebra / Reasoning Type: CR 1 Point
Label: Rule for finding number of circles

COUNTRY	N	10 %	11 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	27.5	1.5	47.5	29.0	23.0	0.5	29.7	28.4
Bahrain	695	10.0	2.0	62.2	12.0	25.4	0.4	13.9	10.2
Botswana	856	2.9	1.3	86.2	4.2	9.3	0.3	4.6	3.8
Canada	1242	33.5	4.6	45.0	38.0	14.7	2.2	39.6	36.5
Chile	677	6.1	0.7	47.4	6.7	44.6	1.3	5.8	7.6
Chinese Taipei	820	52.2	0.6	32.6	52.8	14.5	0.0	53.2	52.5
Egypt	1108	5.9	1.5	58.6	7.4	33.4	0.6	10.4	3.8
England	676	26.4	1.2	48.7	27.6	23.3	0.3	33.2	21.2
Georgia	579	8.3	1.1	27.9	9.4	61.8	0.9	9.2	9.6
Hong Kong SAR	596	51.0	0.6	33.7	51.6	14.4	0.3	49.3	53.5
Hungary	707	19.1	1.0	34.7	20.1	45.1	0.0	16.6	23.8
Iran, Islamic Rep. of	863	16.7	0.6	45.5	17.2	36.5	0.8	18.6	16.0
Ireland	666	8.6	3.6	51.2	12.2	36.4	0.2	11.6	12.8
Israel	771	29.5	0.9	38.6	30.4	30.0	1.0	30.3	30.5
Italy	640	13.2	6.9	33.2	20.0	46.5	0.2	23.0	16.9
Japan	682	47.9	0.3	35.2	48.2	16.2	0.5	48.7	47.6
Jordan	1122	7.0	1.4	66.1	8.4	24.7	0.9	10.7	5.8
Kazakhstan	701	26.0	0.1	43.0	26.1	30.8	0.2	27.1	24.9
Korea, Rep. of	757	46.6	5.7	32.9	52.3	14.9	0.0	53.3	51.4
Kuwait	617	3.0	1.0	53.4	4.1	40.2	2.4	3.8	4.4
Lebanon	547	6.8	0.2	31.5	7.0	58.9	2.6	4.9	9.4
Lithuania	619	15.8	2.2	40.1	18.0	41.9	0.0	18.3	17.7
Malaysia	1393	5.8	0.1	63.3	6.0	29.5	1.2	7.0	5.0
Malta	541	18.8	1.1	48.6	19.9	31.3	0.2	22.2	17.8
Morocco	1859	3.1	0.1	40.4	3.2	55.8	0.6	2.5	3.7
New Zealand	1176	26.5	3.9	46.0	30.4	23.3	0.3	32.6	28.0
Norway	671	12.9	4.6	51.0	17.5	30.8	0.7	20.5	14.4
Oman	1257	9.2	2.1	65.5	11.2	22.9	0.4	15.4	7.5
Qatar	777	13.5	0.8	57.8	14.2	26.0	2.0	18.2	10.4
Russian Federation	685	20.7	1.5	33.7	22.3	43.5	0.5	21.6	23.0
Saudi Arabia	525	7.0	0.6	60.9	7.6	31.1	0.4	8.0	7.2
Singapore	872	56.6	1.1	34.7	57.7	7.3	0.2	59.7	55.9
Slovenia	606	17.8	0.5	39.2	18.3	42.3	0.2	19.9	16.8
South Africa	1789	8.4	0.4	79.6	8.8	10.8	0.7	9.6	8.1
Sweden	578	24.0	1.7	43.6	25.7	28.5	2.2	29.3	23.1
Thailand	920	9.7	0.0	54.3	9.7	35.9	0.1	9.9	9.5
Turkey	861	18.8	0.6	57.1	19.4	23.5	0.0	21.1	17.7
United Arab Emirates	2582	18.6	1.5	59.3	20.1	20.1	0.5	21.9	18.4
United States	1463	24.4	1.9	70.8	26.3	1.9	1.0	28.0	24.6
International Avg (n=39)	35971	19.5	1.6	48.7	21.1	29.5	0.7	22.1	20.0
Buenos Aires, Argentina	449	2.6	0.2	18.6	2.8	72.6	6.1	2.8	2.7
Ontario, Canada	647	34.8	5.8	43.3	40.6	13.6	2.4	44.5	36.8
Quebec, Canada	553	30.6	2.0	48.9	32.6	16.2	2.4	28.1	37.2
Norway (8)	696	5.4	6.2	52.6	11.6	35.3	0.5	10.7	12.4
Abu Dhabi, UAE	698	12.9	1.9	63.3	14.8	21.1	0.8	17.0	12.7
Dubai, UAE	877	31.6	1.7	48.5	33.4	17.9	0.3	36.1	30.3
Florida, US	302	18.5	1.7	76.0	20.2	3.4	0.4	19.9	20.6

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.

M07_09 (M042151): Geometry / Applying Type: CR 1 Point
Label: Shape with AB as line of symmetry

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	65.6	26.6	65.6	7.3	0.5	66.9	64.4
Bahrain	695	28.9	46.0	28.9	24.6	0.5	35.7	22.5
Botswana	856	26.9	51.9	26.9	20.6	0.5	25.5	28.4
Canada	1242	74.5	16.3	74.5	6.9	2.3	74.9	74.0
Chile	677	42.3	23.1	42.3	32.6	2.0	42.0	42.6
Chinese Taipei	820	35.3	60.9	35.3	3.8	0.0	40.8	29.8
Egypt	1108	35.7	40.0	35.7	23.5	0.8	40.0	30.7
England	676	75.7	18.0	75.7	5.8	0.6	76.9	74.3
Georgia	578	39.7	31.9	39.7	27.5	0.9	39.7	39.7
Hong Kong SAR	596	83.0	10.4	83.0	6.4	0.3	84.4	81.7
Hungary	707	74.1	14.4	74.1	11.5	0.0	68.5	80.2
Iran, Islamic Rep. of	863	59.3	25.4	59.3	14.5	0.8	64.6	54.5
Ireland	666	68.3	24.2	68.3	7.3	0.2	66.1	70.8
Israel	771	25.1	48.5	25.1	25.4	1.1	25.5	24.7
Italy	638	59.8	21.4	59.8	18.2	0.5	61.3	58.3
Japan	682	92.9	4.6	92.9	2.0	0.5	93.2	92.6
Jordan	1122	20.0	52.3	20.0	26.8	0.9	25.4	13.9
Kazakhstan	701	53.0	28.2	53.0	18.6	0.2	50.6	55.7
Korea, Rep. of	757	83.6	13.7	83.6	2.8	0.0	84.1	83.1
Kuwait	620	31.8	35.6	31.8	30.1	2.5	37.4	25.5
Lebanon	548	30.1	35.0	30.1	32.1	2.8	29.2	31.2
Lithuania	619	69.3	22.6	69.3	8.1	0.0	71.0	67.6
Malaysia	1393	30.0	38.4	30.0	30.3	1.3	28.8	31.3
Malta	541	77.3	16.8	77.3	5.7	0.2	76.6	78.0
Morocco	1858	35.6	36.2	35.6	27.6	0.6	35.2	36.0
New Zealand	1176	66.8	21.4	66.8	11.5	0.3	66.5	67.0
Norway	671	49.1	30.2	49.1	19.7	1.0	53.8	44.2
Oman	1257	35.9	43.7	35.9	19.9	0.5	43.6	29.2
Qatar	777	41.3	35.2	41.3	21.5	2.0	47.5	35.3
Russian Federation	685	63.7	16.2	63.7	19.5	0.5	62.2	65.1
Saudi Arabia	525	19.5	43.3	19.5	36.8	0.4	24.2	14.5
Singapore	872	85.9	10.5	85.9	3.4	0.2	87.8	84.1
Slovenia	606	74.8	16.7	74.8	8.3	0.2	75.2	74.5
South Africa	1789	23.5	47.6	23.5	28.0	0.9	22.1	24.8
Sweden	577	48.5	24.7	48.5	24.4	2.4	51.6	46.8
Thailand	920	24.2	43.9	24.2	31.7	0.1	24.7	23.7
Turkey	860	37.0	50.3	37.0	12.6	0.1	38.9	35.2
United Arab Emirates	2582	42.4	36.2	42.4	20.9	0.5	47.6	37.5
United States	1463	57.9	30.6	57.9	10.6	1.0	58.7	57.0
International Avg (n=39)	35969	51.0	30.6	51.0	17.7	0.8	52.5	49.5
Buenos Aires, Argentina	450	14.7	22.3	14.7	57.0	6.1	12.5	16.9
Ontario, Canada	647	76.7	15.8	76.7	5.1	2.5	78.5	74.7
Quebec, Canada	553	71.3	16.9	71.3	9.3	2.4	68.3	74.4
Norway (8)	696	53.5	26.1	53.5	19.9	0.5	54.2	52.9
Abu Dhabi, UAE	698	34.0	40.4	34.0	24.8	0.8	39.2	29.2
Dubai, UAE	877	58.1	27.4	58.1	14.3	0.3	62.0	53.8
Florida, US	302	49.4	32.9	49.4	17.3	0.4	52.9	46.3

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.

M07_10 (M042132): Geometry / Reasoning Type: MC Key: A
Label: What is the perimeter of the figure

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	26.5	26.5	41.2	16.8	12.0	2.7	0.9	26.3	26.8
Bahrain	695	22.5	22.5	30.4	17.3	25.0	4.4	0.5	25.5	19.7
Botswana	856	22.0	22.0	27.5	12.8	34.9	2.3	0.5	18.9	25.1
Canada	1242	31.5	31.5	39.2	10.6	12.5	3.9	2.3	30.2	32.8
Chile	677	23.8	23.8	31.5	21.2	13.3	7.8	2.4	27.5	20.1
Chinese Taipei	820	72.1	72.1	14.7	6.0	6.5	0.8	0.0	72.7	71.4
Egypt	1108	27.5	27.5	23.2	16.6	30.7	1.2	0.8	29.1	25.7
England	676	31.3	31.3	36.5	17.2	11.0	3.5	0.6	33.0	29.3
Georgia	578	29.3	29.3	26.3	14.1	22.3	7.1	0.9	31.6	27.1
Hong Kong SAR	596	55.2	55.2	23.8	13.7	5.2	1.8	0.3	53.5	56.6
Hungary	707	38.5	38.5	26.2	17.1	15.2	3.1	0.0	38.5	38.4
Iran, Islamic Rep. of	863	27.8	27.8	24.1	17.9	22.6	6.4	1.2	27.0	28.5
Ireland	666	24.7	24.7	43.3	15.2	13.1	3.5	0.2	24.1	25.5
Israel	771	39.8	39.8	29.1	15.3	9.9	4.7	1.2	39.3	40.3
Italy	640	45.8	45.8	28.9	9.4	10.5	4.9	0.5	48.6	42.9
Japan	682	45.1	45.1	34.2	11.8	7.1	1.3	0.5	45.4	44.9
Jordan	1122	24.8	24.8	24.5	15.8	30.9	3.1	0.9	27.1	22.2
Kazakhstan	701	47.4	47.4	19.3	8.7	21.7	2.8	0.2	47.4	47.3
Korea, Rep. of	757	48.4	48.4	34.4	9.6	7.0	0.6	0.0	44.6	51.7
Kuwait	620	21.3	21.3	26.7	14.5	29.6	5.4	2.5	21.5	21.2
Lebanon	547	17.9	17.9	26.5	14.5	29.7	8.5	2.8	17.1	18.9
Lithuania	619	33.8	33.8	35.7	11.1	16.0	3.3	0.1	35.2	32.4
Malaysia	1393	30.5	30.5	38.2	13.6	13.6	2.5	1.5	32.0	29.0
Malta	541	24.8	24.8	45.2	14.3	12.9	2.7	0.2	23.1	26.3
Morocco	1859	25.4	25.4	16.9	16.9	35.0	5.1	0.7	24.9	25.8
New Zealand	1176	25.7	25.7	40.4	14.6	14.0	5.0	0.3	24.5	27.1
Norway	671	24.8	24.8	40.1	17.8	11.0	5.4	1.0	26.9	22.5
Oman	1258	28.0	28.0	23.4	17.6	28.9	1.8	0.5	24.9	30.7
Qatar	777	22.8	22.8	27.5	17.3	24.7	5.5	2.2	23.9	21.8
Russian Federation	685	43.5	43.5	23.0	12.9	15.8	4.2	0.7	43.4	43.5
Saudi Arabia	525	20.2	20.2	23.4	24.0	29.8	2.1	0.5	20.4	20.0
Singapore	872	68.3	68.3	20.6	5.2	4.2	1.3	0.3	70.4	66.4
Slovenia	606	25.9	25.9	37.1	17.7	14.9	4.2	0.2	25.5	26.2
South Africa	1789	19.7	19.7	19.4	15.1	42.6	2.0	1.2	19.8	19.7
Sweden	578	17.8	17.8	47.0	16.0	8.6	7.8	2.8	15.3	20.2
Thailand	920	24.1	24.1	27.8	16.2	28.0	3.7	0.2	24.4	23.8
Turkey	861	38.3	38.3	25.4	14.1	20.9	1.1	0.1	40.6	36.1
United Arab Emirates	2582	26.0	26.0	29.5	15.1	25.3	3.6	0.6	27.1	24.8
United States	1463	32.8	32.8	36.6	14.2	13.7	1.4	1.5	31.8	33.7
International Avg (n=39)	35973	32.2	32.2	30.0	14.6	18.7	3.7	0.9	32.4	32.0
Buenos Aires, Argentina	431	15.8	15.8	22.7	15.0	10.8	29.5	6.3	14.4	17.2
Ontario, Canada	647	29.8	29.8	39.0	11.3	14.4	2.9	2.6	28.5	31.2
Quebec, Canada	553	31.8	31.8	44.5	9.8	6.5	5.1	2.4	30.5	33.0
Norway (8)	696	18.5	18.5	45.7	17.3	11.6	5.5	1.3	16.5	20.5
Abu Dhabi, UAE	698	21.7	21.7	30.3	17.5	25.9	3.6	1.0	21.8	21.5
Dubai, UAE	877	32.4	32.4	33.0	12.3	19.3	2.7	0.3	33.3	31.3
Florida, US	302	23.7	23.7	42.3	14.8	15.6	2.9	0.7	26.0	21.7

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

M07_11 (M042257): Geometry / Reasoning Type: MC Key: C
Label: Which 2 shapes fit together

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	44.2	26.0	21.7	44.2	5.6	1.4	1.0	46.0	42.3
Bahrain	695	24.6	31.0	30.9	24.6	11.9	0.5	1.0	25.3	24.0
Botswana	856	29.0	32.3	21.8	29.0	13.9	2.2	0.8	25.9	32.2
Canada	1236	46.9	22.2	22.5	46.9	5.2	0.4	2.8	46.5	47.2
Chile	677	44.7	19.0	25.4	44.7	6.2	2.0	2.7	45.9	43.5
Chinese Taipei	820	62.6	17.6	15.8	62.6	3.3	0.7	0.0	67.1	58.1
Egypt	1108	20.8	38.3	19.9	20.8	19.7	0.6	0.8	19.7	22.2
England	676	50.0	22.6	21.7	50.0	3.6	1.3	0.8	51.3	48.6
Georgia	578	25.3	29.0	31.5	25.3	12.2	1.2	0.8	23.3	27.2
Hong Kong SAR	596	59.4	20.2	14.8	59.4	5.0	0.2	0.3	59.7	59.2
Hungary	707	45.2	18.4	30.7	45.2	3.6	2.1	0.0	46.2	44.2
Iran, Islamic Rep. of	863	30.9	27.1	28.4	30.9	11.1	0.9	1.6	34.4	27.7
Ireland	666	44.4	21.8	25.7	44.4	6.1	1.4	0.5	43.2	45.9
Israel	771	37.2	26.0	27.9	37.2	5.5	1.6	1.7	41.6	33.5
Italy	640	56.5	15.9	19.5	56.5	7.0	0.4	0.6	57.8	55.1
Japan	682	70.0	11.5	15.2	70.0	1.7	1.1	0.5	71.5	68.4
Jordan	1122	15.1	41.0	24.8	15.1	16.9	1.3	1.0	16.4	13.6
Kazakhstan	701	49.6	17.9	25.8	49.6	4.6	1.8	0.4	47.2	52.2
Korea, Rep. of	757	62.9	17.3	15.3	62.9	4.1	0.4	0.0	63.1	62.7
Kuwait	619	17.7	41.2	22.7	17.7	13.8	2.2	2.5	16.9	18.2
Lebanon	547	26.4	29.7	25.8	26.4	10.1	5.3	2.8	26.1	26.7
Lithuania	619	47.7	21.3	25.5	47.7	3.9	1.5	0.1	46.5	49.0
Malaysia	1393	37.4	28.9	24.4	37.4	6.0	1.6	1.7	36.8	38.0
Malta	541	35.0	31.0	22.9	35.0	9.1	1.8	0.2	31.0	38.8
Morocco	1859	25.7	32.7	27.7	25.7	9.2	4.0	0.7	24.0	27.1
New Zealand	1176	45.0	23.6	24.9	45.0	4.9	1.2	0.3	44.0	46.1
Norway	671	42.3	20.7	26.5	42.3	4.0	5.6	1.0	43.6	40.9
Oman	1258	21.4	42.2	18.8	21.4	16.2	0.9	0.5	22.7	20.2
Qatar	777	27.3	31.3	26.3	27.3	11.8	1.0	2.3	28.0	26.6
Russian Federation	685	51.8	18.0	20.9	51.8	6.6	1.9	0.7	51.8	51.9
Saudi Arabia	525	18.4	40.0	24.0	18.4	16.7	0.4	0.5	20.8	15.9
Singapore	872	61.6	15.8	17.2	61.6	4.5	0.3	0.6	63.1	60.2
Slovenia	606	47.2	20.5	23.9	47.2	5.5	2.7	0.2	51.3	43.7
South Africa	1789	26.4	33.5	20.6	26.4	16.4	1.7	1.3	25.6	27.3
Sweden	578	43.9	20.8	21.1	43.9	2.8	8.4	3.0	46.6	41.9
Thailand	920	37.7	20.0	28.9	37.7	12.4	0.7	0.2	39.3	35.7
Turkey	861	27.0	31.2	32.6	27.0	8.9	0.2	0.1	30.4	23.7
United Arab Emirates	2582	29.1	29.8	28.4	29.1	10.5	1.6	0.7	29.4	28.8
United States	1463	41.6	27.2	23.6	41.6	5.3	0.8	1.6	42.2	40.9
International Avg (n=39)	35967	39.2	26.0	23.7	39.2	8.4	1.7	1.0	39.8	38.7
Buenos Aires, Argentina	441	27.7	19.5	24.3	27.7	7.6	12.8	8.1	27.0	28.5
Ontario, Canada	647	42.6	24.4	24.1	42.6	5.9	0.1	3.0	46.3	38.9
Quebec, Canada	547	51.5	18.8	20.2	51.5	5.4	1.0	3.1	46.8	56.3
Norway (8)	696	40.8	24.9	25.9	40.8	2.8	4.2	1.4	45.7	36.1
Abu Dhabi, UAE	698	24.0	32.1	29.8	24.0	10.5	2.5	1.0	23.4	24.6
Dubai, UAE	877	40.5	25.8	24.8	40.5	7.3	1.0	0.6	41.7	39.2
Florida, US	302	43.0	27.4	21.7	43.0	6.6	0.5	0.7	42.4	43.5

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

M07_12 (M042158): Data and Chance / Knowing Type: MC Key: B
Label: Difference in high and low temp

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	62.9	12.1	62.9	14.1	6.9	2.9	1.0	62.8	63.0
Bahrain	694	51.4	14.2	51.4	15.7	16.2	1.2	1.2	49.7	53.1
Botswana	856	53.5	16.2	53.5	14.2	12.1	2.5	1.4	53.8	53.3
Canada	1242	69.6	8.5	69.6	6.9	10.1	2.0	2.9	69.7	69.7
Chile	677	62.2	11.2	62.2	14.0	6.8	3.2	2.7	61.8	62.7
Chinese Taipei	820	79.8	6.2	79.8	1.9	11.8	0.3	0.0	79.7	79.9
Egypt	1108	42.5	16.0	42.5	23.8	15.7	1.1	0.9	43.5	41.3
England	676	70.3	10.8	70.3	8.6	8.4	0.9	1.0	73.4	66.7
Georgia	579	53.6	12.7	53.6	14.7	14.7	3.0	1.3	54.7	52.6
Hong Kong SAR	596	77.5	9.1	77.5	3.9	8.7	0.4	0.3	78.2	76.9
Hungary	707	65.0	10.6	65.0	8.5	13.8	2.1	0.0	66.3	63.5
Iran, Islamic Rep. of	863	47.5	14.4	47.5	19.2	13.4	3.6	1.8	45.8	49.1
Ireland	666	67.6	12.4	67.6	8.1	9.1	2.3	0.5	69.3	65.7
Israel	771	62.3	10.1	62.3	10.3	13.2	2.3	1.7	63.7	61.2
Italy	640	72.9	11.8	72.9	6.8	6.8	1.1	0.6	75.9	69.7
Japan	682	83.4	5.7	83.4	3.0	6.7	0.7	0.5	86.3	80.6
Jordan	1122	46.0	15.5	46.0	20.1	16.2	1.1	1.0	49.8	41.8
Kazakhstan	701	64.3	13.0	64.3	11.5	8.2	2.0	1.0	63.8	64.9
Korea, Rep. of	757	83.5	6.2	83.5	3.1	6.7	0.3	0.2	85.2	82.0
Kuwait	619	50.5	12.8	50.5	15.4	14.9	3.6	2.8	52.8	48.5
Lebanon	547	54.1	9.2	54.1	17.1	10.0	6.9	2.8	53.7	54.4
Lithuania	619	66.7	11.6	66.7	9.3	9.6	2.7	0.1	66.7	66.6
Malaysia	1393	64.9	7.8	64.9	14.5	9.5	1.2	2.0	65.6	64.3
Malta	541	55.5	11.8	55.5	17.1	12.7	2.4	0.4	57.6	53.5
Morocco	1858	38.8	16.7	38.8	22.5	17.3	3.8	0.9	35.9	41.2
New Zealand	1176	65.7	10.0	65.7	14.2	7.7	2.0	0.3	67.6	63.7
Norway	671	64.2	12.1	64.2	10.3	9.0	2.9	1.5	67.1	61.2
Oman	1258	54.1	13.5	54.1	16.3	13.8	1.7	0.5	57.7	51.0
Qatar	777	54.6	13.0	54.6	18.6	10.5	1.1	2.3	55.3	53.8
Russian Federation	685	72.0	12.9	72.0	7.7	4.1	2.1	1.1	71.4	72.7
Saudi Arabia	525	46.2	14.1	46.2	20.2	18.0	1.0	0.5	46.3	46.1
Singapore	872	79.8	6.1	79.8	5.8	7.0	0.9	0.6	82.5	77.3
Slovenia	606	60.2	14.8	60.2	8.1	15.7	0.9	0.2	61.2	59.4
South Africa	1789	52.5	9.6	52.5	20.0	13.9	2.4	1.6	54.0	51.0
Sweden	577	59.6	11.8	59.6	7.3	13.1	4.7	3.4	66.8	54.5
Thailand	920	65.3	12.4	65.3	10.7	8.7	2.7	0.2	68.7	61.1
Turkey	861	66.2	11.7	66.2	11.0	10.4	0.5	0.1	68.5	64.0
United Arab Emirates	2582	60.9	9.6	60.9	15.2	11.9	1.5	0.8	62.5	59.4
United States	1463	64.3	10.1	64.3	10.1	12.3	1.5	1.7	65.5	63.0
International Avg (n=39)	35971	61.8	11.5	61.8	12.3	11.2	2.0	1.1	63.1	60.6
Buenos Aires, Argentina	439	40.5	11.4	40.5	15.0	9.5	15.6	8.1	43.8	37.1
Ontario, Canada	647	67.9	8.8	67.9	7.9	10.8	1.6	3.0	69.5	66.5
Quebec, Canada	553	77.0	7.8	77.0	2.8	6.6	2.2	3.6	74.8	79.3
Norway (8)	696	60.6	12.5	60.6	9.3	12.6	3.5	1.5	64.4	57.1
Abu Dhabi, UAE	698	57.9	10.0	57.9	16.9	12.7	1.3	1.2	57.9	57.9
Dubai, UAE	877	66.7	8.9	66.7	11.2	10.5	1.9	0.8	67.3	66.0
Florida, US	302	62.1	13.7	62.1	9.7	13.5	0.0	1.0	71.3	53.7

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

M07_13 (M042252): Data and Chance / Applying Type: MC Key: A
Label: Speed time graph

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	54.8	54.8	27.2	9.6	5.4	1.6	1.5	49.5	60.4
Bahrain	694	25.0	25.0	48.6	17.6	6.4	0.8	1.7	21.2	28.4
Botswana	856	20.4	20.4	49.6	16.2	9.8	1.8	2.1	18.3	22.6
Canada	1242	52.4	52.4	30.3	10.4	2.2	0.8	3.9	48.7	56.1
Chile	677	36.9	36.9	39.2	13.0	4.9	2.3	3.8	34.6	39.2
Chinese Taipei	820	68.9	68.9	24.7	4.0	2.1	0.2	0.1	63.9	73.9
Egypt	1108	19.4	19.4	45.4	21.6	10.8	1.3	1.5	17.8	21.3
England	676	55.4	55.4	26.4	11.4	5.0	0.1	1.7	51.7	59.6
Georgia	579	20.8	20.8	60.1	10.3	3.2	3.5	2.1	18.6	22.9
Hong Kong SAR	596	60.7	60.7	25.9	9.3	3.4	0.3	0.5	56.2	64.4
Hungary	707	47.5	47.5	35.0	10.3	5.7	1.3	0.1	41.0	54.5
Iran, Islamic Rep. of	862	23.2	23.2	49.2	15.0	7.6	2.6	2.4	17.9	28.1
Ireland	666	55.5	55.5	27.9	9.7	4.7	1.4	0.8	50.1	61.5
Israel	771	43.6	43.6	33.9	15.6	2.8	1.4	2.7	38.4	48.1
Italy	640	46.2	46.2	34.4	13.4	4.7	0.7	0.6	42.4	50.1
Japan	682	62.4	62.4	21.1	7.8	7.2	0.8	0.7	60.1	64.7
Jordan	1122	17.6	17.6	57.3	14.3	8.3	1.4	1.2	13.9	21.6
Kazakhstan	701	35.4	35.4	44.6	13.5	2.4	2.7	1.4	30.4	40.9
Korea, Rep. of	757	69.2	69.2	23.3	4.5	2.7	0.0	0.3	68.9	69.4
Kuwait	619	20.9	20.9	51.8	15.6	5.0	3.2	3.6	21.8	19.6
Lebanon	547	22.3	22.3	36.5	22.4	6.1	8.9	3.8	20.2	24.7
Lithuania	619	55.0	55.0	32.6	8.4	1.8	1.8	0.5	49.8	60.2
Malaysia	1393	32.8	32.8	47.3	9.1	6.8	1.4	2.6	29.4	36.2
Malta	541	37.0	37.0	40.4	14.7	5.4	1.3	1.1	27.5	46.0
Morocco	1859	22.9	22.9	46.4	18.1	8.0	2.9	1.8	21.3	24.1
New Zealand	1176	52.5	52.5	29.5	11.9	3.5	2.2	0.4	49.1	56.1
Norway	671	59.8	59.8	23.1	9.1	3.4	2.5	2.0	58.0	61.6
Oman	1258	26.7	26.7	48.0	16.1	6.6	2.1	0.6	23.7	29.4
Qatar	777	28.1	28.1	45.8	17.8	5.1	0.4	2.8	20.7	35.3
Russian Federation	685	48.2	48.2	33.9	12.1	2.3	2.0	1.6	38.5	57.3
Saudi Arabia	525	23.5	23.5	48.9	14.4	11.6	1.0	0.7	23.1	23.9
Singapore	872	76.4	76.4	17.9	3.3	1.0	0.7	0.8	71.4	80.9
Slovenia	606	56.5	56.5	31.5	7.4	2.0	2.4	0.2	55.4	57.6
South Africa	1788	23.5	23.5	41.8	20.7	9.8	2.0	2.2	21.4	25.5
Sweden	576	51.5	51.5	27.4	6.3	4.4	6.4	3.9	51.9	51.1
Thailand	919	22.5	22.5	58.5	9.9	6.6	0.9	1.5	21.1	24.2
Turkey	861	34.1	34.1	47.3	6.9	11.2	0.2	0.2	32.3	35.9
United Arab Emirates	2582	30.2	30.2	45.2	14.9	6.7	2.1	0.9	25.4	34.7
United States	1463	51.4	51.4	29.8	10.2	5.0	1.6	2.0	45.4	57.3
International Avg (n=39)	35968	40.8	40.8	38.1	12.2	5.4	1.8	1.6	37.2	44.3
Buenos Aires, Argentina	437	23.2	23.2	30.3	18.1	4.2	14.3	9.9	20.3	26.2
Ontario, Canada	647	52.1	52.1	31.8	9.5	2.1	0.7	3.8	54.7	49.7
Quebec, Canada	553	51.9	51.9	27.4	11.4	3.1	1.1	5.2	37.7	66.4
Norway (8)	696	53.4	53.4	25.8	13.7	3.7	1.7	1.7	52.4	54.3
Abu Dhabi, UAE	698	26.3	26.3	45.0	16.9	8.1	2.6	1.2	21.2	30.9
Dubai, UAE	877	40.8	40.8	41.2	11.9	4.0	1.1	1.0	35.8	46.4
Florida, US	302	37.4	37.4	45.0	11.4	4.6	0.5	1.0	35.0	39.6

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

M07_14 (M042261): Data and Chance / Knowing Type: MC Key: C
Label: How likely it will rain

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1475	78.6	1.0	16.8	78.6	0.7	1.3	1.5	74.9	82.7
Bahrain	695	57.3	9.5	19.1	57.3	11.0	1.5	1.7	59.1	55.5
Botswana	856	28.7	17.5	38.3	28.7	11.3	1.6	2.6	28.9	28.5
Canada	1241	81.8	1.1	11.2	81.8	1.4	0.3	4.2	81.4	82.4
Chile	677	49.2	2.9	39.5	49.2	3.5	0.7	4.2	47.7	50.8
Chinese Taipei	820	72.8	0.1	24.4	72.8	2.2	0.2	0.2	72.2	73.3
Egypt	1108	17.2	10.6	56.3	17.2	13.2	1.0	1.8	17.2	17.2
England	676	84.8	1.1	11.5	84.8	0.5	0.3	1.8	83.0	86.9
Georgia	579	71.6	0.7	18.7	71.6	6.1	0.4	2.4	70.3	72.8
Hong Kong SAR	596	77.3	2.4	18.0	77.3	1.3	0.4	0.6	79.8	75.2
Hungary	707	81.6	0.1	14.1	81.6	3.3	0.4	0.4	82.3	80.8
Iran, Islamic Rep. of	862	84.4	2.5	6.8	84.4	2.9	0.3	3.1	85.4	83.5
Ireland	666	82.8	0.5	13.9	82.8	0.9	0.7	1.1	79.4	86.7
Israel	771	58.5	2.4	32.1	58.5	3.2	0.8	3.0	59.4	57.7
Italy	640	46.3	0.7	48.1	46.3	3.1	1.1	0.6	46.2	46.5
Japan	682	83.5	0.3	13.4	83.5	1.8	0.3	0.7	81.2	85.9
Jordan	1122	15.9	6.2	66.8	15.9	8.9	0.9	1.4	13.9	18.1
Kazakhstan	701	53.7	2.6	34.2	53.7	7.0	1.0	1.5	54.5	52.9
Korea, Rep. of	757	97.5	0.3	1.2	97.5	0.5	0.3	0.3	97.4	97.5
Kuwait	618	25.2	5.8	58.4	25.2	4.7	2.1	3.8	26.8	22.8
Lebanon	548	24.5	12.3	41.2	24.5	12.4	5.2	4.4	22.0	27.4
Lithuania	619	87.8	0.4	5.7	87.8	4.3	0.9	0.9	88.8	86.8
Malaysia	1393	26.7	4.8	58.3	26.7	5.6	1.2	3.4	25.2	28.2
Malta	541	72.6	2.2	19.7	72.6	3.8	0.2	1.5	67.7	77.3
Morocco	1855	19.2	8.3	57.6	19.2	10.8	1.9	2.2	18.0	20.2
New Zealand	1176	78.2	1.8	18.8	78.2	0.7	0.1	0.4	77.5	78.9
Norway	671	66.8	0.8	27.3	66.8	1.5	1.2	2.3	64.5	69.2
Oman	1257	21.9	8.9	56.8	21.9	10.4	1.2	0.8	22.0	21.8
Qatar	777	35.9	8.0	47.5	35.9	5.3	0.4	2.9	34.6	37.2
Russian Federation	685	80.9	0.4	13.2	80.9	2.9	0.8	1.7	82.8	79.1
Saudi Arabia	525	26.5	6.6	60.7	26.5	4.7	0.8	0.7	24.3	28.9
Singapore	872	81.7	3.5	12.9	81.7	1.1	0.0	0.8	80.0	83.2
Slovenia	606	76.8	1.4	18.6	76.8	2.2	0.7	0.2	75.3	78.2
South Africa	1788	30.5	15.2	35.1	30.5	15.3	1.1	2.8	32.6	28.4
Sweden	578	56.6	1.1	31.3	56.6	3.0	3.5	4.5	52.4	60.4
Thailand	920	43.6	3.8	42.3	43.6	7.8	0.8	1.7	42.9	44.6
Turkey	861	80.7	3.1	5.3	80.7	10.1	0.5	0.2	82.3	79.2
United Arab Emirates	2582	44.5	5.2	42.5	44.5	5.1	1.4	1.3	44.6	44.5
United States	1463	76.6	2.5	16.8	76.6	1.4	0.7	2.0	74.2	78.9
International Avg (n=39)	35966	58.5	4.1	29.6	58.5	5.0	1.0	1.8	57.8	59.2
Buenos Aires, Argentina	440	50.5	1.9	27.2	50.5	7.5	2.3	10.5	58.3	42.6
Ontario, Canada	647	83.4	1.2	10.5	83.4	1.1	0.0	3.8	83.5	83.5
Quebec, Canada	552	77.8	0.7	13.0	77.8	2.3	0.3	5.9	76.1	79.5
Norway (8)	696	70.3	1.7	20.9	70.3	2.8	2.5	1.8	68.2	72.3
Abu Dhabi, UAE	698	44.2	4.2	44.3	44.2	4.4	1.2	1.7	43.1	45.2
Dubai, UAE	877	58.0	6.0	30.2	58.0	3.7	0.6	1.5	57.3	58.8
Florida, US	302	66.2	5.2	23.2	66.2	4.4	0.0	1.0	66.1	66.3

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

M08_01 (M062005): Number / Knowing Type: MC Key: C
Label: 832 divided by 16 is equal to

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	64.3	12.6	9.0	64.3	12.8	1.3	0.0	68.6	59.9
Bahrain	692	57.1	14.6	11.8	57.1	15.8	0.5	0.2	57.0	57.2
Botswana	853	52.2	12.9	11.9	52.2	18.9	4.0	0.1	53.5	51.0
Canada	1251	74.6	7.1	5.8	74.6	10.7	1.9	0.1	78.7	70.2
Chile	670	26.6	21.5	16.4	26.6	29.0	6.6	0.0	24.0	29.2
Chinese Taipei	805	67.9	13.3	2.8	67.9	15.8	0.2	0.0	64.2	71.3
Egypt	1107	47.1	18.7	13.6	47.1	18.5	1.9	0.2	50.0	43.6
England	674	64.6	14.5	6.2	64.6	11.8	2.9	0.0	63.7	65.4
Georgia	581	52.4	16.8	4.7	52.4	21.0	4.7	0.3	50.3	54.3
Hong Kong SAR	595	78.9	7.0	6.2	78.9	7.4	0.4	0.1	78.0	79.6
Hungary	696	60.2	13.0	9.8	60.2	13.1	3.9	0.0	60.2	60.1
Iran, Islamic Rep. of	859	44.0	19.9	9.4	44.0	21.6	4.9	0.2	46.3	41.9
Ireland	674	78.7	7.0	4.5	78.7	6.7	2.8	0.4	80.6	76.6
Israel	775	67.7	16.5	5.7	67.7	6.9	2.9	0.3	69.1	66.4
Italy	649	62.8	12.2	6.7	62.8	14.5	3.8	0.0	66.5	59.1
Japan	674	67.9	12.2	7.1	67.9	11.4	1.4	0.1	66.0	69.7
Jordan	1110	35.2	20.5	16.5	35.2	23.6	4.1	0.0	35.2	35.2
Kazakhstan	696	70.6	10.3	4.2	70.6	13.3	1.6	0.0	67.6	73.5
Korea, Rep. of	749	66.0	12.1	6.4	66.0	14.3	1.2	0.0	65.2	66.7
Kuwait	621	33.4	23.0	17.7	33.4	19.2	5.7	1.0	29.6	37.4
Lebanon	543	68.9	9.4	7.1	68.9	10.2	3.9	0.5	67.5	70.6
Lithuania	613	64.5	10.8	6.4	64.5	15.7	2.5	0.0	65.6	63.5
Malaysia	1389	82.1	4.9	6.4	82.1	5.4	1.0	0.1	83.8	80.5
Malta	548	66.4	15.7	9.0	66.4	6.7	2.3	0.0	72.2	60.8
Morocco	1867	37.6	20.9	10.6	37.6	25.7	5.2	0.1	41.4	34.3
New Zealand	1188	51.3	19.5	10.7	51.3	15.6	2.9	0.0	52.2	50.3
Norway	664	50.9	16.7	11.1	50.9	17.6	3.5	0.1	52.7	49.1
Oman	1272	46.0	21.1	13.6	46.0	15.2	4.1	0.0	45.8	46.1
Qatar	770	50.3	21.1	13.0	50.3	11.5	3.8	0.4	54.7	45.8
Russian Federation	690	71.3	11.8	4.7	71.3	11.0	1.2	0.0	70.3	72.2
Saudi Arabia	533	39.0	20.5	17.9	39.0	18.4	4.2	0.0	40.7	37.2
Singapore	871	87.5	4.4	2.5	87.5	5.1	0.4	0.1	88.5	86.5
Slovenia	617	58.4	11.1	6.4	58.4	22.1	2.1	0.0	60.4	56.4
South Africa	1800	44.4	19.4	9.7	44.4	22.7	3.7	0.1	43.4	45.6
Sweden	579	46.5	19.3	13.9	46.5	15.7	4.5	0.1	46.1	46.9
Thailand	927	49.6	16.1	10.5	49.6	21.2	2.4	0.1	54.1	44.4
Turkey	866	44.3	19.2	9.0	44.3	26.4	1.1	0.0	47.8	41.2
United Arab Emirates	2581	59.6	15.7	9.5	59.6	11.8	3.4	0.0	60.1	59.1
United States	1454	67.1	9.7	7.0	67.1	14.3	1.8	0.1	72.6	61.7
International Avg (n=39)	35967	57.9	14.7	9.1	57.9	15.4	2.8	0.1	58.8	56.9
Buenos Aires, Argentina	445	36.9	15.2	7.0	36.9	21.0	18.3	1.6	35.9	38.1
Ontario, Canada	647	73.3	7.5	7.1	73.3	10.2	1.9	0.0	76.8	69.6
Quebec, Canada	564	78.6	5.2	2.0	78.6	11.9	2.2	0.2	83.3	73.5
Norway (8)	696	44.7	16.2	11.5	44.7	20.1	7.2	0.3	47.4	42.4
Abu Dhabi, UAE	702	56.9	16.9	9.2	56.9	12.9	4.1	0.0	60.6	53.5
Dubai, UAE	874	68.6	11.7	7.5	68.6	11.1	1.1	0.0	65.3	72.1
Florida, US	304	66.0	12.6	11.6	66.0	8.3	1.1	0.3	70.6	61.6

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

M08_02 (M062139): Number / Applying Type: CR 1 Point
Label: Number of biscuits Marina keeps for herself

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	40.2	53.8	40.2	6.0	0.0	43.2	37.0
Bahrain	692	21.2	70.3	21.2	8.3	0.2	27.9	15.0
Botswana	853	12.6	82.1	12.6	5.2	0.1	14.2	11.1
Canada	1253	45.2	51.1	45.2	3.7	0.1	48.0	42.3
Chile	670	19.5	65.8	19.5	14.7	0.0	19.0	20.1
Chinese Taipei	805	63.1	35.0	63.1	1.9	0.0	65.2	61.1
Egypt	1107	16.4	71.7	16.4	11.6	0.3	17.2	15.4
England	674	47.1	47.3	47.1	5.5	0.0	50.3	43.9
Georgia	581	34.8	46.8	34.8	17.9	0.5	32.5	36.8
Hong Kong SAR	595	60.2	37.1	60.2	2.6	0.1	58.9	61.4
Hungary	696	42.0	46.5	42.0	11.5	0.0	41.0	42.9
Iran, Islamic Rep. of	859	23.6	65.5	23.6	10.5	0.4	22.4	24.7
Ireland	674	47.0	47.9	47.0	4.6	0.4	48.9	45.1
Israel	775	44.7	48.7	44.7	6.2	0.4	43.1	46.1
Italy	648	31.3	57.4	31.3	11.0	0.3	32.7	29.9
Japan	674	49.4	47.3	49.4	3.2	0.1	49.1	49.6
Jordan	1110	15.6	76.2	15.6	8.2	0.0	14.6	16.6
Kazakhstan	696	44.5	48.0	44.5	7.5	0.0	42.0	47.0
Korea, Rep. of	749	58.4	41.2	58.4	0.4	0.0	57.6	59.2
Kuwait	621	13.3	75.0	13.3	10.5	1.2	12.5	13.8
Lebanon	546	13.8	63.6	13.8	22.1	0.5	13.5	14.2
Lithuania	613	37.8	52.7	37.8	9.4	0.1	36.5	39.1
Malaysia	1389	16.4	76.8	16.4	6.7	0.1	17.8	15.1
Malta	548	30.5	62.1	30.5	7.4	0.0	35.1	26.0
Morocco	1868	15.3	68.0	15.3	16.6	0.1	16.6	14.2
New Zealand	1188	41.3	52.2	41.3	6.5	0.0	41.8	40.8
Norway	664	45.6	47.9	45.6	6.4	0.1	45.9	45.3
Oman	1271	10.6	83.2	10.6	6.1	0.0	11.6	9.7
Qatar	770	24.6	68.2	24.6	6.8	0.4	25.8	23.3
Russian Federation	690	47.5	43.4	47.5	9.1	0.0	39.7	54.6
Saudi Arabia	533	15.1	76.8	15.1	8.1	0.0	16.7	13.4
Singapore	871	67.9	30.9	67.9	1.0	0.2	70.6	65.4
Slovenia	617	35.1	55.9	35.1	9.0	0.0	39.8	30.6
South Africa	1800	10.1	84.7	10.1	5.1	0.1	11.0	9.2
Sweden	579	51.5	41.8	51.5	6.6	0.1	52.9	50.1
Thailand	927	20.7	73.7	20.7	5.4	0.1	23.3	17.7
Turkey	866	21.0	73.0	21.0	6.1	0.0	20.7	21.2
United Arab Emirates	2581	26.7	67.6	26.7	5.7	0.0	29.0	24.5
United States	1454	41.7	55.5	41.7	2.5	0.3	43.9	39.6
International Avg (n=39)	35971	33.4	58.8	33.4	7.6	0.2	34.2	32.6
Buenos Aires, Argentina	454	18.2	52.4	18.2	26.0	3.4	16.0	20.9
Ontario, Canada	647	45.7	51.1	45.7	3.2	0.0	48.8	42.5
Quebec, Canada	566	48.6	47.3	48.6	3.9	0.2	51.2	45.9
Norway (8)	696	40.3	51.2	40.3	8.3	0.3	39.3	41.2
Abu Dhabi, UAE	702	22.6	70.1	22.6	7.3	0.0	26.0	19.6
Dubai, UAE	874	37.1	59.7	37.1	3.2	0.0	37.6	36.4
Florida, US	304	33.8	62.2	33.8	3.7	0.3	34.6	33.0

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.

M08_03 (M062164): Number / Knowing Type: MC Key: A
Label: Number to add to 2/5 to get 0.42

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	59.4	59.4	14.3	17.7	5.5	3.0	0.0	61.4	57.2
Bahrain	692	41.9	41.9	17.1	30.6	8.9	1.4	0.2	43.8	40.0
Botswana	853	40.6	40.6	10.4	30.3	15.8	2.8	0.1	44.9	36.3
Canada	1251	70.9	70.9	10.3	12.8	3.5	2.2	0.4	73.3	68.2
Chile	670	34.5	34.5	20.2	31.6	6.6	7.1	0.0	32.4	36.6
Chinese Taipei	805	82.2	82.2	3.9	6.2	7.4	0.3	0.0	84.6	80.0
Egypt	1107	37.1	37.1	11.7	32.9	15.4	2.5	0.4	39.2	34.6
England	674	57.5	57.5	14.2	18.3	6.0	3.7	0.3	57.3	57.6
Georgia	581	52.2	52.2	12.4	19.6	11.0	4.0	0.8	53.1	51.4
Hong Kong SAR	595	87.1	87.1	3.2	3.8	5.0	0.8	0.1	88.1	86.2
Hungary	696	59.4	59.4	14.1	18.0	6.0	2.5	0.0	60.7	58.3
Iran, Islamic Rep. of	859	38.2	38.2	11.4	31.9	12.1	6.0	0.4	42.8	34.0
Ireland	674	80.9	80.9	7.3	7.1	2.5	1.8	0.4	80.3	81.6
Israel	775	66.1	66.1	9.1	16.1	4.8	3.3	0.5	67.5	64.9
Italy	649	58.9	58.9	11.4	18.1	6.5	4.9	0.3	66.2	51.8
Japan	674	72.9	72.9	7.2	10.5	7.6	1.7	0.1	72.2	73.5
Jordan	1110	28.7	28.7	15.7	39.2	12.7	3.5	0.2	31.5	25.6
Kazakhstan	696	69.2	69.2	7.3	15.5	5.9	2.1	0.0	73.5	65.1
Korea, Rep. of	749	79.0	79.0	3.0	7.4	10.3	0.3	0.0	77.7	80.2
Kuwait	622	33.0	33.0	15.2	33.2	13.4	4.0	1.2	32.7	33.5
Lebanon	543	62.1	62.1	3.4	24.5	4.8	4.5	0.6	61.6	62.7
Lithuania	613	66.0	66.0	11.1	15.2	4.9	2.6	0.1	70.5	61.3
Malaysia	1389	66.1	66.1	5.7	15.9	11.0	1.1	0.2	75.0	57.6
Malta	548	65.4	65.4	9.7	15.2	7.5	2.0	0.2	71.1	60.0
Morocco	1867	41.7	41.7	11.6	32.1	11.6	2.9	0.2	48.1	36.2
New Zealand	1188	54.2	54.2	14.9	22.5	5.0	3.3	0.1	52.8	55.8
Norway	664	56.3	56.3	15.4	18.3	3.9	6.0	0.1	60.7	52.1
Oman	1272	46.5	46.5	10.1	25.5	15.1	2.8	0.0	55.3	38.7
Qatar	770	49.2	49.2	12.6	28.5	7.1	2.1	0.4	51.6	46.7
Russian Federation	690	73.5	73.5	7.8	11.4	3.5	3.8	0.0	73.9	73.2
Saudi Arabia	533	26.9	26.9	15.4	38.0	16.3	3.4	0.0	24.7	29.1
Singapore	871	91.7	91.7	2.3	3.4	1.7	0.8	0.2	92.5	90.9
Slovenia	617	57.7	57.7	15.9	17.2	3.8	5.4	0.0	58.1	57.4
South Africa	1800	36.3	36.3	10.6	36.1	14.4	2.5	0.1	39.9	32.7
Sweden	579	58.8	58.8	11.8	17.0	5.1	7.3	0.1	61.3	56.9
Thailand	927	37.7	37.7	12.9	29.1	16.1	3.5	0.8	43.7	30.6
Turkey	866	36.1	36.1	14.3	30.3	17.2	2.2	0.0	37.9	34.5
United Arab Emirates	2581	55.4	55.4	9.6	24.2	7.5	3.2	0.1	59.9	51.2
United States	1454	72.1	72.1	8.8	13.6	3.2	2.1	0.3	74.1	70.1
International Avg (n=39)	35968	56.5	56.5	10.9	21.0	8.4	3.1	0.2	58.9	54.2
Buenos Aires, Argentina	435	27.8	27.8	14.3	27.6	6.7	19.9	3.7	26.2	29.6
Ontario, Canada	647	69.0	69.0	11.4	13.0	3.7	2.8	0.0	71.0	66.8
Quebec, Canada	564	79.0	79.0	6.2	10.8	2.8	1.1	0.2	81.2	76.7
Norway (8)	696	51.2	51.2	16.9	20.6	5.3	5.7	0.3	50.2	52.1
Abu Dhabi, UAE	702	50.8	50.8	8.6	26.7	8.5	5.2	0.2	58.0	44.1
Dubai, UAE	874	67.0	67.0	9.6	16.2	5.6	1.6	0.0	69.5	64.4
Florida, US	304	69.0	69.0	6.9	17.0	5.3	1.4	0.3	76.0	62.4

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

M08_04 (M062142): Number / Applying Type: CR 1 Point
Label: Shade 40% of the rectangle

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	57.0	41.6	57.0	1.4	0.0	55.4	58.7
Bahrain	692	40.6	55.7	40.6	3.6	0.2	39.0	42.1
Botswana	853	45.2	50.4	45.2	4.3	0.1	45.5	45.0
Canada	1253	68.5	30.0	68.5	1.1	0.5	66.4	70.7
Chile	670	44.6	46.9	44.6	8.5	0.0	39.1	50.3
Chinese Taipei	805	74.1	22.2	74.1	3.7	0.0	72.2	75.9
Egypt	1107	41.2	50.7	41.2	7.7	0.4	37.2	45.9
England	674	65.5	33.2	65.5	1.0	0.3	63.8	67.2
Georgia	581	60.1	27.8	60.1	10.8	1.3	60.7	59.6
Hong Kong SAR	595	85.7	13.7	85.7	0.5	0.1	82.4	88.6
Hungary	696	72.2	26.1	72.2	1.7	0.0	66.8	77.2
Iran, Islamic Rep. of	859	38.1	52.6	38.1	8.8	0.4	33.5	42.3
Ireland	674	72.4	25.5	72.4	1.6	0.4	66.8	78.6
Israel	775	67.1	29.5	67.1	2.6	0.7	65.0	69.0
Italy	648	54.5	37.6	54.5	7.5	0.3	49.3	59.5
Japan	674	76.1	22.7	76.1	1.1	0.1	74.9	77.2
Jordan	1110	32.0	62.7	32.0	5.1	0.2	28.2	36.2
Kazakhstan	696	72.5	22.7	72.5	4.9	0.0	70.7	74.1
Korea, Rep. of	749	81.3	18.5	81.3	0.3	0.0	76.7	85.4
Kuwait	622	30.0	58.9	30.0	9.6	1.4	21.4	38.9
Lebanon	545	45.2	26.4	45.2	27.8	0.6	41.0	49.9
Lithuania	613	70.9	25.7	70.9	2.9	0.5	69.9	72.1
Malaysia	1389	58.8	36.5	58.8	4.3	0.4	57.7	59.8
Malta	548	65.7	31.9	65.7	2.0	0.4	64.6	66.7
Morocco	1867	31.5	38.7	31.5	29.4	0.3	28.4	34.3
New Zealand	1188	58.7	39.6	58.7	1.7	0.1	56.2	61.4
Norway	664	72.7	25.4	72.7	1.8	0.1	73.0	72.3
Oman	1268	35.5	58.1	35.5	6.3	0.0	30.6	39.9
Qatar	770	49.3	46.2	49.3	4.1	0.4	46.5	52.3
Russian Federation	690	72.3	24.0	72.3	3.8	0.0	66.8	77.1
Saudi Arabia	533	28.5	62.8	28.5	8.6	0.0	22.2	35.2
Singapore	871	90.1	9.0	90.1	0.7	0.2	89.8	90.3
Slovenia	617	68.5	29.7	68.5	1.8	0.0	67.8	69.1
South Africa	1800	24.2	65.8	24.2	9.8	0.2	19.8	28.5
Sweden	560	71.8	23.1	71.8	5.0	0.1	68.7	75.4
Thailand	927	43.9	45.8	43.9	9.5	0.8	46.7	40.6
Turkey	866	45.9	48.2	45.9	5.9	0.0	41.6	49.8
United Arab Emirates	2581	49.3	47.3	49.3	3.3	0.1	45.8	52.7
United States	1454	63.4	35.1	63.4	1.1	0.4	62.2	64.5
International Avg (n=39)	35948	57.1	37.1	57.1	5.5	0.3	54.2	59.9
Buenos Aires, Argentina	454	41.5	37.9	41.5	16.8	3.9	32.9	51.7
Ontario, Canada	647	62.8	35.9	62.8	1.2	0.1	61.2	64.6
Quebec, Canada	566	83.6	16.0	83.6	0.1	0.2	85.3	82.0
Norway (8)	696	65.7	32.5	65.7	1.5	0.3	63.8	67.4
Abu Dhabi, UAE	702	42.8	53.2	42.8	3.8	0.2	39.8	45.4
Dubai, UAE	874	62.1	35.8	62.1	2.0	0.1	58.5	66.0
Florida, US	304	52.7	45.5	52.7	1.5	0.3	52.7	52.8

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.

M08_05 (M062084): Algebra / Knowing Type: MC Key: A
Label: Solve the inequality with y

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	14.5	14.5	32.3	36.2	13.3	3.5	0.2	17.6	11.3
Bahrain	692	32.3	32.3	20.9	32.0	13.1	1.6	0.2	30.0	34.4
Botswana	853	12.3	12.3	32.9	34.9	16.8	2.8	0.3	14.2	10.5
Canada	1252	15.0	15.0	31.1	36.5	12.9	3.7	0.8	16.4	13.3
Chile	670	12.1	12.1	34.5	36.1	11.3	5.9	0.0	12.0	12.3
Chinese Taipei	805	58.4	58.4	22.7	11.7	7.0	0.2	0.0	58.7	58.2
Egypt	1107	25.4	25.4	26.8	29.6	15.9	1.9	0.4	26.7	23.8
England	674	16.1	16.1	29.8	38.7	10.6	4.5	0.3	18.4	13.7
Georgia	582	27.2	27.2	28.1	29.3	11.4	2.1	1.9	26.9	27.4
Hong Kong SAR	595	35.8	35.8	32.2	19.7	11.8	0.4	0.1	32.8	38.3
Hungary	696	20.5	20.5	27.2	36.3	12.0	4.0	0.0	20.3	20.7
Iran, Islamic Rep. of	859	8.9	8.9	25.1	42.9	16.2	6.5	0.4	8.6	9.2
Ireland	674	12.6	12.6	28.7	40.3	12.7	5.4	0.4	12.8	12.4
Israel	775	27.2	27.2	23.2	31.1	12.7	5.1	0.8	28.9	25.8
Italy	649	11.1	11.1	22.8	42.1	11.6	12.1	0.3	11.0	11.2
Japan	674	20.9	20.9	32.4	33.0	11.8	1.8	0.1	19.5	22.2
Jordan	1110	16.8	16.8	27.0	39.2	13.8	3.1	0.2	18.4	15.1
Kazakhstan	696	53.8	53.8	22.9	14.9	7.3	1.0	0.1	58.1	49.7
Korea, Rep. of	749	57.4	57.4	16.8	18.7	7.0	0.1	0.0	57.0	57.7
Kuwait	622	23.6	23.6	30.4	26.9	13.5	4.1	1.4	21.1	26.2
Lebanon	542	31.8	31.8	19.8	25.8	13.1	8.9	0.6	34.0	29.3
Lithuania	613	22.7	22.7	22.3	30.3	21.5	2.8	0.5	21.4	24.0
Malaysia	1389	30.7	30.7	19.7	26.7	20.5	2.0	0.4	34.0	27.5
Malta	548	17.5	17.5	30.8	35.1	11.5	4.8	0.4	15.8	19.1
Morocco	1868	12.8	12.8	26.7	43.1	12.1	4.9	0.4	13.4	12.3
New Zealand	1188	14.6	14.6	26.9	40.0	13.4	5.0	0.1	12.2	17.3
Norway	664	12.4	12.4	33.0	35.4	12.9	6.0	0.2	12.9	11.9
Oman	1272	21.7	21.7	26.4	31.1	17.7	3.0	0.0	22.1	21.3
Qatar	770	16.1	16.1	28.0	35.1	16.2	4.1	0.5	15.2	17.0
Russian Federation	690	47.1	47.1	15.7	21.6	13.3	2.2	0.1	50.0	44.4
Saudi Arabia	531	20.3	20.3	31.8	32.3	14.6	1.1	0.0	17.4	23.2
Singapore	871	38.0	38.0	34.3	17.1	9.4	1.0	0.2	40.5	35.8
Slovenia	617	14.9	14.9	28.1	34.4	13.8	8.7	0.0	14.9	14.9
South Africa	1800	13.4	13.4	31.1	39.5	14.3	1.6	0.2	14.3	12.4
Sweden	579	11.3	11.3	24.7	38.3	15.1	10.5	0.1	14.4	8.4
Thailand	927	18.9	18.9	27.7	36.5	13.2	2.9	0.8	18.5	19.3
Turkey	865	17.0	17.0	28.5	35.1	17.6	1.8	0.0	17.9	16.2
United Arab Emirates	2581	19.0	19.0	32.1	34.9	10.4	3.5	0.1	18.3	19.7
United States	1454	24.9	24.9	29.0	31.7	11.6	2.3	0.4	24.9	24.9
International Avg (n=39)	35967	23.2	23.2	27.3	32.2	13.2	3.8	0.3	23.6	22.9
Buenos Aires, Argentina	428	7.8	7.8	20.2	24.7	9.5	33.8	4.0	6.9	8.8
Ontario, Canada	647	17.4	17.4	30.7	34.7	13.0	4.1	0.1	19.3	15.2
Quebec, Canada	565	13.7	13.7	29.7	40.0	12.5	3.9	0.2	14.3	13.2
Norway (8)	696	13.2	13.2	30.2	34.9	12.5	8.8	0.4	11.8	14.5
Abu Dhabi, UAE	702	16.7	16.7	35.4	34.1	9.6	4.0	0.2	14.9	18.2
Dubai, UAE	874	22.4	22.4	29.4	34.0	12.3	1.8	0.1	23.0	21.8
Florida, US	304	24.4	24.4	33.0	29.4	11.0	1.9	0.3	24.3	24.5

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

M08_06 (M062351): Algebra / Knowing Type: MC Key: B
Label: Identify line with positive slope

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	40.0	8.7	40.0	32.6	17.1	1.4	0.2	40.3	39.6
Bahrain	692	56.8	9.1	56.8	21.8	11.7	0.5	0.2	60.3	53.5
Botswana	853	25.4	23.8	25.4	29.2	19.7	1.6	0.3	25.6	25.3
Canada	1251	35.6	9.4	35.6	37.5	15.1	1.5	0.9	33.2	38.1
Chile	670	20.8	16.6	20.8	27.3	28.6	6.1	0.6	18.7	23.0
Chinese Taipei	805	19.8	11.2	19.8	48.5	20.1	0.5	0.0	16.7	22.6
Egypt	1107	23.8	18.8	23.8	36.7	18.3	1.7	0.6	22.9	24.9
England	674	51.4	5.9	51.4	27.5	13.6	1.1	0.5	48.9	54.0
Georgia	582	20.0	9.7	20.0	44.1	20.7	3.6	1.9	16.1	23.4
Hong Kong SAR	595	29.3	8.4	29.3	46.8	15.1	0.4	0.1	25.5	32.5
Hungary	696	34.3	10.5	34.3	37.2	17.1	0.9	0.0	28.8	39.6
Iran, Islamic Rep. of	859	21.3	16.8	21.3	43.4	16.7	1.4	0.5	17.7	24.6
Ireland	674	51.3	7.7	51.3	25.3	13.7	1.6	0.4	50.1	52.7
Israel	775	64.8	6.4	64.8	21.4	5.3	1.2	0.9	64.2	65.3
Italy	649	20.4	20.3	20.4	33.0	23.4	2.7	0.3	19.8	20.9
Japan	674	55.9	11.7	55.9	20.3	10.7	1.0	0.4	53.6	58.1
Jordan	1110	16.7	16.8	16.7	45.0	20.5	0.8	0.2	15.0	18.6
Kazakhstan	696	29.8	8.7	29.8	52.3	7.2	2.0	0.1	28.5	31.0
Korea, Rep. of	749	41.1	7.9	41.1	42.9	7.7	0.4	0.0	38.8	43.2
Kuwait	622	24.3	14.6	24.3	36.9	19.7	2.8	1.7	18.3	30.1
Lebanon	543	13.9	19.1	13.9	37.3	18.3	10.7	0.6	14.8	12.8
Lithuania	613	18.0	18.2	18.0	34.3	23.4	5.7	0.5	19.3	16.8
Malaysia	1389	39.3	10.7	39.3	36.7	11.8	0.9	0.7	43.3	35.4
Malta	548	37.8	12.9	37.8	28.4	19.5	1.1	0.4	36.2	39.2
Morocco	1868	17.2	26.4	17.2	24.1	27.4	4.4	0.5	14.1	19.9
New Zealand	1188	41.3	9.3	41.3	28.6	17.5	3.1	0.1	39.3	43.6
Norway	664	45.9	5.5	45.9	13.8	30.9	3.7	0.2	41.8	49.9
Oman	1272	14.2	15.7	14.2	53.3	15.0	1.8	0.0	12.8	15.3
Qatar	770	31.0	17.1	31.0	32.8	16.6	1.8	0.7	28.9	33.2
Russian Federation	690	28.4	6.7	28.4	52.1	7.4	5.3	0.1	24.9	31.5
Saudi Arabia	531	25.2	15.9	25.2	38.5	19.3	1.0	0.1	18.0	32.7
Singapore	871	62.0	6.7	62.0	24.3	6.2	0.6	0.2	64.2	60.0
Slovenia	617	9.7	18.4	9.7	52.5	15.8	3.6	0.0	7.1	12.1
South Africa	1800	16.4	29.5	16.4	18.5	34.0	1.3	0.2	14.4	18.4
Sweden	579	33.4	18.1	33.4	20.7	20.0	7.5	0.3	30.4	36.8
Thailand	927	14.4	11.4	14.4	40.6	30.0	2.8	0.8	12.6	16.5
Turkey	866	26.6	15.4	26.6	36.5	20.5	1.1	0.0	23.9	29.0
United Arab Emirates	2581	39.8	12.5	39.8	31.9	13.5	2.1	0.2	37.8	41.8
United States	1454	74.5	2.8	74.5	15.7	5.2	1.4	0.5	73.4	75.7
International Avg (n=39)	35968	32.6	13.2	32.6	34.1	17.3	2.4	0.4	30.8	34.4
Buenos Aires, Argentina	431	14.9	15.3	14.9	13.3	23.0	27.9	5.6	10.8	19.5
Ontario, Canada	647	38.5	10.7	38.5	31.7	17.0	1.8	0.2	37.4	39.9
Quebec, Canada	564	29.9	6.7	29.9	48.5	13.5	1.1	0.3	24.5	35.6
Norway (8)	696	37.5	7.3	37.5	9.6	38.1	6.7	0.7	34.9	39.9
Abu Dhabi, UAE	702	35.8	17.8	35.8	27.7	15.7	2.7	0.2	33.1	38.4
Dubai, UAE	874	42.7	6.1	42.7	39.1	11.3	0.6	0.3	36.6	49.3
Florida, US	304	65.2	4.5	65.2	21.0	7.4	1.6	0.3	62.4	67.8

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

M08_07 (M062223): Algebra / Applying Type: MC Key: D
Label: Expression for perimeter of a pentagon

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	68.0	15.6	6.5	9.0	68.0	0.6	0.2	70.7	65.1
Bahrain	692	56.1	13.4	15.0	14.5	56.1	0.7	0.2	61.2	51.2
Botswana	852	49.9	25.3	14.0	8.9	49.9	1.4	0.3	52.4	47.5
Canada	1252	74.9	9.1	5.7	8.5	74.9	1.1	0.9	74.7	75.2
Chile	670	49.2	21.2	12.0	12.8	49.2	3.9	0.8	49.1	49.3
Chinese Taipei	805	87.9	2.8	3.0	6.3	87.9	0.0	0.0	88.7	87.2
Egypt	1107	45.0	20.2	12.3	20.3	45.0	1.7	0.6	47.1	42.6
England	674	72.8	11.0	9.6	5.0	72.8	1.1	0.5	72.1	73.5
Georgia	582	58.7	16.9	7.0	14.3	58.7	1.2	1.9	55.1	61.8
Hong Kong SAR	595	88.0	2.2	3.1	6.5	88.0	0.2	0.1	85.5	90.1
Hungary	696	70.2	6.7	4.0	18.6	70.2	0.5	0.1	73.0	67.5
Iran, Islamic Rep. of	859	52.1	16.5	7.9	21.2	52.1	1.9	0.5	57.9	46.8
Ireland	674	64.7	17.1	8.1	8.7	64.7	0.9	0.4	67.1	62.0
Israel	775	72.4	7.3	7.5	10.5	72.4	1.3	0.9	72.6	72.3
Italy	649	73.6	10.9	6.1	8.0	73.6	1.1	0.4	77.3	69.9
Japan	674	81.2	4.5	5.5	8.1	81.2	0.4	0.4	81.3	81.1
Jordan	1110	42.6	21.3	11.4	22.6	42.6	1.9	0.2	45.8	39.0
Kazakhstan	696	68.2	16.1	5.4	9.7	68.2	0.3	0.3	70.0	66.6
Korea, Rep. of	749	89.8	3.5	2.5	3.9	89.8	0.4	0.0	91.0	88.6
Kuwait	622	30.6	28.9	17.0	18.4	30.6	3.4	1.7	30.3	30.9
Lebanon	545	57.3	14.2	10.5	11.2	57.3	6.3	0.6	55.9	58.8
Lithuania	613	76.1	11.5	5.3	5.0	76.1	1.6	0.5	75.9	76.3
Malaysia	1389	67.7	14.0	6.3	10.3	67.7	0.8	0.9	70.9	64.6
Malta	548	69.2	11.9	7.5	10.4	69.2	0.6	0.4	70.6	67.9
Morocco	1866	37.2	19.2	13.9	25.8	37.2	3.2	0.6	38.9	35.8
New Zealand	1188	65.0	13.4	9.1	11.1	65.0	1.3	0.1	67.1	62.8
Norway	664	66.9	10.1	7.5	14.4	66.9	1.0	0.2	71.0	62.9
Oman	1272	45.8	21.7	11.3	18.9	45.8	2.3	0.0	51.8	40.5
Qatar	770	53.3	14.4	11.8	17.6	53.3	2.1	0.9	57.8	48.5
Russian Federation	690	75.4	9.6	4.4	8.7	75.4	1.3	0.6	71.5	78.8
Saudi Arabia	533	31.9	22.2	18.2	27.2	31.9	0.5	0.1	30.9	33.0
Singapore	871	92.2	2.4	1.7	3.2	92.2	0.3	0.2	94.2	90.3
Slovenia	617	73.9	7.9	3.9	13.4	73.9	0.9	0.0	73.9	73.8
South Africa	1800	33.7	33.7	10.0	21.4	33.7	1.0	0.3	34.3	33.0
Sweden	579	77.2	6.3	3.6	7.7	77.2	4.9	0.3	78.7	76.7
Thailand	927	48.2	24.2	10.2	15.4	48.2	1.1	0.9	50.9	45.1
Turkey	866	62.0	14.4	8.1	15.5	62.0	0.1	0.0	64.6	59.6
United Arab Emirates	2581	55.2	17.7	9.7	15.3	55.2	1.9	0.2	59.5	51.1
United States	1454	68.7	13.8	7.2	8.6	68.7	1.2	0.5	71.0	66.5
International Avg (n=39)	35970	62.9	14.2	8.3	12.7	62.9	1.4	0.5	64.4	61.4
Buenos Aires, Argentina	441	35.9	12.7	11.1	14.9	35.9	19.9	5.5	35.8	36.1
Ontario, Canada	647	70.7	11.3	6.3	9.8	70.7	1.7	0.2	71.7	69.9
Quebec, Canada	565	86.2	3.7	4.2	5.4	86.2	0.2	0.3	85.4	87.1
Norway (8)	696	53.2	15.8	14.6	12.6	53.2	3.1	0.8	56.2	50.5
Abu Dhabi, UAE	702	50.4	19.7	12.6	15.0	50.4	2.0	0.2	54.3	46.7
Dubai, UAE	874	68.6	11.4	7.2	11.2	68.6	1.3	0.3	71.5	65.4
Florida, US	304	61.3	18.2	7.4	12.2	61.3	0.6	0.3	62.1	60.5

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

M08_08 (M062027): Algebra / Reasoning Type: CR 1 Point
Label: y-value in table of points on straight line

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	49.5	44.6	49.5	5.7	0.2	45.4	53.7
Bahrain	692	32.1	61.8	32.1	5.8	0.3	31.6	32.5
Botswana	852	13.8	80.0	13.8	5.7	0.5	12.0	15.5
Canada	1253	53.9	39.2	53.9	5.9	1.1	48.9	59.1
Chile	670	22.8	58.5	22.8	17.7	1.0	18.4	27.3
Chinese Taipei	805	76.0	20.5	76.0	3.5	0.0	73.8	77.9
Egypt	1107	16.1	68.8	16.1	14.3	0.8	14.0	18.6
England	674	59.1	35.9	59.1	4.5	0.5	55.9	62.2
Georgia	582	17.4	67.3	17.4	13.3	2.1	15.2	19.2
Hong Kong SAR	595	49.3	44.9	49.3	5.7	0.1	42.4	55.2
Hungary	696	42.9	47.5	42.9	9.5	0.1	39.5	46.1
Iran, Islamic Rep. of	859	16.3	58.5	16.3	24.6	0.6	13.4	18.9
Ireland	674	47.9	45.9	47.9	5.8	0.4	42.0	54.3
Israel	775	49.8	40.7	49.8	8.3	1.2	43.9	55.0
Italy	649	22.7	62.8	22.7	13.9	0.6	19.9	25.4
Japan	674	69.0	27.9	69.0	2.7	0.4	64.4	73.6
Jordan	1110	18.9	74.6	18.9	6.2	0.3	18.6	19.2
Kazakhstan	696	36.5	55.5	36.5	7.7	0.3	34.9	38.0
Korea, Rep. of	749	60.6	36.6	60.6	2.7	0.0	58.6	62.5
Kuwait	622	17.6	65.8	17.6	14.7	1.9	14.0	20.9
Lebanon	545	11.2	65.2	11.2	22.7	0.9	6.7	16.3
Lithuania	613	33.1	57.3	33.1	9.1	0.5	30.6	35.7
Malaysia	1389	34.2	57.4	34.2	7.2	1.3	33.8	34.5
Malta	548	47.5	47.4	47.5	4.8	0.4	45.3	49.6
Morocco	1865	12.7	71.3	12.7	15.2	0.9	11.5	13.7
New Zealand	1188	47.9	46.7	47.9	5.3	0.1	47.6	48.1
Norway	664	41.8	47.0	41.8	11.0	0.2	37.8	45.7
Oman	1268	25.1	63.3	25.1	11.5	0.1	23.1	27.0
Qatar	770	31.7	60.7	31.7	6.5	1.0	27.4	36.2
Russian Federation	690	35.5	55.5	35.5	8.2	0.7	28.3	42.0
Saudi Arabia	533	19.2	71.8	19.2	8.9	0.1	14.7	24.0
Singapore	871	62.5	35.1	62.5	2.2	0.2	63.0	62.0
Slovenia	617	27.4	66.2	27.4	6.4	0.0	24.1	30.5
South Africa	1800	22.0	73.2	22.0	4.4	0.3	18.5	25.4
Sweden	579	47.9	43.1	47.9	8.7	0.3	42.8	52.9
Thailand	927	24.7	63.9	24.7	10.6	0.9	22.9	26.7
Turkey	865	32.7	56.2	32.7	11.2	0.0	31.7	33.6
United Arab Emirates	2581	38.2	54.3	38.2	7.1	0.4	35.5	40.8
United States	1454	60.8	36.5	60.8	2.2	0.5	55.4	66.1
International Avg (n=39)	35965	36.6	54.1	36.6	8.8	0.5	33.5	39.6
Buenos Aires, Argentina	454	12.3	40.2	12.3	40.9	6.6	10.9	14.0
Ontario, Canada	647	48.9	43.9	48.9	6.7	0.5	44.7	53.4
Quebec, Canada	566	62.0	32.1	62.0	5.7	0.3	59.0	65.1
Norway (8)	696	32.3	53.1	32.3	13.7	0.8	29.7	34.5
Abu Dhabi, UAE	702	34.2	58.2	34.2	7.2	0.3	32.0	36.2
Dubai, UAE	874	47.8	46.5	47.8	5.3	0.4	42.5	53.6
Florida, US	304	52.7	43.6	52.7	3.1	0.6	50.3	55.1

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.

M08_09 (M062174): Geometry / Applying Type: MC Key: B
Label: Find angle x given rectangle ABCD with diagonal

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	46.6	23.0	46.6	19.3	7.7	3.1	0.3	46.7	46.6
Bahrain	692	44.7	21.9	44.7	16.0	16.3	0.7	0.5	41.3	47.9
Botswana	852	27.0	37.2	27.0	16.2	15.7	2.8	1.1	23.7	30.2
Canada	1252	51.4	24.1	51.4	15.3	5.5	2.3	1.4	52.3	50.4
Chile	670	40.6	16.5	40.6	25.3	12.8	3.6	1.1	38.4	42.8
Chinese Taipei	805	77.7	11.1	77.7	7.5	3.4	0.2	0.0	78.5	77.1
Egypt	1107	34.8	18.2	34.8	17.9	27.0	1.0	1.0	34.5	35.2
England	674	50.6	22.9	50.6	16.7	6.9	2.2	0.6	49.2	52.0
Georgia	582	48.7	12.6	48.7	17.7	15.8	3.0	2.2	43.6	52.9
Hong Kong SAR	595	78.7	9.8	78.7	8.0	3.2	0.2	0.1	78.7	78.7
Hungary	696	53.3	9.9	53.3	23.5	11.4	1.7	0.1	50.2	56.2
Iran, Islamic Rep. of	859	41.3	28.1	41.3	14.7	12.7	2.0	1.1	40.6	41.9
Ireland	674	45.8	21.2	45.8	20.1	9.8	2.7	0.4	46.5	45.0
Israel	775	52.5	14.8	52.5	18.5	10.1	2.6	1.4	50.5	54.2
Italy	649	53.0	20.1	53.0	17.1	5.9	3.3	0.6	55.8	50.3
Japan	674	76.6	8.4	76.6	13.0	1.0	0.5	0.4	73.7	79.6
Jordan	1110	30.5	20.8	30.5	20.2	26.0	2.1	0.4	30.7	30.2
Kazakhstan	696	55.3	13.3	55.3	17.6	11.4	2.1	0.3	54.7	55.9
Korea, Rep. of	749	85.7	4.1	85.7	9.3	0.7	0.2	0.0	86.3	85.2
Kuwait	614	30.1	24.2	30.1	13.6	27.7	2.4	1.9	26.5	33.9
Lebanon	545	43.5	18.4	43.5	15.5	15.3	6.1	1.1	37.7	49.9
Lithuania	613	48.8	18.7	48.8	20.9	9.8	1.3	0.5	49.2	48.4
Malaysia	1389	43.9	19.6	43.9	21.9	11.5	1.6	1.5	40.1	47.4
Malta	548	47.3	20.7	47.3	15.0	14.5	2.1	0.4	41.7	52.8
Morocco	1868	37.6	23.0	37.6	15.4	18.2	4.8	1.1	34.6	40.2
New Zealand	1188	42.9	23.9	42.9	20.8	10.0	2.3	0.1	41.4	44.5
Norway	664	43.9	22.9	43.9	22.2	5.9	4.4	0.7	45.3	42.6
Oman	1272	34.9	24.1	34.9	18.6	19.9	2.5	0.1	33.2	36.3
Qatar	770	36.6	22.5	36.6	20.5	18.5	1.0	1.0	31.4	42.0
Russian Federation	690	59.1	13.4	59.1	18.8	6.4	1.7	0.7	55.0	62.7
Saudi Arabia	533	32.8	21.2	32.8	20.4	24.1	1.3	0.1	26.3	39.6
Singapore	871	86.1	5.8	86.1	5.7	1.4	0.8	0.2	87.0	85.3
Slovenia	617	46.5	24.6	46.5	18.1	8.0	2.7	0.0	47.3	45.7
South Africa	1800	30.5	22.2	30.5	13.1	32.5	1.4	0.3	29.7	31.4
Sweden	579	41.1	22.3	41.1	23.5	7.7	5.1	0.3	39.9	42.8
Thailand	927	36.4	20.6	36.4	21.2	17.6	3.1	1.1	38.5	34.0
Turkey	866	50.1	15.3	50.1	17.0	16.1	1.5	0.0	48.3	51.8
United Arab Emirates	2581	39.5	22.1	39.5	18.0	17.3	2.7	0.4	37.4	41.5
United States	1454	38.2	36.0	38.2	15.9	7.7	1.6	0.6	37.9	38.5
International Avg (n=39)	35964	47.8	19.5	47.8	17.2	12.7	2.2	0.6	46.3	49.3
Buenos Aires, Argentina	437	26.8	17.8	26.8	13.9	13.9	20.1	7.5	25.6	28.3
Ontario, Canada	647	46.2	26.8	46.2	16.9	7.3	1.8	1.0	48.6	43.7
Quebec, Canada	565	61.6	20.7	61.6	12.5	3.1	1.8	0.3	60.0	63.4
Norway (8)	696	39.0	27.1	39.0	19.3	8.1	5.5	1.0	38.7	39.2
Abu Dhabi, UAE	702	35.3	22.1	35.3	23.0	16.6	2.7	0.3	34.2	36.3
Dubai, UAE	874	47.2	21.0	47.2	12.4	17.1	2.0	0.4	46.8	47.7
Florida, US	304	41.0	30.1	41.0	15.9	9.4	2.5	1.2	38.2	43.6

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

M08_10 (M062244): Geometry / Applying Type: CR 1 Point
Label: Find coordinates of midpoint of line AB

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	35.5	51.0	35.5	13.1	0.4	37.5	33.5
Bahrain	692	26.7	59.6	26.7	13.1	0.5	31.0	22.8
Botswana	852	8.9	82.9	8.9	6.2	2.0	8.8	9.0
Canada	1253	45.8	44.3	45.8	8.4	1.4	48.3	43.1
Chile	670	15.2	51.6	15.2	31.9	1.4	15.1	15.3
Chinese Taipei	805	59.1	32.9	59.1	8.0	0.0	58.2	60.0
Egypt	1107	14.6	69.6	14.6	14.9	1.0	18.4	10.1
England	674	52.3	37.1	52.3	9.9	0.7	52.5	52.1
Georgia	582	27.8	45.5	27.8	24.5	2.2	27.6	27.9
Hong Kong SAR	595	64.5	30.1	64.5	5.3	0.1	62.7	66.0
Hungary	696	53.7	30.8	53.7	15.1	0.4	57.9	49.7
Iran, Islamic Rep. of	859	26.3	53.9	26.3	18.4	1.5	29.4	23.4
Ireland	674	36.2	52.6	36.2	10.8	0.4	32.1	40.6
Israel	775	32.2	53.3	32.2	12.9	1.6	31.1	33.2
Italy	648	39.3	41.3	39.3	18.8	0.6	46.5	32.2
Japan	674	66.3	25.2	66.3	8.0	0.5	68.2	64.4
Jordan	1110	15.7	73.0	15.7	10.8	0.5	20.1	10.8
Kazakhstan	696	53.0	38.6	53.0	8.1	0.3	55.8	50.3
Korea, Rep. of	749	68.0	26.7	68.0	5.4	0.0	69.5	66.6
Kuwait	614	16.2	58.3	16.2	23.5	2.0	15.9	16.6
Lebanon	545	52.5	34.8	52.5	11.4	1.3	53.5	51.5
Lithuania	613	48.5	35.9	48.5	15.2	0.5	51.4	45.4
Malaysia	1389	24.5	59.3	24.5	14.5	1.7	27.5	21.7
Malta	548	38.1	50.5	38.1	11.0	0.4	43.5	32.9
Morocco	1868	26.4	54.2	26.4	18.3	1.2	25.8	26.9
New Zealand	1188	35.2	50.1	35.2	14.6	0.1	32.9	37.7
Norway	664	38.3	42.0	38.3	18.7	1.0	41.0	35.7
Oman	1271	24.6	63.6	24.6	11.6	0.2	31.5	18.5
Qatar	770	31.4	56.8	31.4	10.8	1.0	35.9	26.6
Russian Federation	690	62.5	30.1	62.5	6.7	0.7	64.0	61.2
Saudi Arabia	533	15.1	71.1	15.1	13.7	0.1	17.7	12.4
Singapore	871	61.1	34.6	61.1	4.1	0.2	63.6	58.8
Slovenia	617	59.8	33.7	59.8	6.5	0.0	62.4	57.3
South Africa	1800	5.9	85.9	5.9	7.6	0.6	5.0	6.9
Sweden	577	28.8	51.3	28.8	19.3	0.6	29.3	28.6
Thailand	927	27.2	57.0	27.2	14.5	1.4	30.8	22.9
Turkey	866	27.3	59.6	27.3	13.2	0.0	34.2	21.0
United Arab Emirates	2581	30.5	57.5	30.5	11.6	0.4	33.5	27.8
United States	1454	53.8	41.6	53.8	3.7	0.9	54.3	53.3
International Avg (n=39)	35961	37.1	49.4	37.1	12.7	0.8	39.1	35.3
Buenos Aires, Argentina	453	9.9	28.2	9.9	52.2	9.7	10.3	9.3
Ontario, Canada	647	44.3	46.4	44.3	8.3	1.0	49.1	39.0
Quebec, Canada	566	51.6	40.5	51.6	7.3	0.6	51.8	51.4
Norway (8)	696	23.3	54.3	23.3	21.4	1.0	20.8	25.5
Abu Dhabi, UAE	702	23.5	64.5	23.5	11.7	0.3	27.6	19.8
Dubai, UAE	874	42.9	46.8	42.9	9.9	0.4	43.2	42.7
Florida, US	304	40.7	53.9	40.7	4.2	1.2	42.7	38.8

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.

M08_11 (M062261): Geometry / Reasoning Type: MC Key: C
Label: Find side x with 2 similar triangles

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	15.1	7.7	45.3	15.1	28.7	2.7	0.5	14.3	16.0
Bahrain	692	29.8	9.1	24.8	29.8	34.2	1.5	0.6	26.8	32.6
Botswana	852	6.5	6.2	23.1	6.5	58.4	2.8	3.0	5.8	7.2
Canada	1252	14.6	7.9	42.3	14.6	30.1	3.0	2.2	14.4	14.8
Chile	670	12.1	8.5	37.9	12.1	35.6	4.3	1.5	14.4	9.8
Chinese Taipei	805	34.6	8.0	42.3	34.6	15.0	0.1	0.0	31.1	37.7
Egypt	1107	12.2	9.1	21.7	12.2	53.8	1.9	1.3	10.6	14.0
England	674	17.3	6.6	37.3	17.3	33.9	4.0	0.8	16.4	18.3
Georgia	582	19.3	8.1	28.8	19.3	35.5	5.6	2.7	16.3	21.8
Hong Kong SAR	595	50.7	10.2	29.8	50.7	8.2	1.0	0.1	45.2	55.3
Hungary	696	19.8	9.3	42.1	19.8	25.8	2.7	0.4	18.0	21.4
Iran, Islamic Rep. of	859	12.8	7.1	26.4	12.8	46.0	5.4	2.3	9.7	15.7
Ireland	674	10.6	4.5	37.7	10.6	42.5	4.1	0.6	9.8	11.5
Israel	775	28.9	6.8	28.1	28.9	30.7	3.6	1.9	31.2	26.9
Italy	649	16.5	8.6	46.2	16.5	22.2	6.0	0.6	15.2	17.7
Japan	674	31.5	7.3	46.1	31.5	14.2	0.4	0.5	30.7	32.2
Jordan	1110	11.4	8.3	20.6	11.4	56.0	3.0	0.6	11.2	11.6
Kazakhstan	696	33.4	6.6	27.8	33.4	29.0	2.8	0.3	35.6	31.2
Korea, Rep. of	749	74.4	4.0	16.2	74.4	5.2	0.1	0.0	75.6	73.3
Kuwait	622	12.6	9.3	33.9	12.6	38.8	3.1	2.3	9.7	15.6
Lebanon	542	11.0	3.4	26.4	11.0	45.3	12.5	1.4	10.1	12.1
Lithuania	613	11.6	3.5	42.6	11.6	37.3	4.2	0.8	9.3	13.9
Malaysia	1389	17.2	10.3	37.5	17.2	30.4	2.4	2.2	16.7	17.6
Malta	548	13.9	10.0	34.2	13.9	37.2	3.8	0.9	13.1	14.7
Morocco	1861	10.6	7.9	27.8	10.6	48.8	3.4	1.4	9.4	11.7
New Zealand	1188	14.1	7.8	38.7	14.1	36.0	3.2	0.3	13.6	14.5
Norway	664	15.3	9.1	39.7	15.3	29.3	5.1	1.6	13.6	16.9
Oman	1272	14.0	9.7	29.0	14.0	44.2	2.6	0.6	9.9	17.6
Qatar	770	11.4	7.9	35.7	11.4	41.0	2.8	1.2	12.4	10.4
Russian Federation	690	34.2	9.3	26.6	34.2	23.9	5.1	0.8	31.7	36.4
Saudi Arabia	529	15.7	11.8	29.7	15.7	42.2	0.4	0.2	16.5	15.0
Singapore	871	53.6	11.4	21.3	53.6	11.8	1.5	0.3	56.7	50.7
Slovenia	617	19.8	6.9	39.5	19.8	27.8	6.0	0.0	21.1	18.6
South Africa	1800	7.7	7.2	30.1	7.7	51.6	2.4	1.0	6.7	8.6
Sweden	578	10.7	7.3	45.8	10.7	27.6	7.2	1.5	9.2	12.0
Thailand	927	12.5	9.9	42.1	12.5	30.9	3.1	1.5	11.1	14.1
Turkey	866	23.6	8.7	35.3	23.6	31.4	0.9	0.0	22.3	24.8
United Arab Emirates	2579	17.1	9.4	28.9	17.1	41.2	2.7	0.7	15.6	18.5
United States	1454	17.9	12.9	40.8	17.9	25.6	1.8	1.0	18.4	17.5
International Avg (n=39)	35955	20.4	8.1	33.6	20.4	33.5	3.3	1.0	19.5	21.3
Buenos Aires, Argentina	436	8.0	9.2	24.6	8.0	25.4	22.5	10.3	7.3	8.9
Ontario, Canada	647	14.0	7.6	39.6	14.0	33.3	3.6	2.0	14.9	12.9
Quebec, Canada	565	17.4	9.3	46.4	17.4	23.7	2.2	1.0	13.6	21.5
Norway (8)	696	18.1	5.8	36.0	18.1	32.9	6.2	1.0	14.8	21.1
Abu Dhabi, UAE	702	13.0	11.5	32.6	13.0	40.1	1.9	0.8	10.5	15.4
Dubai, UAE	872	23.1	6.5	32.0	23.1	35.5	2.4	0.6	22.0	24.3
Florida, US	304	15.6	8.2	42.5	15.6	31.0	1.0	1.7	21.5	10.1

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

M08_12 (M062300): Geometry / Reasoning Type: CR 2 Points
Label: Draw a rectangle given area and perimeter

COUNTRY	N	20 %	10 %	11 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	30.5	8.6	11.4	39.3	50.5	30.5	9.6	0.6	34.9	26.1
Bahrain	692	9.6	5.9	8.3	56.8	23.8	9.6	18.8	0.6	10.8	8.5
Botswana	852	7.0	4.3	4.2	70.2	15.5	7.0	10.4	3.9	10.0	4.0
Canada	1253	43.6	7.1	13.2	28.3	64.0	43.6	5.4	2.4	46.0	41.2
Chile	670	12.7	5.9	2.9	42.7	21.5	12.7	34.2	1.5	12.9	12.5
Chinese Taipei	805	72.0	2.6	5.2	15.0	79.7	72.0	5.3	0.0	72.3	71.7
Egypt	1106	15.6	2.4	5.5	58.0	23.5	15.6	17.1	1.4	16.0	15.1
England	674	40.2	5.5	12.5	32.3	58.2	40.2	8.7	0.8	42.2	38.1
Georgia	582	26.0	9.2	2.6	27.3	37.8	26.0	32.0	2.9	26.3	25.8
Hong Kong SAR	595	65.6	5.0	6.7	17.8	77.4	65.6	4.7	0.1	65.8	65.4
Hungary	696	21.1	14.7	7.4	36.7	43.1	21.1	19.5	0.7	22.9	19.4
Iran, Islamic Rep. of	859	20.8	3.3	9.2	40.6	33.3	20.8	23.1	3.0	21.4	20.2
Ireland	674	34.1	8.8	10.7	37.5	53.6	34.1	8.3	0.6	36.2	31.9
Israel	775	45.5	5.5	7.7	29.9	58.7	45.5	8.8	2.6	48.8	42.5
Italy	647	36.5	9.9	9.3	26.5	55.7	36.5	16.7	1.1	37.5	35.6
Japan	674	59.6	4.5	12.5	15.3	76.7	59.6	7.4	0.5	59.8	59.4
Jordan	1110	6.3	4.6	4.5	63.9	15.4	6.3	20.1	0.6	6.1	6.5
Kazakhstan	696	41.3	8.3	3.6	30.0	53.2	41.3	16.2	0.6	40.3	42.3
Korea, Rep. of	749	73.3	3.4	9.1	11.6	85.9	73.3	2.6	0.0	74.7	72.1
Kuwait	622	9.9	3.8	4.8	49.4	18.4	9.9	29.4	2.8	9.1	10.7
Lebanon	545	10.4	8.2	1.7	35.4	20.2	10.4	41.2	3.2	7.9	13.2
Lithuania	613	36.2	7.7	6.7	30.7	50.6	36.2	17.7	1.0	37.2	35.2
Malaysia	1389	19.3	10.6	7.0	43.4	36.9	19.3	17.3	2.4	21.1	17.6
Malta	548	26.9	6.4	10.6	40.5	43.8	26.9	14.7	0.9	26.9	26.8
Morocco	1868	10.9	5.9	6.3	43.6	23.1	10.9	31.3	1.9	9.9	11.8
New Zealand	1188	28.4	7.3	8.9	41.3	44.6	28.4	13.7	0.4	28.5	28.3
Norway	664	30.7	5.3	12.3	36.6	48.2	30.7	13.5	1.7	33.7	27.7
Oman	1270	13.0	3.6	8.7	56.0	25.3	13.0	18.0	0.8	12.8	13.1
Qatar	770	17.7	6.4	7.2	47.0	31.3	17.7	20.1	1.5	19.0	16.3
Russian Federation	690	46.7	5.2	7.2	21.2	59.2	46.7	18.4	1.1	40.8	52.0
Saudi Arabia	531	5.2	4.0	4.2	58.9	13.4	5.2	27.5	0.2	5.1	5.3
Singapore	871	71.5	5.0	4.7	15.1	81.2	71.5	3.3	0.3	73.7	69.4
Slovenia	617	26.5	11.2	14.2	33.1	51.9	26.5	14.6	0.4	27.9	25.2
South Africa	1800	6.6	2.7	4.4	70.2	13.6	6.6	15.0	1.2	6.4	6.8
Sweden	578	42.9	9.6	7.9	23.5	60.4	42.9	14.3	1.8	44.9	41.4
Thailand	927	15.6	5.4	9.5	40.2	30.5	15.6	27.5	1.8	15.9	15.3
Turkey	866	26.8	9.5	8.2	43.5	44.6	26.8	11.9	0.0	31.1	23.0
United Arab Emirates	2581	23.6	4.3	8.6	47.1	36.5	23.6	15.7	0.7	24.5	22.8
United States	1454	35.6	10.9	11.5	36.7	58.0	35.6	4.1	1.2	35.2	36.0
International Avg (n=39)	35965	29.9	6.5	7.7	38.3	44.1	29.9	16.4	1.3	30.7	29.1
Buenos Aires, Argentina	454	3.9	2.3	2.3	33.4	8.6	3.9	46.3	11.7	2.8	5.3
Ontario, Canada	647	42.1	6.3	14.1	30.4	62.5	42.1	5.0	2.1	45.4	38.7
Quebec, Canada	566	51.2	9.7	9.7	22.8	70.6	51.2	5.4	1.1	51.4	50.9
Norway (8)	696	22.9	6.2	9.9	43.4	38.9	22.9	16.0	1.6	23.8	22.1
Abu Dhabi, UAE	702	16.6	4.5	8.6	53.7	29.7	16.6	15.8	0.8	17.8	15.4
Dubai, UAE	874	38.3	2.8	10.2	36.6	51.4	38.3	11.4	0.6	39.9	36.6
Florida, US	304	24.9	11.7	5.2	45.9	41.8	24.9	9.7	2.6	25.5	24.4

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.

M08_13 (M062254): Data and Chance / Reasoning Type: CR 1 Point
Label: Characteristics of test scores from dot plots

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	10.0	73.7	10.0	15.7	0.6	8.8	11.2
Bahrain	692	12.7	61.6	12.7	24.3	1.4	15.1	10.5
Botswana	853	4.4	76.2	4.4	14.6	4.7	4.2	4.7
Canada	1253	33.5	50.4	33.5	12.7	3.4	35.6	31.4
Chile	670	7.4	53.9	7.4	34.9	3.7	8.2	6.6
Chinese Taipei	805	34.8	47.1	34.8	18.0	0.0	32.5	37.0
Egypt	1106	2.6	58.8	2.6	36.7	1.9	2.8	2.5
England	674	42.8	46.5	42.8	9.4	1.3	43.7	42.0
Georgia	582	6.5	35.4	6.5	51.8	6.3	7.3	5.9
Hong Kong SAR	595	38.7	51.6	38.7	9.6	0.1	36.5	40.6
Hungary	696	14.4	56.2	14.4	28.6	0.8	12.4	16.3
Iran, Islamic Rep. of	859	8.6	51.8	8.6	34.8	4.9	8.7	8.5
Ireland	674	18.6	65.5	18.6	15.3	0.6	18.9	18.2
Israel	775	17.3	49.5	17.3	29.7	3.5	15.5	18.9
Italy	649	4.5	57.8	4.5	35.9	1.7	5.7	3.2
Japan	674	31.5	60.4	31.5	7.4	0.7	33.2	29.8
Jordan	1110	16.8	61.1	16.8	20.7	1.4	20.6	12.7
Kazakhstan	696	10.0	57.2	10.0	30.7	2.0	12.3	7.9
Korea, Rep. of	749	26.4	67.8	26.4	5.8	0.0	23.8	28.8
Kuwait	622	5.1	54.7	5.1	34.9	5.3	4.9	5.3
Lebanon	546	6.2	37.9	6.2	49.6	6.3	6.5	5.8
Lithuania	613	7.6	71.3	7.6	20.2	1.0	7.4	7.7
Malaysia	1389	10.7	55.5	10.7	29.9	3.9	11.4	9.9
Malta	548	19.4	56.8	19.4	22.4	1.5	24.1	14.9
Morocco	1864	0.6	51.6	0.6	43.9	3.8	1.2	0.1
New Zealand	1188	25.5	59.6	25.5	13.8	1.1	30.5	19.9
Norway	664	37.6	41.9	37.6	17.6	2.9	40.6	34.7
Oman	1270	9.9	64.2	9.9	23.8	2.1	14.1	6.3
Qatar	770	12.5	66.3	12.5	18.7	2.5	12.0	13.0
Russian Federation	690	13.3	38.2	13.3	45.6	2.9	13.9	12.8
Saudi Arabia	531	12.3	50.4	12.3	36.8	0.5	13.9	10.6
Singapore	871	36.2	59.2	36.2	4.3	0.3	35.5	36.8
Slovenia	617	36.3	41.9	36.3	21.0	0.8	40.3	32.6
South Africa	1800	10.3	73.4	10.3	14.5	1.8	11.8	8.9
Sweden	578	16.5	59.3	16.5	21.3	2.8	16.9	16.4
Thailand	927	15.8	48.9	15.8	33.0	2.3	17.9	13.4
Turkey	866	18.3	59.4	18.3	21.6	0.7	20.9	16.1
United Arab Emirates	2581	13.9	66.6	13.9	18.0	1.5	16.2	11.8
United States	1454	25.3	67.2	25.3	6.1	1.4	24.8	25.8
International Avg (n=39)	35965	17.3	56.6	17.3	23.9	2.2	18.2	16.4
Buenos Aires, Argentina	454	2.7	24.6	2.7	57.6	15.0	1.5	4.3
Ontario, Canada	647	37.8	47.0	37.8	12.4	2.8	42.0	33.5
Quebec, Canada	566	26.9	56.2	26.9	14.0	3.0	27.4	26.3
Norway (8)	696	27.9	43.9	27.9	25.7	2.5	33.1	23.2
Abu Dhabi, UAE	702	11.1	67.7	11.1	19.5	1.7	12.1	10.3
Dubai, UAE	874	21.0	63.8	21.0	13.6	1.6	23.8	17.9
Florida, US	304	13.3	73.2	13.3	10.9	2.6	15.5	11.2

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.

M08_14A (M062132A): Data and Chance / Knowing Type: CR 1 Point
Label: Mobile phone factory - number faulty in a batch

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	68.4	26.2	68.4	3.6	1.8	66.7	70.2
Bahrain	692	34.1	50.2	34.1	13.6	2.1	33.8	34.5
Botswana	853	24.1	63.4	24.1	5.4	7.1	25.1	23.1
Canada	1253	72.9	17.8	72.9	3.0	6.2	70.9	75.2
Chile	670	54.1	27.9	54.1	13.2	4.9	52.8	55.4
Chinese Taipei	805	86.5	11.8	86.5	1.4	0.4	85.8	87.1
Egypt	1107	22.7	51.9	22.7	22.4	3.0	23.8	21.5
England	674	74.4	21.0	74.4	2.6	2.0	73.6	75.2
Georgia	582	54.3	23.2	54.3	15.4	7.0	54.1	54.5
Hong Kong SAR	595	84.7	12.3	84.7	2.9	0.1	83.4	85.7
Hungary	696	77.8	17.8	77.8	3.6	0.8	73.4	81.9
Iran, Islamic Rep. of	859	41.9	33.7	41.9	17.0	7.4	36.1	47.3
Ireland	674	73.9	24.0	73.9	0.8	1.3	71.0	77.1
Israel	775	64.0	23.7	64.0	7.5	4.8	58.3	68.9
Italy	649	65.5	24.3	65.5	6.5	3.7	62.9	68.0
Japan	674	86.8	11.0	86.8	1.3	0.9	84.4	89.3
Jordan	1110	33.9	53.3	33.9	10.8	2.1	32.3	35.6
Kazakhstan	696	62.9	28.4	62.9	5.8	3.0	59.8	65.8
Korea, Rep. of	749	89.1	10.0	89.1	0.8	0.1	88.8	89.3
Kuwait	622	22.4	53.6	22.4	17.8	6.2	18.2	26.9
Lebanon	545	36.9	33.0	36.9	21.5	8.7	30.5	43.8
Lithuania	613	74.1	21.7	74.1	2.4	1.8	71.3	77.1
Malaysia	1389	40.4	41.6	40.4	12.1	5.9	40.6	40.1
Malta	548	64.5	28.3	64.5	4.8	2.4	64.3	64.7
Morocco	1867	26.3	46.9	26.3	21.7	5.0	24.1	28.2
New Zealand	1188	64.0	29.0	64.0	4.8	2.2	60.8	67.5
Norway	664	70.4	20.9	70.4	4.9	3.9	67.7	72.9
Oman	1270	27.0	61.8	27.0	8.5	2.8	24.9	28.8
Qatar	770	39.2	44.7	39.2	12.7	3.4	35.1	43.4
Russian Federation	690	73.3	16.9	73.3	5.2	4.7	67.2	78.7
Saudi Arabia	531	23.2	57.9	23.2	18.2	0.7	19.5	27.0
Singapore	871	88.3	10.0	88.3	0.9	0.8	90.1	86.7
Slovenia	617	69.9	24.9	69.9	3.4	1.8	61.9	77.5
South Africa	1800	22.5	68.2	22.5	5.6	3.7	23.4	21.6
Sweden	579	68.4	21.1	68.4	5.9	4.7	62.5	74.1
Thailand	927	53.6	37.1	53.6	6.2	3.1	54.6	52.5
Turkey	866	59.1	31.2	59.1	8.0	1.8	57.2	60.8
United Arab Emirates	2581	45.6	44.4	45.6	7.2	2.9	45.5	45.6
United States	1454	64.8	28.9	64.8	4.0	2.3	61.5	68.0
International Avg (n=39)	35969	56.6	32.1	56.6	8.0	3.3	54.3	58.8
Buenos Aires, Argentina	453	38.4	25.6	38.4	19.2	16.7	36.4	40.9
Ontario, Canada	647	69.6	20.5	69.6	3.6	6.3	68.6	70.8
Quebec, Canada	566	80.3	11.8	80.3	2.7	5.2	77.6	83.1
Norway (8)	696	68.7	23.3	68.7	4.3	3.7	69.4	68.1
Abu Dhabi, UAE	702	35.8	51.5	35.8	9.2	3.5	36.5	35.1
Dubai, UAE	874	60.9	30.7	60.9	5.7	2.7	57.7	64.3
Florida, US	304	53.0	37.6	53.0	6.4	3.0	54.0	52.1

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.

M08_14B (M062132B): Data and Chance / Applying Type: MC Key: B
Label: Mobile phone factory - expected vs. actual faulty

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1464	53.8	16.9	53.8	12.1	13.8	1.2	2.2	53.8	53.9
Bahrain	692	31.3	24.5	31.3	21.5	19.1	1.2	2.4	31.7	30.9
Botswana	853	23.2	31.8	23.2	14.8	17.8	3.2	9.2	25.0	21.4
Canada	1251	57.8	14.6	57.8	7.1	11.1	2.2	7.2	57.2	58.5
Chile	670	37.1	24.4	37.1	16.3	13.9	2.5	5.8	36.8	37.5
Chinese Taipei	805	76.3	8.9	76.3	3.5	10.4	0.4	0.4	79.0	73.9
Egypt	1107	27.6	23.2	27.6	27.1	17.4	1.7	3.0	26.8	28.4
England	674	58.1	18.0	58.1	7.1	13.7	0.9	2.1	61.6	54.6
Georgia	582	36.6	24.5	36.6	16.7	11.1	4.0	7.1	34.2	38.6
Hong Kong SAR	595	70.1	14.6	70.1	4.6	10.0	0.2	0.4	64.8	74.5
Hungary	696	64.8	15.6	64.8	7.9	10.0	0.7	1.0	68.2	61.5
Iran, Islamic Rep. of	859	35.3	14.3	35.3	22.9	15.6	3.7	8.2	35.4	35.2
Ireland	674	56.9	20.5	56.9	5.2	14.6	1.1	1.8	54.7	59.3
Israel	775	48.6	18.5	48.6	8.9	14.3	4.0	5.7	43.8	52.7
Italy	649	45.4	20.1	45.4	12.0	14.6	3.7	4.3	44.2	46.6
Japan	674	72.0	11.3	72.0	2.5	12.5	0.3	1.4	72.5	71.6
Jordan	1110	25.4	21.1	25.4	27.8	22.4	1.1	2.3	27.0	23.6
Kazakhstan	696	41.7	24.7	41.7	10.0	17.2	2.9	3.5	41.0	42.3
Korea, Rep. of	749	73.6	10.3	73.6	4.7	10.9	0.4	0.1	72.7	74.5
Kuwait	622	35.9	25.1	35.9	17.0	11.8	3.0	7.2	35.2	36.3
Lebanon	543	16.4	11.8	16.4	5.8	6.1	50.2	9.7	15.7	17.1
Lithuania	613	45.4	23.7	45.4	14.0	13.9	1.0	1.9	45.0	45.8
Malaysia	1389	27.0	38.5	27.0	12.3	13.6	2.4	6.4	25.5	28.4
Malta	548	45.2	26.0	45.2	9.2	15.7	1.3	2.6	48.8	41.7
Morocco	1868	26.0	23.0	26.0	20.6	20.6	4.1	5.8	23.2	28.3
New Zealand	1188	51.9	20.9	51.9	10.7	11.3	2.5	2.7	51.6	52.2
Norway	664	53.1	13.3	53.1	10.7	15.4	1.8	5.7	51.6	54.6
Oman	1272	30.5	22.0	30.5	14.6	27.3	2.8	2.8	31.9	29.1
Qatar	770	36.2	23.9	36.2	15.4	18.3	2.1	4.1	37.1	35.3
Russian Federation	690	51.0	15.7	51.0	10.0	14.4	4.0	4.9	47.5	54.1
Saudi Arabia	531	29.5	22.6	29.5	23.7	20.6	2.3	1.2	28.0	31.1
Singapore	871	65.6	18.7	65.6	4.1	10.2	0.3	1.0	67.2	64.1
Slovenia	617	47.5	19.0	47.5	12.5	15.7	2.9	2.4	49.0	46.0
South Africa	1800	27.0	34.2	27.0	18.9	13.8	1.7	4.6	27.7	26.3
Sweden	579	51.3	13.1	51.3	9.3	17.5	3.0	5.8	48.1	54.7
Thailand	927	35.8	20.3	35.8	13.4	25.0	1.9	3.5	35.1	36.6
Turkey	865	39.9	26.8	39.9	14.9	16.0	0.4	2.0	42.0	38.0
United Arab Emirates	2581	40.0	21.0	40.0	15.3	17.7	2.6	3.3	40.0	40.1
United States	1454	49.5	21.1	49.5	9.8	14.7	1.8	3.1	47.4	51.6
International Avg (n=39)	35967	44.6	20.5	44.6	12.7	15.1	3.3	3.8	44.3	44.9
Buenos Aires, Argentina	438	33.7	13.7	33.7	14.9	11.9	10.1	15.7	32.7	34.7
Ontario, Canada	647	56.3	15.6	56.3	7.6	10.2	2.8	7.6	58.4	54.2
Quebec, Canada	564	60.3	14.0	60.3	5.1	13.1	1.7	5.8	56.3	64.5
Norway (8)	696	49.3	15.4	49.3	12.0	16.8	2.3	4.3	50.0	48.7
Abu Dhabi, UAE	702	35.9	21.3	35.9	19.1	17.3	2.5	4.0	35.8	35.9
Dubai, UAE	874	45.4	22.0	45.4	10.3	16.2	3.1	3.1	46.6	44.0
Florida, US	304	44.4	27.3	44.4	9.4	14.7	0.8	3.3	44.3	44.5

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

M09_01 (M052413): Number / Knowing Type: MC Key: A
Label: Solve given numeric expression

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	66.6	66.6	23.9	2.9	5.0	1.4	0.2	71.2	61.9
Bahrain	706	61.8	61.8	22.5	5.6	9.5	0.6	0.0	67.0	57.2
Botswana	851	61.6	61.6	19.9	2.4	15.8	0.3	0.0	61.3	61.8
Canada	1247	68.5	68.5	21.7	3.3	5.6	0.4	0.5	72.2	65.0
Chile	678	47.5	47.5	36.7	6.6	6.1	2.8	0.3	50.8	44.7
Chinese Taipei	808	82.3	82.3	15.2	1.0	1.4	0.1	0.0	82.9	81.7
Egypt	1118	59.2	59.2	23.6	8.3	7.6	0.7	0.6	65.1	52.7
England	686	62.4	62.4	24.8	3.5	7.4	1.8	0.0	64.2	60.6
Georgia	581	54.8	54.8	29.7	6.2	7.4	1.9	0.0	57.1	53.0
Hong Kong SAR	590	92.0	92.0	5.8	0.7	1.2	0.3	0.0	91.8	92.3
Hungary	691	67.1	67.1	23.1	3.0	5.9	0.8	0.0	68.9	65.5
Iran, Islamic Rep. of	871	57.8	57.8	24.7	5.6	9.7	1.6	0.7	62.9	53.1
Ireland	678	81.2	81.2	13.3	1.0	3.6	0.9	0.0	83.5	78.9
Israel	790	79.5	79.5	8.9	2.9	7.1	1.4	0.2	81.8	77.4
Italy	627	62.3	62.3	26.5	3.2	6.4	1.5	0.0	64.9	60.0
Japan	670	86.9	86.9	10.1	0.9	1.8	0.3	0.0	87.5	86.2
Jordan	1122	41.2	41.2	33.0	12.6	11.7	1.4	0.2	45.0	37.2
Kazakhstan	696	75.5	75.5	16.1	1.7	6.1	0.6	0.0	77.4	73.9
Korea, Rep. of	749	79.6	79.6	18.1	0.8	1.2	0.2	0.0	81.1	78.1
Kuwait	612	52.2	52.2	26.3	8.2	9.4	2.7	1.1	61.3	43.6
Lebanon	543	54.9	54.9	17.9	8.3	8.4	9.8	0.6	57.3	51.8
Lithuania	619	69.4	69.4	24.4	1.1	4.7	0.3	0.0	74.0	64.5
Malaysia	1389	90.5	90.5	5.4	1.1	2.6	0.2	0.2	94.1	87.2
Malta	546	75.0	75.0	12.5	3.5	8.1	0.6	0.4	81.0	69.1
Morocco	1881	41.7	41.7	28.9	6.5	19.9	2.9	0.1	46.8	36.8
New Zealand	1179	58.9	58.9	29.4	2.9	6.2	2.5	0.2	61.5	56.1
Norway	657	44.5	44.5	34.3	6.1	13.4	1.5	0.2	45.8	43.5
Oman	1273	59.7	59.7	20.9	5.9	12.2	1.2	0.2	64.1	55.9
Qatar	762	39.7	39.7	27.6	7.7	23.5	1.0	0.5	40.3	39.1
Russian Federation	686	82.0	82.0	11.8	0.4	5.7	0.0	0.0	82.7	81.5
Saudi Arabia	540	35.5	35.5	35.8	8.8	19.6	0.3	0.0	36.2	34.8
Singapore	870	95.4	95.4	2.9	0.6	1.0	0.1	0.0	96.4	94.5
Slovenia	613	72.1	72.1	19.9	2.2	5.3	0.5	0.0	74.4	69.9
South Africa	1793	61.0	61.0	22.0	4.3	11.6	0.9	0.1	62.6	59.4
Sweden	585	27.2	27.2	47.0	6.5	16.5	2.5	0.2	28.5	25.9
Thailand	928	39.6	39.6	44.1	4.5	11.1	0.7	0.0	41.6	37.3
Turkey	869	44.4	44.4	34.2	9.3	10.7	1.4	0.0	46.9	42.2
United Arab Emirates	2589	75.8	75.8	13.5	3.1	5.8	1.6	0.2	79.9	71.8
United States	1463	78.2	78.2	13.8	2.5	4.6	0.8	0.1	80.3	75.9
International Avg (n=39)	36012	63.7	63.7	22.3	4.3	8.2	1.3	0.2	66.5	61.1
Buenos Aires, Argentina	449	46.1	46.1	28.0	6.8	5.1	11.1	2.9	49.1	42.6
Ontario, Canada	643	62.9	62.9	26.8	4.2	5.6	0.2	0.3	65.3	60.9
Quebec, Canada	564	82.2	82.2	9.1	1.4	5.5	0.7	1.1	86.0	78.2
Norway (8)	691	28.7	28.7	45.9	6.4	13.6	5.2	0.3	27.5	29.6
Abu Dhabi, UAE	699	76.4	76.4	13.5	3.3	6.0	0.8	0.0	83.8	69.5
Dubai, UAE	885	80.3	80.3	11.5	1.1	5.9	1.0	0.1	82.1	78.4
Florida, US	301	66.6	66.6	22.6	2.7	7.9	0.2	0.0	71.1	62.5

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

M09_02 (M052134): Number / Knowing Type: MC Key: D
Label: How much hotter is city A than B

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	79.4	3.7	4.8	10.5	79.4	1.4	0.2	77.9	80.9
Bahrain	706	56.7	9.5	10.7	22.1	56.7	1.0	0.0	54.2	58.9
Botswana	851	52.9	11.0	10.0	25.6	52.9	0.6	0.0	54.4	51.3
Canada	1248	79.6	4.4	3.1	12.2	79.6	0.2	0.5	78.0	81.0
Chile	678	59.4	8.4	9.4	20.6	59.4	2.0	0.3	51.4	66.3
Chinese Taipei	808	86.3	2.9	3.0	7.7	86.3	0.1	0.0	87.0	85.7
Egypt	1118	39.5	15.8	17.5	25.5	39.5	1.0	0.6	38.5	40.7
England	686	84.7	6.2	2.8	5.7	84.7	0.6	0.0	82.6	86.9
Georgia	581	57.5	6.8	11.2	23.4	57.5	1.1	0.0	50.1	63.2
Hong Kong SAR	590	89.1	3.2	1.2	6.1	89.1	0.3	0.0	88.0	90.1
Hungary	691	79.6	3.4	3.9	12.6	79.6	0.4	0.1	77.4	81.6
Iran, Islamic Rep. of	871	40.2	9.3	14.0	35.2	40.2	0.7	0.7	31.0	48.6
Ireland	678	83.3	2.9	2.2	11.4	83.3	0.2	0.0	81.0	85.6
Israel	790	73.5	5.7	5.0	15.0	73.5	0.7	0.2	69.7	76.9
Italy	627	66.4	4.5	8.0	19.6	66.4	1.5	0.0	60.2	71.8
Japan	670	83.2	2.0	2.7	11.5	83.2	0.6	0.0	80.9	85.5
Jordan	1122	37.2	18.7	17.2	25.8	37.2	0.9	0.2	36.4	38.0
Kazakhstan	696	57.9	8.9	13.0	19.4	57.9	0.7	0.0	54.1	61.3
Korea, Rep. of	749	81.0	2.5	2.6	13.5	81.0	0.5	0.0	79.6	82.3
Kuwait	612	38.0	15.1	13.8	30.1	38.0	1.9	1.1	38.3	37.7
Lebanon	543	28.1	43.5	5.1	18.9	28.1	3.8	0.6	29.4	26.4
Lithuania	619	73.4	2.1	6.5	17.3	73.4	0.8	0.0	69.5	77.5
Malaysia	1389	54.3	7.4	8.3	29.4	54.3	0.3	0.2	57.9	51.1
Malta	546	69.8	9.5	6.1	13.9	69.8	0.4	0.4	71.9	67.7
Morocco	1881	29.4	12.9	21.4	34.1	29.4	2.1	0.1	27.2	31.4
New Zealand	1179	73.8	6.5	4.6	13.5	73.8	1.4	0.2	72.6	75.1
Norway	657	87.6	2.6	2.2	6.6	87.6	0.7	0.2	88.4	86.9
Oman	1273	44.8	10.2	11.5	31.8	44.8	1.5	0.2	45.2	44.4
Qatar	762	46.8	13.1	13.1	25.1	46.8	1.5	0.5	40.2	53.7
Russian Federation	686	75.6	4.2	5.8	13.6	75.6	0.7	0.0	72.6	78.2
Saudi Arabia	539	30.6	12.1	23.7	33.6	30.6	0.0	0.0	28.2	33.0
Singapore	870	88.5	2.8	1.5	7.1	88.5	0.1	0.0	88.5	88.5
Slovenia	613	87.5	3.3	2.0	6.9	87.5	0.4	0.0	85.5	89.3
South Africa	1793	37.9	17.7	9.4	33.7	37.9	1.2	0.1	37.3	38.7
Sweden	585	84.2	2.2	2.4	7.3	84.2	3.7	0.2	82.7	85.9
Thailand	928	34.3	12.7	17.6	35.0	34.3	0.4	0.0	32.4	36.4
Turkey	869	51.6	11.2	11.1	25.4	51.6	0.6	0.0	45.0	57.6
United Arab Emirates	2589	60.1	8.9	6.4	22.9	60.1	1.4	0.2	59.6	60.7
United States	1463	77.1	5.7	3.1	13.1	77.1	0.8	0.1	75.7	78.5
International Avg (n=39)	36012	63.1	8.5	8.1	19.0	63.1	1.0	0.2	61.0	65.0
Buenos Aires, Argentina	449	51.4	10.4	7.5	19.3	51.4	8.5	2.9	52.2	50.4
Ontario, Canada	643	77.4	4.6	4.8	12.6	77.4	0.2	0.3	77.7	77.1
Quebec, Canada	565	83.6	3.7	0.4	10.8	83.6	0.4	1.1	81.8	85.6
Norway (8)	691	81.5	2.6	3.5	8.5	81.5	3.7	0.3	84.3	79.2
Abu Dhabi, UAE	699	57.7	8.7	6.9	25.1	57.7	1.6	0.1	60.0	55.5
Dubai, UAE	885	67.7	6.4	7.4	17.3	67.7	1.1	0.1	65.1	70.5
Florida, US	301	70.3	6.2	7.1	16.0	70.3	0.2	0.2	68.6	71.9

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

M09_03 (M052078): Number / Applying Type: MC Key: B
Label: Percentage of money John saves

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	48.4	22.9	48.4	22.5	3.1	2.9	0.2	46.0	50.9
Bahrain	706	24.8	30.9	24.8	33.9	9.1	1.3	0.0	21.4	27.8
Botswana	851	25.6	25.1	25.6	43.6	3.9	1.7	0.0	24.4	26.8
Canada	1248	43.5	18.5	43.5	33.8	3.2	0.4	0.6	41.6	45.3
Chile	678	38.1	28.6	38.1	22.9	6.4	3.8	0.3	33.5	42.0
Chinese Taipei	808	55.8	29.4	55.8	11.6	3.2	0.1	0.0	51.4	59.8
Egypt	1118	27.6	45.3	27.6	17.9	7.2	1.4	0.6	26.1	29.2
England	686	45.0	23.6	45.0	22.7	5.9	2.7	0.0	43.5	46.6
Georgia	581	33.7	40.3	33.7	18.4	3.6	4.2	0.0	24.7	40.6
Hong Kong SAR	590	63.2	9.1	63.2	24.6	2.5	0.5	0.0	61.3	64.8
Hungary	691	45.9	17.8	45.9	33.0	2.1	1.2	0.1	42.3	49.1
Iran, Islamic Rep. of	871	27.9	48.0	27.9	14.1	6.1	3.2	0.7	22.4	33.0
Ireland	678	49.4	17.9	49.4	29.0	2.9	0.8	0.0	46.5	52.3
Israel	790	40.2	21.8	40.2	29.3	6.0	2.5	0.2	35.0	45.0
Italy	627	42.4	34.3	42.4	20.1	1.7	1.5	0.0	38.4	46.0
Japan	670	53.4	14.3	53.4	28.4	3.4	0.6	0.0	49.5	57.4
Jordan	1122	22.5	52.6	22.5	15.2	7.1	2.4	0.2	19.2	26.1
Kazakhstan	696	46.1	31.4	46.1	19.4	2.3	0.8	0.0	46.7	45.5
Korea, Rep. of	749	59.7	15.1	59.7	22.8	2.3	0.1	0.0	61.8	57.6
Kuwait	612	26.6	46.0	26.6	16.8	6.3	3.1	1.1	19.9	33.0
Lebanon	543	13.9	30.7	13.9	24.6	24.2	5.9	0.6	13.9	13.9
Lithuania	619	43.9	27.9	43.9	24.3	2.6	1.3	0.0	39.2	48.8
Malaysia	1389	38.4	41.5	38.4	14.7	3.4	1.8	0.2	38.5	38.2
Malta	546	34.3	32.8	34.3	27.7	4.0	0.8	0.4	35.4	33.2
Morocco	1881	20.3	53.5	20.3	18.9	4.5	2.7	0.1	18.9	21.8
New Zealand	1179	45.0	24.6	45.0	22.8	5.7	1.7	0.2	43.3	46.9
Norway	657	47.4	10.2	47.4	33.3	7.0	1.8	0.2	45.8	48.8
Oman	1273	22.6	56.1	22.6	14.0	4.9	2.2	0.2	16.5	28.0
Qatar	762	31.8	33.6	31.8	26.6	4.9	2.6	0.5	26.6	37.2
Russian Federation	686	50.5	22.6	50.5	21.9	3.1	1.9	0.0	47.8	52.8
Saudi Arabia	540	25.1	48.2	25.1	17.8	8.6	0.3	0.0	21.0	29.3
Singapore	870	78.9	3.8	78.9	15.9	1.2	0.2	0.0	81.7	76.2
Slovenia	613	42.9	17.2	42.9	34.8	3.6	1.6	0.0	41.0	44.6
South Africa	1793	21.9	52.8	21.9	19.2	4.7	1.2	0.2	20.3	23.5
Sweden	585	44.3	14.8	44.3	32.4	6.3	2.0	0.2	42.4	46.4
Thailand	928	32.1	43.4	32.1	15.0	7.3	2.1	0.1	30.6	33.8
Turkey	869	37.1	42.9	37.1	14.6	4.9	0.6	0.0	33.2	40.6
United Arab Emirates	2589	32.8	39.7	32.8	20.3	4.5	2.5	0.3	29.8	35.8
United States	1463	40.6	28.9	40.6	26.5	3.0	0.6	0.3	36.1	45.4
International Avg (n=39)	36013	39.1	30.7	39.1	23.2	5.0	1.8	0.2	36.3	41.6
Buenos Aires, Argentina	443	27.7	31.1	27.7	19.5	7.4	10.6	3.8	26.0	29.6
Ontario, Canada	643	41.3	21.0	41.3	33.3	3.9	0.2	0.3	38.1	44.0
Quebec, Canada	565	48.4	11.5	48.4	35.9	2.1	1.0	1.1	44.4	52.6
Norway (8)	691	43.5	17.5	43.5	28.3	6.7	3.8	0.3	37.7	48.8
Abu Dhabi, UAE	699	31.5	40.7	31.5	19.7	5.1	2.7	0.2	28.8	34.1
Dubai, UAE	885	43.3	29.8	43.3	20.9	4.4	1.4	0.1	38.8	48.2
Florida, US	301	40.8	31.4	40.8	22.3	4.5	0.6	0.4	38.5	42.9

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

M09_04 (M052034): Number / Knowing Type: MC Key: C
Label: Fraction wanting to go on a trip

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	56.7	7.8	11.8	56.7	22.5	0.9	0.2	56.6	56.8
Bahrain	706	50.7	14.9	15.5	50.7	17.3	1.5	0.0	52.4	49.3
Botswana	851	38.5	11.6	15.3	38.5	31.8	2.6	0.0	43.4	33.9
Canada	1246	62.1	5.2	8.0	62.1	23.5	0.7	0.6	64.3	60.1
Chile	677	44.0	9.0	19.4	44.0	22.0	5.3	0.3	44.5	43.5
Chinese Taipei	808	69.6	5.2	6.4	69.6	18.7	0.1	0.0	70.4	68.9
Egypt	1118	37.3	10.5	15.1	37.3	35.1	1.4	0.6	37.8	36.7
England	686	54.0	9.0	14.7	54.0	21.8	0.6	0.0	52.6	55.4
Georgia	581	38.1	19.7	17.5	38.1	22.5	2.3	0.0	35.2	40.3
Hong Kong SAR	590	77.5	5.8	3.9	77.5	12.4	0.4	0.0	78.8	76.4
Hungary	691	49.6	9.5	15.9	49.6	24.0	1.0	0.1	46.3	52.5
Iran, Islamic Rep. of	871	49.3	8.6	14.3	49.3	24.0	3.1	0.8	51.7	47.0
Ireland	678	63.2	5.6	10.8	63.2	19.7	0.6	0.0	65.2	61.3
Israel	790	61.2	6.8	13.6	61.2	16.0	2.2	0.2	59.0	63.2
Italy	627	46.2	6.7	15.1	46.2	29.3	2.6	0.0	48.1	44.6
Japan	670	67.6	2.5	4.2	67.6	25.0	0.7	0.0	71.0	64.1
Jordan	1122	43.6	12.3	15.2	43.6	25.6	3.2	0.2	46.5	40.6
Kazakhstan	696	55.2	10.4	12.7	55.2	19.7	2.0	0.0	57.7	52.9
Korea, Rep. of	749	74.9	7.8	5.4	74.9	11.9	0.0	0.0	75.7	74.1
Kuwait	612	39.6	9.2	14.8	39.6	28.9	6.3	1.2	40.7	38.6
Lebanon	543	27.4	22.1	20.5	27.4	20.2	9.1	0.6	26.1	28.9
Lithuania	619	48.2	11.6	15.6	48.2	21.6	2.9	0.0	46.6	49.9
Malaysia	1389	55.5	9.5	13.2	55.5	20.7	0.8	0.3	56.8	54.3
Malta	546	56.4	9.1	8.9	56.4	23.5	1.8	0.4	59.5	53.2
Morocco	1887	36.4	13.5	20.3	36.4	24.0	5.5	0.2	38.9	34.0
New Zealand	1179	56.0	9.3	11.8	56.0	22.2	0.5	0.3	54.4	57.6
Norway	657	61.9	5.2	11.1	61.9	18.1	3.3	0.4	57.2	66.0
Oman	1273	41.6	12.6	18.5	41.6	24.0	3.2	0.2	44.1	39.3
Qatar	761	40.6	10.7	18.2	40.6	24.8	5.1	0.5	39.7	41.7
Russian Federation	686	52.4	10.4	10.5	52.4	24.7	2.2	0.0	47.5	56.5
Saudi Arabia	540	36.6	10.6	21.9	36.6	29.3	1.7	0.0	39.4	33.7
Singapore	870	88.4	1.6	4.9	88.4	5.0	0.1	0.0	90.5	86.3
Slovenia	613	60.9	6.3	6.7	60.9	24.5	1.6	0.0	58.8	62.8
South Africa	1793	35.0	11.2	16.0	35.0	35.4	2.2	0.2	34.0	36.1
Sweden	585	56.8	7.3	10.6	56.8	21.0	4.1	0.2	58.5	54.9
Thailand	928	33.0	15.8	19.2	33.0	29.0	2.8	0.2	32.9	33.1
Turkey	869	48.5	11.6	13.3	48.5	26.0	0.7	0.0	53.3	44.1
United Arab Emirates	2589	49.0	6.5	12.1	49.0	29.8	2.2	0.4	51.3	46.7
United States	1463	53.5	8.3	9.4	53.5	27.3	1.3	0.3	52.8	54.1
International Avg (n=39)	36015	51.7	9.5	13.1	51.7	23.2	2.3	0.2	52.3	51.1
Buenos Aires, Argentina	450	44.0	5.4	13.7	44.0	20.9	12.3	3.7	44.8	43.0
Ontario, Canada	641	59.1	5.4	10.4	59.1	24.6	0.2	0.3	59.0	59.1
Quebec, Canada	565	70.1	4.9	4.3	70.1	17.9	1.7	1.1	73.1	66.9
Norway (8)	691	52.9	4.6	14.6	52.9	25.0	2.6	0.3	52.5	53.4
Abu Dhabi, UAE	699	47.8	7.2	12.3	47.8	29.1	3.3	0.2	52.9	43.1
Dubai, UAE	885	56.6	6.0	10.2	56.6	26.3	0.9	0.1	58.4	54.6
Florida, US	301	47.3	10.1	13.4	47.3	27.4	1.4	0.4	48.2	46.5

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

M09_05A (M052174A): Number / Applying Type: CR 1 Point
Label: How many kilocalories used

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	52.3	43.7	52.3	3.8	0.2	49.8	54.8
Bahrain	706	21.1	69.7	21.1	9.2	0.0	16.9	24.7
Botswana	851	9.6	87.4	9.6	2.9	0.1	10.1	9.1
Canada	1251	59.2	37.6	59.2	2.3	0.9	60.1	58.4
Chile	677	40.7	49.4	40.7	9.6	0.3	37.8	43.2
Chinese Taipei	808	77.3	21.7	77.3	1.0	0.0	77.0	77.5
Egypt	1118	13.1	73.0	13.1	13.1	0.8	11.4	14.9
England	686	57.0	40.3	57.0	2.8	0.0	53.8	60.3
Georgia	581	35.8	49.3	35.8	14.5	0.4	35.2	36.2
Hong Kong SAR	590	79.4	19.2	79.4	1.4	0.0	78.6	80.1
Hungary	691	53.1	43.9	53.1	2.9	0.1	50.6	55.5
Iran, Islamic Rep. of	871	26.0	61.8	26.0	11.3	0.9	20.7	30.9
Ireland	678	60.7	37.7	60.7	1.6	0.0	58.6	62.7
Israel	790	52.6	42.0	52.6	5.1	0.2	45.9	58.7
Italy	627	45.5	47.1	45.5	7.4	0.0	45.1	45.9
Japan	670	74.4	24.2	74.4	1.5	0.0	71.8	77.0
Jordan	1122	18.9	73.1	18.9	7.9	0.2	16.0	22.1
Kazakhstan	696	41.0	52.7	41.0	6.3	0.0	36.8	44.7
Korea, Rep. of	749	81.5	17.7	81.5	0.9	0.0	80.1	82.8
Kuwait	612	11.6	73.3	11.6	14.0	1.2	9.6	13.4
Lebanon	543	24.8	52.7	24.8	21.7	0.7	22.5	27.7
Lithuania	619	57.7	39.4	57.7	3.0	0.0	52.4	63.2
Malaysia	1389	35.9	58.4	35.9	5.4	0.3	32.0	39.5
Malta	546	46.0	50.2	46.0	3.4	0.4	45.8	46.2
Morocco	1885	12.0	67.1	12.0	20.8	0.2	11.0	12.9
New Zealand	1179	48.3	46.8	48.3	4.7	0.3	47.5	49.1
Norway	657	65.1	31.6	65.1	2.9	0.4	62.7	67.1
Oman	1273	18.5	75.2	18.5	6.1	0.2	17.9	19.0
Qatar	762	25.8	66.5	25.8	6.7	1.0	26.2	25.5
Russian Federation	686	65.2	29.4	65.2	5.4	0.0	62.6	67.3
Saudi Arabia	540	10.3	79.4	10.3	10.3	0.0	10.3	10.3
Singapore	870	78.9	19.6	78.9	1.5	0.0	79.0	78.9
Slovenia	613	56.3	40.1	56.3	3.6	0.0	53.4	59.1
South Africa	1793	10.9	85.4	10.9	3.1	0.5	10.9	11.1
Sweden	585	58.2	35.2	58.2	6.3	0.4	55.7	60.9
Thailand	928	35.2	58.9	35.2	5.6	0.4	33.4	37.2
Turkey	869	37.2	58.5	37.2	4.3	0.0	34.7	39.5
United Arab Emirates	2589	30.8	62.9	30.8	5.9	0.4	30.2	31.3
United States	1463	46.6	50.6	46.6	2.5	0.3	44.3	49.1
International Avg (n=39)	36019	42.9	50.6	42.9	6.2	0.3	41.0	44.8
Buenos Aires, Argentina	461	29.5	41.2	29.5	24.6	4.7	28.0	31.3
Ontario, Canada	643	55.2	42.2	55.2	2.3	0.3	54.0	56.3
Quebec, Canada	568	69.0	26.0	69.0	2.8	2.2	70.6	67.4
Norway (8)	691	50.2	45.0	50.2	4.5	0.3	52.2	48.3
Abu Dhabi, UAE	699	25.7	67.9	25.7	6.1	0.2	28.6	23.0
Dubai, UAE	885	42.6	51.6	42.6	5.7	0.1	41.6	43.7
Florida, US	301	43.5	52.8	43.5	3.0	0.7	41.9	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.

M09_05B (M052174B): Number / Applying Type: CR 1 Point
Label: How many minutes of soccer played

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	24.9	3.2	59.5	24.9	12.1	0.2	24.4	25.5
Bahrain	706	6.6	0.8	78.5	6.6	14.1	0.1	5.7	7.4
Botswana	851	2.6	1.1	88.7	2.6	7.5	0.1	2.7	2.5
Canada	1251	30.5	3.4	56.6	30.5	8.2	1.2	30.3	30.7
Chile	677	16.2	0.2	62.1	16.2	20.9	0.7	15.0	17.2
Chinese Taipei	808	55.6	17.8	21.0	55.6	5.5	0.0	54.9	56.3
Egypt	1118	2.7	0.9	77.6	2.7	18.0	0.9	2.1	3.4
England	686	28.7	1.2	58.2	28.7	11.7	0.2	26.0	31.5
Georgia	581	13.5	3.8	46.4	13.5	35.9	0.4	11.6	15.0
Hong Kong SAR	590	46.9	9.4	39.2	46.9	4.5	0.0	44.5	48.9
Hungary	691	25.5	7.4	50.2	25.5	16.8	0.1	22.4	28.3
Iran, Islamic Rep. of	871	6.1	1.2	63.1	6.1	28.5	1.1	3.2	8.8
Ireland	678	21.3	3.4	62.6	21.3	12.8	0.0	19.9	22.6
Israel	790	29.5	6.7	47.5	29.5	15.7	0.5	23.3	35.1
Italy	627	18.7	3.0	51.3	18.7	27.0	0.0	16.0	21.0
Japan	670	58.1	13.6	22.8	58.1	5.5	0.0	56.4	59.8
Jordan	1122	4.0	2.0	78.5	4.0	15.3	0.2	3.7	4.4
Kazakhstan	696	25.6	2.5	59.1	25.6	12.8	0.0	27.1	24.3
Korea, Rep. of	749	69.5	10.2	18.2	69.5	2.1	0.0	67.4	71.5
Kuwait	612	6.8	1.2	68.9	6.8	21.7	1.4	6.4	7.2
Lebanon	543	6.0	1.5	55.9	6.0	35.4	1.3	3.4	9.3
Lithuania	619	26.2	4.3	48.4	26.2	21.2	0.0	22.2	30.3
Malaysia	1389	13.4	2.0	72.4	13.4	11.7	0.5	11.0	15.6
Malta	546	17.0	2.3	68.1	17.0	12.0	0.6	15.9	18.1
Morocco	1885	2.4	0.5	63.8	2.4	33.1	0.2	2.3	2.6
New Zealand	1179	26.2	2.3	59.5	26.2	11.5	0.5	27.2	25.2
Norway	657	37.4	0.6	47.1	37.4	14.5	0.4	31.0	42.8
Oman	1270	4.5	2.3	80.2	4.5	12.8	0.2	4.0	4.9
Qatar	762	10.9	2.2	72.9	10.9	13.0	1.1	8.2	13.6
Russian Federation	686	27.2	7.8	40.1	27.2	24.6	0.3	22.5	31.2
Saudi Arabia	540	4.3	0.6	79.7	4.3	15.3	0.0	4.8	3.9
Singapore	870	55.5	11.6	29.6	55.5	3.2	0.1	54.5	56.5
Slovenia	613	30.6	2.1	49.0	30.6	18.3	0.0	27.7	33.3
South Africa	1793	4.0	0.4	87.8	4.0	7.1	0.7	2.9	5.2
Sweden	585	28.2	1.7	49.8	28.2	19.9	0.4	28.3	28.2
Thailand	928	19.7	2.1	64.9	19.7	12.8	0.5	17.6	22.2
Turkey	869	12.1	2.8	72.7	12.1	12.4	0.0	7.8	15.9
United Arab Emirates	2588	11.3	3.2	72.8	11.3	12.1	0.5	8.7	13.9
United States	1463	28.3	3.2	65.7	28.3	2.4	0.4	25.6	31.2
International Avg (n=39)	36015	22.0	3.8	58.7	22.0	15.1	0.4	20.2	23.7
Buenos Aires, Argentina	461	8.3	0.9	38.0	8.3	46.9	5.9	7.6	9.2
Ontario, Canada	643	27.3	3.9	59.0	27.3	9.2	0.6	25.4	28.9
Quebec, Canada	568	37.7	3.4	49.7	37.7	6.7	2.5	38.8	36.6
Norway (8)	691	22.8	1.7	53.5	22.8	21.7	0.4	22.9	22.9
Abu Dhabi, UAE	699	9.0	2.8	76.8	9.0	11.0	0.4	5.4	12.5
Dubai, UAE	885	17.0	4.4	66.3	17.0	12.2	0.1	15.7	18.3
Florida, US	301	24.3	3.1	68.8	24.3	3.0	0.7	23.6	25.0

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.

M09_06 (M052130): Algebra / Knowing Type: MC Key: B
Label: Equivalent algebraic expression

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	19.9	17.8	19.9	52.1	7.4	2.5	0.3	21.7	18.0
Bahrain	706	36.1	10.1	36.1	40.9	12.1	0.5	0.2	34.6	37.5
Botswana	851	11.7	12.6	11.7	59.5	15.4	0.6	0.1	11.2	12.2
Canada	1247	24.2	17.8	24.2	44.6	10.2	1.7	1.5	25.4	23.1
Chile	677	11.4	9.4	11.4	59.2	14.7	4.5	0.8	11.4	11.4
Chinese Taipei	808	65.4	9.2	65.4	9.4	15.9	0.1	0.0	66.9	64.0
Egypt	1118	27.3	8.6	27.3	38.7	22.6	1.8	1.0	26.9	27.8
England	686	23.3	18.9	23.3	46.3	7.8	3.3	0.4	26.2	20.3
Georgia	581	32.9	16.2	32.9	29.7	18.5	2.2	0.6	32.9	32.9
Hong Kong SAR	590	64.6	13.7	64.6	6.1	15.0	0.6	0.0	69.4	60.6
Hungary	691	44.4	14.3	44.4	24.5	15.8	0.9	0.1	48.4	40.8
Iran, Islamic Rep. of	871	33.8	8.9	33.8	37.7	15.7	2.6	1.3	35.4	32.4
Ireland	678	37.6	9.7	37.6	34.7	16.1	1.8	0.1	37.3	37.9
Israel	790	49.4	15.2	49.4	21.9	11.2	1.6	0.7	48.1	50.6
Italy	627	33.8	9.3	33.8	39.1	14.6	2.5	0.6	35.2	32.6
Japan	670	73.0	3.6	73.0	10.4	12.2	0.7	0.0	73.6	72.4
Jordan	1122	25.2	8.0	25.2	47.0	17.4	2.1	0.3	28.1	22.0
Kazakhstan	696	55.3	10.4	55.3	19.3	13.8	1.1	0.0	59.0	52.1
Korea, Rep. of	749	69.4	6.0	69.4	10.1	14.3	0.1	0.0	72.7	66.4
Kuwait	612	21.0	10.8	21.0	42.5	21.2	3.1	1.5	19.2	22.7
Lebanon	543	62.6	10.1	62.6	9.1	12.4	4.3	1.5	60.4	65.4
Lithuania	619	34.5	15.9	34.5	34.4	13.9	1.3	0.0	37.1	31.7
Malaysia	1389	27.0	17.8	27.0	37.0	16.6	1.0	0.6	28.0	26.0
Malta	546	40.6	19.4	40.6	28.4	9.6	1.5	0.6	40.0	41.1
Morocco	1887	25.5	10.1	25.5	42.3	19.9	1.8	0.5	28.7	22.3
New Zealand	1179	14.6	20.2	14.6	50.7	9.9	4.1	0.5	12.8	16.5
Norway	657	24.6	12.3	24.6	35.8	21.7	5.0	0.5	26.0	23.4
Oman	1273	27.3	17.1	27.3	34.5	17.8	3.1	0.2	27.3	27.3
Qatar	762	34.6	18.2	34.6	30.5	13.5	2.1	1.2	35.7	33.4
Russian Federation	686	60.3	9.2	60.3	14.1	14.8	1.0	0.6	58.1	62.2
Saudi Arabia	540	13.6	10.5	13.6	51.3	22.6	2.0	0.0	12.3	14.8
Singapore	870	74.4	8.1	74.4	4.8	11.9	0.6	0.1	79.0	70.1
Slovenia	613	22.9	14.7	22.9	49.8	10.5	2.1	0.0	25.9	20.3
South Africa	1793	20.0	10.8	20.0	48.2	19.0	1.3	0.7	20.9	19.2
Sweden	585	22.1	13.5	22.1	33.8	24.7	5.4	0.5	24.3	19.7
Thailand	927	20.7	12.4	20.7	45.0	19.8	1.7	0.5	21.6	19.6
Turkey	869	27.7	15.2	27.7	36.7	19.5	0.9	0.0	30.1	25.5
United Arab Emirates	2589	34.2	13.3	34.2	38.3	12.6	1.0	0.6	34.0	34.4
United States	1463	35.4	21.9	35.4	32.7	8.3	1.3	0.4	38.2	32.4
International Avg (n=39)	36016	35.4	12.8	35.4	34.1	15.2	1.9	0.5	36.5	34.4
Buenos Aires, Argentina	442	13.1	15.4	13.1	40.2	12.7	12.8	5.9	15.0	10.9
Ontario, Canada	642	19.3	17.1	19.3	50.8	9.5	2.1	1.1	21.6	17.4
Quebec, Canada	565	38.2	19.9	38.2	26.2	11.7	1.4	2.6	36.4	40.0
Norway (8)	691	13.6	10.2	13.6	50.2	16.9	8.3	0.8	14.4	12.9
Abu Dhabi, UAE	699	32.3	10.9	32.3	42.9	12.5	0.9	0.4	33.9	30.8
Dubai, UAE	885	42.8	15.9	42.8	27.8	12.5	0.7	0.2	43.1	42.5
Florida, US	301	34.0	17.5	34.0	35.9	9.5	2.4	0.7	39.6	28.7

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

M09_07 (M052073): Algebra / Knowing Type: MC Key: C
Label: Value of fractional expression

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	39.3	31.8	22.5	39.3	2.5	3.6	0.3	43.4	35.0
Bahrain	706	57.1	16.6	20.0	57.1	4.6	1.4	0.2	58.9	55.5
Botswana	851	23.7	40.3	29.7	23.7	4.7	1.6	0.1	24.4	23.0
Canada	1248	36.5	34.4	23.2	36.5	2.9	1.2	1.8	37.3	35.7
Chile	677	19.8	39.5	28.7	19.8	4.6	6.2	1.2	24.7	15.5
Chinese Taipei	808	78.3	11.7	7.3	78.3	2.4	0.3	0.0	81.3	75.6
Egypt	1118	43.8	23.4	23.9	43.8	6.4	1.4	1.1	47.7	39.4
England	686	37.9	33.9	22.1	37.9	2.8	2.9	0.4	41.6	34.0
Georgia	581	39.1	27.9	27.7	39.1	3.2	1.3	0.7	38.0	39.9
Hong Kong SAR	590	80.5	10.6	5.3	80.5	2.6	1.0	0.0	82.6	78.8
Hungary	691	47.9	26.3	21.8	47.9	1.9	2.0	0.1	50.7	45.4
Iran, Islamic Rep. of	871	34.5	25.8	28.0	34.5	6.2	4.1	1.4	38.1	31.1
Ireland	678	56.9	27.4	11.2	56.9	2.7	1.2	0.7	57.6	56.1
Israel	790	50.1	24.6	17.2	50.1	4.0	3.3	0.9	52.1	48.2
Italy	627	39.5	29.6	22.0	39.5	3.9	4.6	0.6	43.9	35.5
Japan	670	76.6	14.0	6.3	76.6	2.1	1.0	0.0	77.5	75.8
Jordan	1122	31.6	32.6	28.9	31.6	4.2	2.3	0.3	34.3	28.7
Kazakhstan	696	61.9	20.3	13.8	61.9	2.4	1.3	0.3	66.1	58.2
Korea, Rep. of	749	80.3	11.0	6.9	80.3	1.8	0.0	0.0	84.3	76.5
Kuwait	612	33.2	28.9	25.6	33.2	7.8	3.0	1.5	34.8	31.6
Lebanon	541	54.7	20.6	16.2	54.7	2.6	4.1	1.8	54.4	55.1
Lithuania	619	49.1	18.8	25.9	49.1	4.3	1.8	0.0	51.1	47.0
Malaysia	1389	47.5	22.5	22.4	47.5	5.0	1.7	0.9	52.8	42.6
Malta	546	53.1	27.3	13.3	53.1	3.5	2.2	0.6	54.2	52.1
Morocco	1887	20.6	43.0	27.2	20.6	5.1	3.5	0.6	22.4	19.0
New Zealand	1179	31.8	35.2	26.0	31.8	2.4	4.0	0.6	32.3	31.3
Norway	657	33.6	27.4	30.3	33.6	4.2	3.9	0.5	32.5	34.5
Oman	1273	33.1	29.3	29.6	33.1	5.6	2.3	0.2	39.7	27.3
Qatar	762	35.7	25.9	25.0	35.7	9.2	3.0	1.2	35.6	35.8
Russian Federation	686	68.1	13.2	13.9	68.1	3.1	1.1	0.6	68.2	68.0
Saudi Arabia	540	23.3	32.2	34.4	23.3	9.1	1.0	0.0	19.4	27.2
Singapore	870	87.4	8.1	3.1	87.4	0.8	0.4	0.1	90.1	84.8
Slovenia	613	49.5	28.8	16.1	49.5	3.1	2.5	0.0	51.6	47.6
South Africa	1793	28.1	35.6	29.6	28.1	4.3	1.6	0.8	30.0	26.1
Sweden	585	34.7	37.1	17.5	34.7	2.8	6.7	1.1	35.9	33.4
Thailand	928	24.9	33.1	35.3	24.9	3.9	2.1	0.6	27.9	21.5
Turkey	869	34.1	31.3	25.6	34.1	7.1	1.9	0.0	35.6	32.7
United Arab Emirates	2589	49.1	25.7	17.7	49.1	4.9	2.0	0.6	51.7	46.6
United States	1463	58.5	18.4	15.5	58.5	5.7	1.2	0.8	58.6	58.3
International Avg (n=39)	36016	45.8	26.3	20.9	45.8	4.1	2.3	0.6	47.8	43.9
Buenos Aires, Argentina	438	11.3	26.1	27.0	11.3	3.0	26.3	6.3	11.0	11.6
Ontario, Canada	643	29.2	40.4	24.4	29.2	3.6	0.9	1.5	29.6	28.9
Quebec, Canada	565	52.2	22.8	18.4	52.2	1.6	2.1	2.9	53.3	51.1
Norway (8)	691	20.7	30.4	37.4	20.7	2.5	8.2	0.8	20.7	20.5
Abu Dhabi, UAE	699	47.1	25.7	19.0	47.1	6.2	1.5	0.4	55.0	39.8
Dubai, UAE	885	54.6	25.7	16.2	54.6	2.1	1.2	0.2	55.5	53.5
Florida, US	301	42.9	18.2	26.1	42.9	9.8	1.8	1.2	44.2	41.7

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

M09_08 (M052110): Algebra / Knowing Type: CR 1 Point
Label: Convert Celsius into Fahrenheit

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	30.7	54.3	30.7	14.7	0.3	33.2	28.1
Bahrain	706	16.3	65.1	16.3	18.2	0.4	17.1	15.7
Botswana	851	11.9	84.0	11.9	3.9	0.1	15.0	9.0
Canada	1251	37.5	50.9	37.5	9.8	1.8	36.3	38.6
Chile	677	6.2	51.9	6.2	40.4	1.4	7.6	4.9
Chinese Taipei	808	72.7	20.0	72.7	7.3	0.0	75.2	70.4
Egypt	1118	13.2	67.4	13.2	18.3	1.1	13.3	13.1
England	686	28.3	52.1	28.3	19.0	0.6	28.3	28.2
Georgia	581	24.4	39.9	24.4	35.0	0.7	27.9	21.7
Hong Kong SAR	590	69.2	26.3	69.2	4.4	0.0	71.7	67.2
Hungary	691	25.9	49.7	25.9	24.2	0.2	27.9	24.0
Iran, Islamic Rep. of	871	14.0	53.0	14.0	31.6	1.4	14.9	13.1
Ireland	678	28.2	57.9	28.2	13.2	0.7	31.1	25.4
Israel	790	32.9	40.1	32.9	25.9	1.1	31.2	34.4
Italy	627	25.4	41.0	25.4	32.9	0.7	26.6	24.3
Japan	670	56.6	30.4	56.6	12.9	0.0	59.3	53.9
Jordan	1122	16.4	66.1	16.4	16.9	0.6	20.9	11.5
Kazakhstan	696	51.0	36.2	51.0	12.6	0.3	55.9	46.6
Korea, Rep. of	749	71.9	23.6	71.9	4.5	0.0	76.8	67.2
Kuwait	612	8.4	65.8	8.4	24.1	1.7	7.3	9.5
Lebanon	543	24.5	36.9	24.5	36.3	2.2	22.9	26.5
Lithuania	619	35.6	41.5	35.6	22.9	0.0	38.3	32.7
Malaysia	1389	20.0	65.7	20.0	13.3	1.0	23.4	16.9
Malta	546	36.3	46.8	36.3	16.2	0.8	41.7	30.9
Morocco	1884	4.9	61.5	4.9	32.9	0.6	6.0	3.9
New Zealand	1179	25.4	55.7	25.4	18.3	0.6	26.7	24.0
Norway	657	18.1	54.4	18.1	27.0	0.5	20.2	16.4
Oman	1272	25.2	64.4	25.2	10.2	0.2	30.1	20.9
Qatar	762	32.7	52.2	32.7	13.7	1.3	31.0	34.5
Russian Federation	686	51.7	31.0	51.7	16.7	0.6	51.0	52.2
Saudi Arabia	541	9.5	73.6	9.5	16.8	0.0	7.7	11.5
Singapore	870	70.9	26.2	70.9	2.8	0.1	72.7	69.2
Slovenia	613	15.5	57.3	15.5	27.2	0.0	16.9	14.2
South Africa	1793	9.6	84.5	9.6	4.8	1.1	9.9	9.3
Sweden	585	15.4	56.7	15.4	26.2	1.6	16.2	14.6
Thailand	928	14.3	69.1	14.3	16.0	0.6	16.8	11.5
Turkey	869	12.6	70.2	12.6	17.2	0.0	14.0	11.3
United Arab Emirates	2588	37.0	53.8	37.0	8.6	0.6	40.1	34.1
United States	1463	52.3	42.2	52.3	4.7	0.8	53.0	51.7
International Avg (n=39)	36017	29.6	51.8	29.6	18.0	0.7	31.2	28.0
Buenos Aires, Argentina	461	5.4	27.2	5.4	59.8	7.7	4.2	6.7
Ontario, Canada	643	33.7	54.5	33.7	10.2	1.5	34.7	33.0
Quebec, Canada	568	43.2	45.0	43.2	9.0	2.8	39.6	46.7
Norway (8)	691	6.8	56.5	6.8	36.0	0.8	7.4	6.3
Abu Dhabi, UAE	698	29.6	61.1	29.6	8.8	0.4	35.5	24.1
Dubai, UAE	885	49.3	41.8	49.3	8.6	0.2	49.7	49.0
Florida, US	301	42.7	52.7	42.7	3.4	1.2	51.6	34.4

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.

M09_09 (M052105): Algebra / Applying Type: CR 1 Point
Label: Which slope has a greater value

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	16.5	72.7	16.5	10.2	0.6	17.2	15.6
Bahrain	706	7.4	78.1	7.4	14.1	0.4	7.9	6.9
Botswana	851	0.4	92.4	0.4	7.0	0.1	0.3	0.5
Canada	1251	8.9	76.7	8.9	12.2	2.2	8.3	9.4
Chile	678	1.4	71.7	1.4	25.3	1.7	1.1	1.6
Chinese Taipei	808	33.5	59.4	33.5	7.1	0.0	35.2	32.0
Egypt	1118	2.3	82.3	2.3	14.0	1.4	2.3	2.3
England	686	28.7	58.4	28.7	12.3	0.6	28.7	28.7
Georgia	581	2.0	73.6	2.0	23.3	1.2	1.5	2.3
Hong Kong SAR	590	13.6	83.2	13.6	3.2	0.0	14.0	13.3
Hungary	691	16.5	75.9	16.5	6.9	0.7	16.1	16.8
Iran, Islamic Rep. of	871	1.0	76.8	1.0	20.6	1.6	1.0	0.9
Ireland	678	15.1	73.5	15.1	10.6	0.8	13.4	16.8
Israel	790	26.1	63.9	26.1	8.7	1.3	24.2	27.8
Italy	625	1.5	75.0	1.5	22.4	1.1	2.3	0.9
Japan	670	56.2	41.7	56.2	2.1	0.0	55.6	56.8
Jordan	1122	3.5	84.1	3.5	11.5	0.9	4.1	2.8
Kazakhstan	696	30.7	57.4	30.7	11.7	0.3	32.8	28.9
Korea, Rep. of	749	45.6	50.3	45.6	4.1	0.0	46.8	44.5
Kuwait	606	3.7	78.6	3.7	15.5	2.2	3.2	4.2
Lebanon	543	3.2	64.8	3.2	29.1	3.0	2.4	4.1
Lithuania	619	4.9	81.5	4.9	13.5	0.0	3.7	6.1
Malaysia	1389	5.5	81.6	5.5	11.8	1.1	5.4	5.5
Malta	546	18.2	69.2	18.2	11.6	1.0	22.7	13.7
Morocco	1887	0.8	79.7	0.8	18.6	1.0	0.4	1.1
New Zealand	1179	11.2	78.1	11.2	9.9	0.8	10.3	12.2
Norway	657	21.9	67.0	21.9	10.2	0.9	23.1	20.9
Oman	1273	2.3	86.4	2.3	11.0	0.3	3.6	1.2
Qatar	762	6.2	78.4	6.2	13.5	1.8	6.7	5.7
Russian Federation	686	10.3	69.1	10.3	19.6	1.0	6.8	13.3
Saudi Arabia	542	3.5	81.9	3.5	14.4	0.3	3.8	3.1
Singapore	870	38.2	57.9	38.2	3.8	0.1	40.9	35.6
Slovenia	613	13.7	80.6	13.7	5.5	0.2	14.2	13.3
South Africa	1793	2.9	91.6	2.9	4.5	1.1	2.8	2.9
Sweden	585	12.3	73.4	12.3	11.8	2.5	11.6	13.0
Thailand	927	1.9	84.1	1.9	13.2	0.7	2.6	1.2
Turkey	868	9.7	76.7	9.7	13.6	0.0	11.8	7.8
United Arab Emirates	2589	7.8	79.6	7.8	11.8	0.8	6.6	8.9
United States	1463	30.6	64.0	30.6	4.6	0.8	29.5	31.8
International Avg (n=39)	36014	13.3	73.6	13.3	12.2	0.9	13.5	13.2
Buenos Aires, Argentina	461	2.1	44.9	2.1	44.9	8.1	1.1	3.3
Ontario, Canada	643	10.6	74.4	10.6	13.0	2.0	10.3	10.9
Quebec, Canada	568	7.4	79.2	7.4	10.3	3.1	6.7	8.1
Norway (8)	691	11.2	76.1	11.2	10.9	1.8	12.4	10.2
Abu Dhabi, UAE	699	5.6	81.9	5.6	11.7	0.7	3.2	7.9
Dubai, UAE	885	13.9	73.6	13.9	12.0	0.5	13.5	14.4
Florida, US	301	18.0	75.2	18.0	5.7	1.2	16.2	19.6

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.

M09_10 (M052407): Geometry / Applying Type: MC Key: A
Label: What is the value of angle a

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	56.0	56.0	9.2	13.1	18.9	2.1	0.8	56.3	55.6
Bahrain	706	58.3	58.3	9.3	11.6	18.6	1.7	0.5	59.7	57.1
Botswana	850	61.5	61.5	3.2	11.4	22.3	1.1	0.5	61.7	61.2
Canada	1248	68.1	68.1	6.4	7.2	15.2	0.7	2.3	65.5	70.5
Chile	674	48.4	48.4	8.1	14.0	24.5	3.6	1.5	45.5	50.9
Chinese Taipei	808	84.7	84.7	2.4	2.4	10.2	0.2	0.0	86.8	82.9
Egypt	1118	48.3	48.3	6.1	6.9	36.0	1.3	1.5	51.3	45.0
England	686	62.0	62.0	5.9	6.1	24.2	1.2	0.6	62.8	61.0
Georgia	581	64.4	64.4	2.3	5.5	24.9	1.7	1.2	59.5	68.2
Hong Kong SAR	590	81.5	81.5	1.8	1.3	14.7	0.6	0.0	82.4	80.9
Hungary	691	70.1	70.1	6.1	9.0	13.8	0.2	0.7	68.8	71.3
Iran, Islamic Rep. of	871	72.8	72.8	3.4	5.3	16.1	0.8	1.6	76.9	69.0
Ireland	678	64.4	64.4	3.5	6.0	25.2	0.1	0.8	62.3	66.5
Israel	790	57.7	57.7	4.2	5.6	29.5	1.3	1.6	55.1	60.1
Italy	627	59.9	59.9	9.2	10.4	13.8	5.6	1.1	57.9	61.6
Japan	670	91.8	91.8	1.2	1.1	5.6	0.2	0.0	92.7	90.8
Jordan	1122	52.2	52.2	3.6	9.0	32.9	1.3	0.9	53.3	51.1
Kazakhstan	696	72.5	72.5	3.3	6.5	16.9	0.5	0.3	70.1	74.6
Korea, Rep. of	749	93.6	93.6	1.2	0.9	4.0	0.2	0.0	94.8	92.5
Kuwait	612	39.9	39.9	5.5	4.8	45.4	2.1	2.4	40.9	38.9
Lebanon	543	47.5	47.5	1.0	1.7	43.5	3.0	3.3	48.1	46.7
Lithuania	619	69.5	69.5	3.4	7.5	18.6	0.7	0.2	71.6	67.3
Malaysia	1389	52.8	52.8	4.8	13.1	26.9	0.8	1.7	52.7	53.0
Malta	546	48.6	48.6	3.7	6.0	39.4	1.4	1.0	45.5	51.6
Morocco	1884	51.5	51.5	4.8	10.7	29.1	2.8	1.0	48.9	54.1
New Zealand	1179	51.3	51.3	8.1	9.5	28.2	2.2	0.8	47.4	55.3
Norway	657	71.2	71.2	5.7	10.0	10.0	1.8	1.2	71.8	70.7
Oman	1273	52.3	52.3	5.0	9.1	32.4	0.8	0.3	53.0	51.7
Qatar	762	49.0	49.0	7.0	9.3	31.8	0.9	2.0	50.0	48.0
Russian Federation	686	70.0	70.0	2.7	7.2	17.8	1.2	1.0	70.9	69.2
Saudi Arabia	542	42.9	42.9	6.9	17.4	31.4	1.1	0.3	39.7	46.3
Singapore	870	85.5	85.5	0.6	0.7	13.0	0.2	0.1	86.9	84.0
Slovenia	613	76.0	76.0	3.5	3.4	16.1	0.4	0.6	72.8	79.0
South Africa	1793	44.7	44.7	2.2	13.5	37.4	1.0	1.2	45.2	44.2
Sweden	585	57.5	57.5	10.1	15.7	9.7	4.0	3.0	56.7	58.4
Thailand	927	53.6	53.6	4.5	16.4	24.1	0.4	1.0	55.9	50.9
Turkey	869	52.1	52.1	4.0	9.5	33.1	1.1	0.2	51.1	53.0
United Arab Emirates	2589	53.8	53.8	4.2	7.9	31.8	1.4	0.8	54.0	53.7
United States	1463	65.4	65.4	6.9	8.6	17.0	1.1	1.1	63.9	66.9
International Avg (n=39)	36012	61.6	61.6	4.7	8.1	23.2	1.4	1.0	61.3	61.9
Buenos Aires, Argentina	447	45.7	45.7	7.4	13.4	17.6	9.4	6.6	44.6	47.1
Ontario, Canada	643	67.0	67.0	7.0	6.9	16.0	1.0	2.1	65.7	68.0
Quebec, Canada	565	77.5	77.5	3.0	3.5	12.5	0.1	3.4	74.0	81.2
Norway (8)	691	67.7	67.7	8.7	7.5	11.8	2.5	1.8	69.0	66.3
Abu Dhabi, UAE	699	52.6	52.6	5.2	9.4	29.9	2.2	0.7	55.7	49.6
Dubai, UAE	885	58.4	58.4	3.0	4.8	32.3	1.0	0.5	55.5	61.6
Florida, US	301	54.4	54.4	10.0	14.5	18.7	1.1	1.2	56.5	52.5

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

M09_11 (M052036): Geometry / Applying Type: CR 1 Point
Label: Draw an angle ABC of 135 degrees

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	37.9	48.0	37.9	13.3	0.8	38.7	37.1
Bahrain	706	29.5	51.6	29.5	18.4	0.5	29.6	29.4
Botswana	851	24.2	65.7	24.2	9.1	1.1	22.3	25.9
Canada	1251	48.8	38.4	48.8	10.4	2.4	48.1	49.5
Chile	674	31.3	34.6	31.3	32.7	1.5	31.8	30.8
Chinese Taipei	808	71.0	17.1	71.0	11.9	0.0	72.2	69.9
Egypt	1118	29.9	51.7	29.9	16.8	1.6	29.1	30.9
England	686	41.7	43.7	41.7	13.8	0.8	38.1	45.5
Georgia	581	36.4	31.1	36.4	30.9	1.6	28.9	42.3
Hong Kong SAR	590	58.0	37.8	58.0	4.2	0.0	59.4	56.8
Hungary	691	35.0	40.5	35.0	23.8	0.7	31.8	37.9
Iran, Islamic Rep. of	871	29.7	46.0	29.7	22.3	2.0	32.6	27.0
Ireland	678	40.2	46.8	40.2	12.2	0.8	41.3	39.1
Israel	790	43.5	38.0	43.5	16.7	1.8	38.5	48.1
Italy	627	40.5	41.9	40.5	16.4	1.1	41.8	39.3
Japan	670	64.8	25.9	64.8	9.3	0.0	64.2	65.5
Jordan	1122	36.2	51.3	36.2	11.7	0.9	40.3	31.7
Kazakhstan	696	50.8	37.8	50.8	11.2	0.3	52.1	49.6
Korea, Rep. of	749	72.9	23.6	72.9	3.5	0.0	73.6	72.1
Kuwait	612	31.4	42.1	31.4	23.8	2.7	32.3	30.6
Lebanon	542	53.0	29.5	53.0	14.2	3.3	51.2	55.2
Lithuania	619	45.9	40.1	45.9	13.8	0.2	48.0	43.7
Malaysia	1389	31.0	47.6	31.0	19.5	1.9	28.2	33.5
Malta	546	40.9	45.2	40.9	12.9	1.0	39.0	42.8
Morocco	1884	24.4	56.5	24.4	17.8	1.2	21.9	26.9
New Zealand	1179	34.4	49.6	34.4	15.3	0.8	33.6	35.2
Norway	657	34.3	44.1	34.3	20.4	1.2	35.3	33.5
Oman	1273	41.6	44.8	41.6	13.3	0.3	44.2	39.3
Qatar	762	29.5	53.2	29.5	15.2	2.0	32.3	26.7
Russian Federation	686	48.9	38.5	48.9	11.6	1.0	46.2	51.2
Saudi Arabia	542	18.3	55.2	18.3	26.3	0.3	14.9	21.7
Singapore	870	67.9	26.4	67.9	5.6	0.1	67.0	68.8
Slovenia	613	48.6	35.7	48.6	15.1	0.6	50.3	47.1
South Africa	1793	15.6	70.3	15.6	12.9	1.2	14.0	17.4
Sweden	585	29.7	46.6	29.7	20.1	3.5	30.7	28.7
Thailand	927	26.5	48.5	26.5	23.7	1.3	28.8	23.9
Turkey	869	32.5	52.7	32.5	14.4	0.3	33.7	31.5
United Arab Emirates	2589	38.3	47.2	38.3	13.7	0.9	41.2	35.5
United States	1463	37.9	55.5	37.9	5.3	1.3	37.6	38.2
International Avg (n=39)	36015	39.8	43.6	39.8	15.5	1.1	39.6	40.0
Buenos Aires, Argentina	461	22.2	22.2	22.2	46.4	9.2	21.3	23.4
Ontario, Canada	643	49.3	40.5	49.3	8.0	2.2	51.8	47.3
Quebec, Canada	568	50.7	33.1	50.7	12.9	3.3	45.6	55.9
Norway (8)	691	33.4	44.4	33.4	20.4	1.8	37.2	29.8
Abu Dhabi, UAE	699	32.5	54.0	32.5	12.8	0.7	36.6	28.6
Dubai, UAE	885	49.0	38.3	49.0	12.1	0.6	48.2	49.8
Florida, US	301	31.5	60.3	31.5	6.6	1.6	32.2	30.8

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.

M09_12 (M052502): Data and Chance / Applying Type: CR 1 Point
Label: Store with lowest price per pair

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	64.1	27.3	64.1	7.0	1.6	68.1	59.9
Bahrain	706	32.5	54.3	32.5	12.2	1.0	36.3	29.2
Botswana	851	39.7	55.2	39.7	3.6	1.4	50.6	29.2
Canada	1251	76.1	16.6	76.1	4.1	3.1	77.5	74.8
Chile	674	32.5	45.9	32.5	18.8	2.8	30.1	34.6
Chinese Taipei	808	85.4	13.0	85.4	1.6	0.0	87.7	83.3
Egypt	1118	18.7	66.8	18.7	12.5	1.9	19.4	17.9
England	686	69.5	26.3	69.5	3.2	0.9	73.3	65.6
Georgia	581	51.6	27.1	51.6	18.7	2.7	53.8	49.9
Hong Kong SAR	590	86.6	11.4	86.6	2.1	0.0	87.1	86.1
Hungary	691	70.8	23.6	70.8	4.7	0.9	72.8	69.0
Iran, Islamic Rep. of	871	35.1	43.8	35.1	17.5	3.6	32.7	37.3
Ireland	678	76.7	19.6	76.7	2.7	1.0	79.9	73.5
Israel	790	63.9	26.3	63.9	6.4	3.4	62.5	65.1
Italy	627	68.9	25.3	68.9	4.5	1.3	74.8	63.8
Japan	670	80.0	16.2	80.0	3.8	0.0	82.3	77.8
Jordan	1122	23.8	64.6	23.8	9.9	1.7	22.0	25.7
Kazakhstan	696	69.6	23.7	69.6	6.4	0.3	71.5	68.0
Korea, Rep. of	749	84.7	13.2	84.7	2.1	0.0	87.5	82.1
Kuwait	611	24.5	56.2	24.5	16.5	2.8	24.3	24.6
Lebanon	543	48.0	20.7	48.0	27.2	4.0	50.8	44.6
Lithuania	619	81.4	15.8	81.4	2.4	0.3	83.4	79.4
Malaysia	1389	68.4	23.0	68.4	6.2	2.4	72.0	65.1
Malta	546	64.5	27.4	64.5	6.8	1.3	68.6	60.5
Morocco	1887	27.0	55.6	27.0	15.8	1.7	29.4	24.6
New Zealand	1179	63.3	31.0	63.3	4.9	0.8	63.8	62.8
Norway	657	73.7	17.3	73.7	6.5	2.5	76.9	71.0
Oman	1272	29.5	61.6	29.5	7.8	1.1	33.9	25.7
Qatar	762	43.6	46.2	43.6	8.0	2.2	46.0	41.2
Russian Federation	686	73.2	18.4	73.2	6.7	1.7	70.3	75.6
Saudi Arabia	542	3.5	76.7	3.5	19.2	0.6	2.9	4.1
Singapore	870	90.0	8.2	90.0	1.7	0.1	92.4	87.7
Slovenia	613	76.7	19.2	76.7	3.4	0.7	77.6	75.9
South Africa	1793	30.7	64.2	30.7	3.4	1.8	32.8	28.5
Sweden	585	69.3	20.7	69.3	6.0	3.9	70.1	68.5
Thailand	927	44.0	45.1	44.0	9.3	1.6	49.5	37.7
Turkey	869	49.9	43.0	49.9	6.5	0.5	50.8	49.0
United Arab Emirates	2589	51.0	40.3	51.0	7.1	1.6	54.5	47.6
United States	1463	69.5	25.4	69.5	3.7	1.4	72.4	66.4
International Avg (n=39)	36017	56.7	33.8	56.7	8.0	1.6	58.8	54.7
Buenos Aires, Argentina	461	33.9	24.0	33.9	28.7	13.4	30.5	38.0
Ontario, Canada	643	71.1	20.7	71.1	5.2	3.0	73.6	69.0
Quebec, Canada	568	84.4	8.6	84.4	2.9	4.1	82.9	85.9
Norway (8)	691	62.4	27.6	62.4	8.1	1.9	65.9	59.2
Abu Dhabi, UAE	699	44.4	47.4	44.4	6.6	1.6	51.5	37.8
Dubai, UAE	885	66.0	25.9	66.0	6.6	1.6	65.8	66.2
Florida, US	301	59.8	33.9	59.8	4.4	1.9	65.7	54.3

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.

M09_13 (M052117): Data and Chance / Applying Type: CR 1 Point
Label: Is Jesse's bar graph correct

COUNTRY	N	10 %	11 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	19.2	0.9	58.3	19.3	20.2	0.5	1.8	22.8	17.5
Bahrain	706	8.2	1.2	69.4	18.3	9.4	1.9	1.0	11.0	8.0
Botswana	851	2.7	0.9	61.8	30.4	3.6	2.2	1.9	4.3	2.9
Canada	1251	28.3	4.7	43.9	18.3	33.0	1.2	3.5	34.4	31.8
Chile	674	8.0	1.8	61.2	21.6	9.9	4.5	3.0	10.5	9.3
Chinese Taipei	808	17.9	6.3	54.6	21.2	24.2	0.0	0.0	25.3	23.2
Egypt	1118	1.5	0.3	4.7	89.8	1.7	1.8	2.0	1.6	1.9
England	686	30.8	1.7	43.7	21.4	32.5	1.4	1.0	35.6	29.3
Georgia	581	2.4	1.1	78.5	13.3	3.4	1.3	3.4	5.1	2.1
Hong Kong SAR	590	23.0	1.3	23.5	52.0	24.3	0.2	0.0	25.6	23.3
Hungary	691	9.2	1.0	69.7	17.8	10.2	1.3	1.0	10.8	9.8
Iran, Islamic Rep. of	871	8.0	3.1	40.9	41.0	11.0	2.6	4.4	12.2	10.0
Ireland	678	19.5	1.3	53.7	23.6	20.8	0.9	1.0	23.1	18.7
Israel	790	9.4	0.9	59.2	24.8	10.2	1.9	3.9	8.0	12.3
Italy	627	11.8	1.8	69.1	13.9	13.6	2.0	1.4	17.2	10.4
Japan	670	15.6	1.6	46.7	34.5	17.2	1.4	0.1	18.3	16.2
Jordan	1122	3.8	0.0	68.5	23.6	3.8	1.6	2.5	4.6	2.9
Kazakhstan	696	30.2	0.6	31.0	33.3	30.8	3.8	1.1	32.9	29.0
Korea, Rep. of	749	13.0	0.2	68.2	18.4	13.2	0.2	0.0	11.5	14.9
Kuwait	612	10.8	0.1	20.9	61.8	11.0	3.6	2.8	13.3	8.7
Lebanon	543	10.1	0.7	5.9	73.2	10.8	5.1	5.0	10.0	11.8
Lithuania	619	15.2	0.2	61.8	21.1	15.4	1.4	0.3	18.5	12.0
Malaysia	1389	9.1	1.2	47.4	36.3	10.3	3.1	3.0	10.9	9.7
Malta	546	13.1	0.9	59.3	24.5	14.0	0.5	1.7	16.2	11.8
Morocco	1886	3.9	1.3	64.1	26.0	5.2	2.7	2.0	6.3	4.2
New Zealand	1179	25.4	0.2	45.6	26.7	25.6	1.0	1.1	26.6	24.5
Norway	657	17.5	0.9	46.2	31.6	18.4	0.7	3.1	19.1	17.9
Oman	1270	6.0	1.8	59.5	30.2	7.8	1.2	1.3	9.9	5.9
Qatar	762	9.6	0.4	64.3	22.3	10.0	1.2	2.3	10.7	9.2
Russian Federation	686	3.9	0.8	66.1	24.6	4.7	2.5	2.1	2.9	6.2
Saudi Arabia	542	23.9	0.2	55.8	17.5	24.1	1.9	0.7	29.3	18.7
Singapore	870	22.4	1.4	51.2	24.7	23.8	0.1	0.1	22.5	25.1
Slovenia	613	17.6	0.8	51.1	27.6	18.4	2.0	0.8	21.2	15.9
South Africa	1793	2.3	0.2	15.7	77.9	2.6	1.6	2.2	2.5	2.6
Sweden	584	15.9	2.0	42.3	33.7	17.9	1.1	4.9	20.3	15.3
Thailand	927	6.9	0.0	68.4	18.6	6.9	4.5	1.6	6.9	6.8
Turkey	869	1.9	0.6	82.4	13.5	2.5	1.1	0.5	3.0	2.0
United Arab Emirates	2589	15.6	2.5	60.0	19.1	18.1	1.2	1.7	22.0	14.3
United States	1463	11.9	1.4	69.9	14.3	13.3	0.9	1.7	14.8	11.6
International Avg (n=39)	36014	13.0	1.2	52.4	29.8	14.2	1.7	1.8	15.4	13.0
Buenos Aires, Argentina	461	6.8	1.5	23.7	48.9	8.3	5.6	13.5	7.3	9.4
Ontario, Canada	643	25.9	4.4	48.9	16.4	30.3	1.0	3.5	33.5	27.6
Quebec, Canada	568	34.1	4.8	33.8	21.0	38.9	1.7	4.5	39.0	38.8
Norway (8)	691	14.9	1.1	53.5	26.8	16.1	1.6	2.0	18.8	13.4
Abu Dhabi, UAE	699	13.4	1.8	65.7	15.9	15.2	1.6	1.6	19.5	11.2
Dubai, UAE	885	20.3	3.5	49.1	24.5	23.9	1.0	1.6	26.9	20.5
Florida, US	301	8.7	1.1	75.8	11.5	9.7	1.0	1.9	11.7	7.9

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.

M09_14 (M052426): Data and Chance / Knowing Type: MC Key: D
Label: Number of goals of 4 soccer teams

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1456	78.8	4.0	4.1	10.0	78.8	1.3	1.8	82.3	75.2
Bahrain	706	76.9	5.7	4.2	10.9	76.9	1.1	1.3	78.9	75.2
Botswana	851	59.3	11.6	8.1	15.5	59.3	2.2	3.3	60.9	57.8
Canada	1243	77.2	4.2	2.7	10.0	77.2	1.6	4.2	75.9	78.4
Chile	674	69.4	7.3	7.1	11.1	69.4	2.1	3.1	66.3	72.0
Chinese Taipei	808	90.7	2.5	1.6	5.0	90.7	0.1	0.0	91.7	89.8
Egypt	1118	44.5	16.4	17.5	17.1	44.5	2.3	2.2	45.6	43.3
England	686	74.7	6.5	3.3	11.9	74.7	2.1	1.4	75.0	74.5
Georgia	581	64.6	8.2	9.1	11.5	64.6	3.0	3.6	65.9	63.5
Hong Kong SAR	590	87.3	3.2	3.5	5.7	87.3	0.4	0.0	87.1	87.4
Hungary	691	84.6	2.0	3.6	6.7	84.6	1.6	1.5	85.5	83.9
Iran, Islamic Rep. of	871	58.3	10.5	6.2	15.1	58.3	4.8	5.1	58.7	57.9
Ireland	678	81.4	4.5	0.8	8.8	81.4	3.2	1.3	83.1	79.7
Israel	790	71.4	6.3	4.9	9.9	71.4	3.0	4.5	68.9	73.5
Italy	627	80.3	3.9	2.6	8.7	80.3	2.7	1.7	82.4	78.5
Japan	670	89.0	1.7	2.2	5.8	89.0	0.9	0.5	89.0	88.9
Jordan	1122	53.1	13.2	9.3	17.8	53.1	3.9	2.6	54.6	51.6
Kazakhstan	696	83.8	5.1	4.0	5.0	83.8	0.7	1.5	86.0	81.8
Korea, Rep. of	749	90.7	1.2	2.2	5.7	90.7	0.2	0.0	90.2	91.1
Kuwait	612	51.1	16.0	9.8	15.7	51.1	4.4	3.0	51.8	50.5
Lebanon	543	64.1	5.6	4.1	9.6	64.1	11.4	5.2	63.5	64.8
Lithuania	619	85.2	3.4	2.5	5.9	85.2	2.4	0.6	85.9	84.4
Malaysia	1389	80.7	4.4	3.3	7.2	80.7	0.9	3.5	80.4	80.9
Malta	546	75.4	4.7	3.6	10.7	75.4	3.8	1.9	76.4	74.4
Morocco	1887	57.1	13.0	8.8	13.4	57.1	5.1	2.6	56.0	58.2
New Zealand	1179	78.4	5.4	3.7	9.4	78.4	1.6	1.4	78.9	78.0
Norway	657	77.5	4.7	2.3	7.7	77.5	4.5	3.3	80.7	74.7
Oman	1273	56.8	13.6	9.1	16.5	56.8	2.6	1.4	56.2	57.2
Qatar	762	62.6	12.1	7.2	13.2	62.6	2.2	2.7	65.2	59.9
Russian Federation	686	82.8	2.9	1.4	5.8	82.8	4.5	2.6	84.1	81.6
Saudi Arabia	542	48.8	16.1	14.1	17.7	48.8	2.1	1.3	47.9	49.6
Singapore	870	89.8	2.7	2.0	5.2	89.8	0.4	0.1	90.7	88.9
Slovenia	613	81.5	4.0	2.7	7.4	81.5	3.4	1.2	78.9	83.8
South Africa	1793	55.0	14.3	7.6	14.5	55.0	5.5	3.0	55.1	54.9
Sweden	585	77.3	2.9	3.5	6.3	77.3	4.6	5.3	77.9	76.6
Thailand	927	74.8	4.0	6.7	10.7	74.8	2.0	1.8	77.4	71.8
Turkey	869	74.4	6.5	5.2	12.3	74.4	0.9	0.7	74.7	74.3
United Arab Emirates	2589	67.6	8.2	6.0	14.2	67.6	2.0	2.0	71.6	63.6
United States	1463	75.2	5.9	4.2	11.3	75.2	1.4	2.1	74.2	76.2
International Avg (n=39)	36011	72.6	6.9	5.2	10.4	72.6	2.6	2.2	73.2	72.0
Buenos Aires, Argentina	440	55.6	7.5	6.8	9.0	55.6	10.3	10.8	51.2	60.6
Ontario, Canada	640	75.3	5.1	3.3	11.0	75.3	1.1	4.2	75.7	75.0
Quebec, Canada	563	79.3	3.7	1.4	7.4	79.3	2.8	5.4	76.1	82.6
Norway (8)	691	73.2	6.1	4.0	8.7	73.2	5.6	2.4	78.1	68.5
Abu Dhabi, UAE	699	65.2	9.0	6.3	15.7	65.2	1.8	2.1	71.6	59.1
Dubai, UAE	885	75.1	6.1	5.1	9.3	75.1	2.6	1.8	75.4	74.8
Florida, US	301	72.7	7.4	4.4	12.7	72.7	0.9	1.9	76.9	68.8

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

M10_01 (M062150): Number / Knowing Type: CR 1 Point
Label: Difference between low temperature in City X and Y

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	74.8	22.6	74.8	2.3	0.3	71.4	78.5
Bahrain	710	36.7	56.7	36.7	6.5	0.0	31.0	41.8
Botswana	853	45.0	53.5	45.0	1.2	0.3	52.5	37.9
Canada	1240	76.7	20.2	76.7	3.0	0.1	77.1	76.3
Chile	695	49.3	38.0	49.3	12.5	0.2	40.7	56.0
Chinese Taipei	820	84.7	13.8	84.7	1.5	0.0	85.5	84.0
Egypt	1125	36.8	51.1	36.8	12.0	0.1	39.4	33.8
England	697	83.0	14.8	83.0	1.9	0.3	81.4	84.8
Georgia	582	39.3	46.3	39.3	13.4	0.9	41.8	37.5
Hong Kong SAR	585	88.2	10.8	88.2	1.0	0.0	89.4	87.1
Hungary	697	76.1	21.2	76.1	2.7	0.0	73.2	78.9
Iran, Islamic Rep. of	867	28.7	61.8	28.7	9.4	0.1	24.3	32.7
Ireland	663	80.7	18.7	80.7	0.4	0.2	76.9	84.6
Israel	798	70.6	22.3	70.6	6.5	0.5	68.9	72.3
Italy	631	60.6	35.3	60.6	4.1	0.0	50.9	69.3
Japan	672	81.3	17.6	81.3	1.1	0.0	78.6	84.1
Jordan	1131	33.2	57.8	33.2	8.8	0.3	31.4	35.0
Kazakhstan	696	61.6	34.2	61.6	4.1	0.1	61.1	62.1
Korea, Rep. of	760	78.4	19.9	78.4	1.7	0.0	77.5	79.2
Kuwait	644	33.2	55.5	33.2	10.8	0.6	32.0	34.3
Lebanon	548	37.2	45.1	37.2	17.6	0.0	38.8	35.3
Lithuania	616	65.5	30.9	65.5	3.5	0.0	60.7	70.3
Malaysia	1393	55.8	39.3	55.8	4.9	0.0	63.9	48.3
Malta	538	72.9	25.2	72.9	2.0	0.0	69.9	75.9
Morocco	1881	26.9	58.8	26.9	14.2	0.2	25.2	28.4
New Zealand	1122	71.0	26.3	71.0	2.6	0.1	69.8	72.1
Norway	667	81.4	14.2	81.4	4.2	0.2	80.8	81.9
Oman	1268	34.5	57.0	34.5	8.1	0.4	38.2	31.3
Qatar	771	41.8	51.7	41.8	6.3	0.3	38.8	44.8
Russian Federation	678	63.1	32.1	63.1	4.8	0.0	60.7	65.2
Saudi Arabia	538	4.1	88.2	4.1	7.7	0.0	3.7	4.4
Singapore	870	88.5	10.7	88.5	0.8	0.0	91.4	85.6
Slovenia	605	83.0	15.6	83.0	1.4	0.0	79.2	86.2
South Africa	1788	23.8	73.5	23.8	2.4	0.2	23.4	24.2
Sweden	573	83.2	14.6	83.2	1.9	0.3	80.3	86.2
Thailand	921	29.3	65.3	29.3	5.4	0.0	25.1	34.4
Turkey	858	40.3	55.2	40.3	4.5	0.0	34.5	46.2
United Arab Emirates	2573	56.4	40.3	56.4	3.3	0.0	57.5	55.2
United States	1453	74.7	22.7	74.7	2.5	0.1	73.4	76.1
International Avg (n=39)	36003	57.7	36.9	57.7	5.2	0.1	56.4	59.0
Buenos Aires, Argentina	458	37.8	34.3	37.8	24.4	3.4	34.0	41.8
Ontario, Canada	643	74.4	22.8	74.4	2.8	0.0	73.9	74.9
Quebec, Canada	556	82.3	15.3	82.3	2.1	0.3	84.0	80.6
Norway (8)	677	71.1	19.9	71.1	9.0	0.1	70.7	71.2
Abu Dhabi, UAE	692	53.3	43.4	53.3	3.4	0.0	58.3	48.1
Dubai, UAE	887	66.1	31.9	66.1	2.0	0.0	64.0	68.3
Florida, US	302	66.7	29.2	66.7	4.0	0.0	63.8	69.9

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.

M10_02 (M062335): Number / Knowing Type: MC Key: B
Label: Select equivalent ratio to 3:2

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	70.7	10.1	70.7	4.3	13.4	1.3	0.3	69.8	71.7
Bahrain	710	62.8	10.6	62.8	6.8	18.0	1.7	0.0	60.6	64.8
Botswana	853	46.0	12.8	46.0	9.8	29.7	1.3	0.4	49.2	43.0
Canada	1235	78.2	7.3	78.2	1.9	11.4	1.1	0.2	79.9	76.6
Chile	695	44.9	8.3	44.9	9.2	32.9	4.5	0.2	40.3	48.5
Chinese Taipei	820	91.8	2.8	91.8	0.3	5.0	0.1	0.0	92.4	91.3
Egypt	1125	35.5	10.5	35.5	10.4	41.2	2.4	0.1	35.3	35.7
England	697	76.5	9.3	76.5	1.9	11.6	0.4	0.4	74.5	78.7
Georgia	582	56.9	9.6	56.9	3.9	27.1	1.6	0.9	58.4	55.9
Hong Kong SAR	585	87.1	7.2	87.1	0.7	4.3	0.8	0.0	87.0	87.2
Hungary	697	65.7	11.2	65.7	2.4	20.3	0.5	0.0	63.4	67.9
Iran, Islamic Rep. of	867	47.6	15.0	47.6	4.4	30.2	2.7	0.1	48.9	46.5
Ireland	663	70.2	9.7	70.2	2.2	17.4	0.4	0.2	65.8	74.7
Israel	798	75.1	7.6	75.1	4.9	10.1	1.7	0.6	75.1	75.2
Italy	631	72.2	8.8	72.2	2.7	14.7	1.5	0.1	71.7	72.6
Japan	672	89.6	4.6	89.6	0.7	4.8	0.1	0.1	90.4	88.8
Jordan	1131	31.9	8.4	31.9	11.7	45.6	2.0	0.4	33.9	29.7
Kazakhstan	696	71.8	10.3	71.8	3.9	13.5	0.4	0.1	73.4	70.3
Korea, Rep. of	760	94.2	1.9	94.2	0.3	3.4	0.3	0.0	94.5	93.8
Kuwait	644	46.5	13.1	46.5	8.1	27.8	4.0	0.6	46.0	47.0
Lebanon	548	49.4	7.1	49.4	3.6	29.9	10.1	0.0	47.2	52.1
Lithuania	616	59.3	15.3	59.3	3.2	20.2	2.0	0.0	58.4	60.1
Malaysia	1393	60.2	10.8	60.2	4.7	23.4	1.0	0.0	64.3	56.4
Malta	538	71.8	8.9	71.8	3.6	15.2	0.5	0.0	70.7	72.8
Morocco	1881	38.1	11.3	38.1	12.2	34.3	3.9	0.2	41.0	35.4
New Zealand	1122	61.3	9.7	61.3	4.5	20.9	3.5	0.1	65.0	57.7
Norway	667	71.8	13.4	71.8	1.5	11.3	1.7	0.2	74.0	69.7
Oman	1268	33.7	8.5	33.7	10.9	45.0	1.1	0.7	33.9	33.5
Qatar	771	60.0	8.2	60.0	9.7	19.9	1.9	0.3	61.3	58.7
Russian Federation	678	74.8	7.6	74.8	4.1	12.2	1.2	0.1	71.3	77.8
Saudi Arabia	538	32.7	9.6	32.7	14.0	42.0	1.7	0.0	28.3	37.2
Singapore	870	92.1	3.6	92.1	1.0	2.9	0.3	0.1	91.5	92.8
Slovenia	605	68.0	10.6	68.0	1.8	18.5	1.1	0.0	63.3	71.7
South Africa	1788	31.4	7.6	31.4	11.7	47.8	1.3	0.3	32.1	30.6
Sweden	573	52.4	12.9	52.4	6.1	23.2	5.1	0.3	51.0	53.8
Thailand	921	49.6	11.2	49.6	6.4	31.1	1.7	0.0	51.0	48.0
Turkey	858	50.6	10.5	50.6	8.2	30.3	0.3	0.2	50.8	50.4
United Arab Emirates	2573	59.7	7.8	59.7	7.9	23.1	1.5	0.0	60.8	58.5
United States	1453	74.6	7.0	74.6	2.8	14.1	1.4	0.2	71.4	78.0
International Avg (n=39)	35998	61.7	9.2	61.7	5.3	21.7	1.8	0.2	61.5	61.9
Buenos Aires, Argentina	447	40.4	11.2	40.4	4.4	20.3	20.6	3.2	37.5	43.3
Ontario, Canada	642	75.6	5.9	75.6	2.4	15.1	0.9	0.1	78.6	72.9
Quebec, Canada	552	83.1	8.9	83.1	0.8	5.3	1.6	0.3	83.3	82.9
Norway (8)	677	60.5	15.2	60.5	3.2	18.2	2.8	0.1	61.0	59.8
Abu Dhabi, UAE	692	51.4	10.2	51.4	11.8	24.7	1.9	0.0	53.9	48.8
Dubai, UAE	887	73.3	7.1	73.3	4.1	15.0	0.5	0.0	75.9	70.5
Florida, US	302	69.1	7.0	69.1	4.5	18.5	0.7	0.2	72.3	65.8

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

M10_03 (M062219): Number / Applying Type: MC Key: A
Label: Katy enlarges a photo - new height

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	35.5	35.5	13.9	3.1	45.7	1.4	0.3	32.1	39.2
Bahrain	710	53.0	53.0	11.1	6.2	29.1	0.6	0.0	48.8	56.7
Botswana	853	26.7	26.7	19.3	6.5	46.4	0.7	0.4	27.2	26.2
Canada	1237	41.5	41.5	10.7	3.3	43.9	0.4	0.2	38.4	44.4
Chile	695	22.7	22.7	17.0	6.2	52.8	1.0	0.4	16.3	27.7
Chinese Taipei	820	64.9	64.9	6.0	1.9	27.2	0.1	0.0	64.3	65.4
Egypt	1125	36.0	36.0	15.1	8.5	38.6	1.8	0.1	36.3	35.6
England	697	40.5	40.5	14.9	2.0	41.9	0.3	0.4	37.7	43.4
Georgia	582	33.0	33.0	17.0	3.9	44.4	0.7	0.9	25.4	38.8
Hong Kong SAR	585	69.7	69.7	5.5	2.4	22.4	0.1	0.0	62.9	75.6
Hungary	697	40.4	40.4	14.6	2.2	42.5	0.3	0.0	34.3	46.5
Iran, Islamic Rep. of	867	32.5	32.5	14.2	5.5	46.7	0.9	0.3	26.6	37.9
Ireland	663	40.3	40.3	11.4	2.4	45.7	0.1	0.2	37.8	42.7
Israel	798	51.5	51.5	10.3	3.9	31.9	1.8	0.6	47.2	55.7
Italy	631	35.7	35.7	10.4	2.8	50.8	0.3	0.1	34.4	36.9
Japan	672	64.1	64.1	6.2	2.4	27.2	0.0	0.1	61.7	66.6
Jordan	1131	26.2	26.2	15.2	11.6	46.0	0.7	0.4	24.1	28.4
Kazakhstan	696	54.5	54.5	12.8	2.8	29.1	0.7	0.1	54.9	54.2
Korea, Rep. of	760	73.7	73.7	3.8	1.8	20.3	0.4	0.0	71.4	75.8
Kuwait	643	20.2	20.2	18.0	10.0	49.8	1.4	0.6	15.4	24.7
Lebanon	548	38.1	38.1	18.0	5.2	32.3	6.4	0.0	40.6	34.9
Lithuania	616	41.4	41.4	16.0	3.3	38.7	0.6	0.0	29.4	53.3
Malaysia	1393	21.0	21.0	20.9	6.4	50.5	1.3	0.0	21.5	20.5
Malta	538	38.5	38.5	12.1	3.4	45.2	0.8	0.0	39.7	37.4
Morocco	1880	24.0	24.0	19.4	9.1	44.9	2.3	0.3	23.1	24.8
New Zealand	1122	35.5	35.5	16.6	3.7	42.7	1.2	0.4	29.5	41.3
Norway	667	44.7	44.7	15.4	2.3	36.8	0.5	0.2	36.1	52.7
Oman	1268	24.0	24.0	18.3	7.2	48.5	1.3	0.7	27.3	21.2
Qatar	771	29.8	29.8	16.0	8.2	44.8	1.0	0.3	30.0	29.5
Russian Federation	678	44.2	44.2	12.8	1.8	40.8	0.3	0.1	40.2	47.8
Saudi Arabia	538	24.9	24.9	23.0	8.8	41.9	1.4	0.1	24.2	25.8
Singapore	870	72.6	72.6	4.6	1.2	21.0	0.5	0.1	75.3	70.0
Slovenia	605	39.1	39.1	13.7	4.4	42.4	0.5	0.0	26.9	48.9
South Africa	1788	29.1	29.1	21.1	6.8	41.8	0.7	0.5	30.5	27.7
Sweden	573	46.3	46.3	11.8	2.6	36.7	2.4	0.3	42.2	50.2
Thailand	921	27.3	27.3	21.2	6.6	44.4	0.5	0.0	25.4	29.7
Turkey	858	36.3	36.3	15.7	6.2	41.4	0.3	0.2	33.0	39.7
United Arab Emirates	2573	35.6	35.6	13.3	5.1	44.9	1.0	0.0	34.0	37.3
United States	1453	36.6	36.6	10.5	3.4	48.2	1.2	0.2	36.2	37.1
International Avg (n=39)	35998	39.8	39.8	14.0	4.7	40.3	1.0	0.2	37.0	42.4
Buenos Aires, Argentina	455	23.6	23.6	15.6	6.8	48.2	2.8	3.1	21.6	25.6
Ontario, Canada	643	36.7	36.7	11.4	4.0	47.4	0.3	0.1	33.9	39.3
Quebec, Canada	553	51.7	51.7	8.7	1.4	37.1	0.8	0.3	48.6	55.0
Norway (8)	677	39.4	39.4	15.6	2.6	40.7	1.7	0.1	33.6	44.6
Abu Dhabi, UAE	692	31.4	31.4	14.9	5.7	47.0	1.0	0.0	30.9	31.9
Dubai, UAE	887	43.3	43.3	10.6	3.9	41.6	0.5	0.0	41.6	45.2
Florida, US	302	33.0	33.0	15.2	6.0	44.8	0.7	0.2	38.1	27.7

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

M10_04 (M062002): Number / Reasoning Type: CR 1 Point
Label: Fill in boxes to make the smallest product

COUNTRY	N	10 %	70 %	71 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	43.9	32.5	0.4	20.0	43.9	2.9	0.3	46.4	41.3
Bahrain	710	21.8	16.9	13.1	43.4	21.8	4.8	0.0	24.2	19.6
Botswana	853	18.5	17.1	3.0	57.3	18.5	3.7	0.4	17.2	19.7
Canada	1240	51.1	27.6	0.6	17.9	51.1	2.3	0.5	55.5	47.0
Chile	695	19.4	27.7	1.6	38.6	19.4	12.3	0.4	19.6	19.2
Chinese Taipei	820	54.4	30.2	0.7	12.2	54.4	2.5	0.0	55.4	53.4
Egypt	1125	7.6	7.6	21.9	55.8	7.6	6.9	0.1	8.4	6.8
England	697	49.4	29.1	0.0	18.7	49.4	2.4	0.4	51.9	46.7
Georgia	582	29.7	32.0	0.2	26.0	29.7	11.0	1.2	30.7	28.9
Hong Kong SAR	585	64.5	24.5	0.2	9.7	64.5	1.1	0.0	68.6	60.8
Hungary	697	46.0	25.7	0.7	25.7	46.0	2.0	0.0	50.3	41.7
Iran, Islamic Rep. of	867	16.3	18.7	7.1	49.4	16.3	8.3	0.3	17.7	15.0
Ireland	663	45.7	27.5	0.0	25.5	45.7	1.1	0.2	49.5	41.9
Israel	798	37.2	26.2	2.7	28.5	37.2	4.4	0.9	40.3	34.1
Italy	631	50.3	22.3	1.2	19.9	50.3	6.2	0.1	51.5	49.1
Japan	672	54.8	30.1	0.0	14.3	54.8	0.6	0.1	57.5	52.0
Jordan	1131	7.4	10.8	11.9	65.2	7.4	4.3	0.4	8.8	5.8
Kazakhstan	696	47.3	18.2	0.3	29.8	47.3	4.2	0.1	46.7	47.8
Korea, Rep. of	760	42.7	34.5	0.4	20.5	42.7	1.8	0.0	41.4	44.0
Kuwait	643	9.2	13.7	24.9	45.3	9.2	6.3	0.6	8.2	10.2
Lebanon	548	33.0	13.2	0.1	38.2	33.0	15.4	0.0	36.3	28.8
Lithuania	616	46.0	32.5	0.9	16.2	46.0	4.4	0.0	48.6	43.4
Malaysia	1393	54.0	14.0	0.8	28.2	54.0	3.1	0.0	59.2	49.3
Malta	538	39.5	24.0	1.5	31.6	39.5	3.4	0.0	41.0	37.9
Morocco	1881	13.8	13.6	14.8	53.2	13.8	4.3	0.3	13.9	13.7
New Zealand	1122	40.0	30.0	0.3	26.2	40.0	3.2	0.4	41.8	38.1
Norway	667	34.2	35.8	1.2	27.0	34.2	1.5	0.2	32.8	35.5
Oman	1268	16.4	12.1	25.9	42.2	16.4	2.7	0.7	18.7	14.4
Qatar	771	27.9	15.7	4.3	47.9	27.9	3.8	0.4	33.2	22.4
Russian Federation	678	45.2	26.1	0.8	19.1	45.2	8.7	0.1	46.9	43.7
Saudi Arabia	538	10.1	9.7	39.6	34.4	10.1	5.9	0.3	12.2	7.9
Singapore	870	69.0	18.0	0.2	12.1	69.0	0.5	0.1	72.0	66.1
Slovenia	605	43.2	37.7	0.1	17.9	43.2	1.1	0.0	45.4	41.4
South Africa	1788	14.3	8.3	0.4	71.1	14.3	5.4	0.6	15.3	13.3
Sweden	573	38.1	40.3	0.7	17.9	38.1	2.7	0.3	36.3	39.9
Thailand	921	33.8	23.8	2.2	34.5	33.8	5.6	0.0	39.2	27.5
Turkey	858	30.2	19.4	1.9	43.9	30.2	4.4	0.2	31.1	29.2
United Arab Emirates	2573	33.2	17.7	11.4	34.1	33.2	3.5	0.0	36.6	29.7
United States	1453	47.0	28.1	1.1	21.8	47.0	1.8	0.2	49.0	44.9
International Avg (n=39)	36002	35.5	22.9	5.1	31.8	35.5	4.4	0.3	37.4	33.6
Buenos Aires, Argentina	459	13.0	19.7	2.1	31.6	13.0	29.9	3.7	15.0	11.0
Ontario, Canada	643	50.8	27.5	0.8	18.7	50.8	2.0	0.1	54.5	47.4
Quebec, Canada	556	56.7	23.6	0.2	14.7	56.7	3.6	1.3	62.9	50.3
Norway (8)	677	28.3	40.9	0.3	26.4	28.3	3.9	0.1	31.5	25.5
Abu Dhabi, UAE	692	29.1	15.3	12.9	39.3	29.1	3.4	0.0	34.7	23.3
Dubai, UAE	887	45.3	19.7	8.3	24.4	45.3	2.1	0.1	48.6	41.8
Florida, US	302	50.0	21.8	0.7	24.5	50.0	2.8	0.2	54.0	45.8

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.

M10_05 (M062149): Algebra / Applying Type: MC Key: D
Label: Identify expression to calculate Robin's earnings

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	51.2	4.8	8.8	33.2	51.2	1.7	0.4	53.4	48.8
Bahrain	710	33.2	8.9	9.3	46.3	33.2	2.2	0.1	32.9	33.5
Botswana	853	25.3	7.4	11.0	54.6	25.3	1.0	0.7	25.2	25.4
Canada	1237	59.3	2.8	5.3	31.4	59.3	1.0	0.2	59.0	59.6
Chile	695	34.0	5.0	13.0	44.1	34.0	3.3	0.5	35.2	33.1
Chinese Taipei	820	75.0	2.3	1.9	20.9	75.0	0.0	0.0	77.3	72.8
Egypt	1125	20.6	11.9	13.2	52.0	20.6	2.3	0.1	22.7	18.2
England	697	41.7	8.1	9.9	38.1	41.7	1.8	0.5	44.4	38.6
Georgia	582	30.7	4.2	6.5	53.9	30.7	3.5	1.2	30.7	30.7
Hong Kong SAR	585	78.2	0.7	1.6	19.2	78.2	0.3	0.0	80.5	76.1
Hungary	697	47.8	5.1	5.5	40.7	47.8	0.6	0.2	52.2	43.5
Iran, Islamic Rep. of	867	30.2	7.2	14.9	44.2	30.2	3.0	0.5	31.3	29.2
Ireland	663	59.6	4.9	5.3	28.4	59.6	1.6	0.2	62.3	56.8
Israel	798	54.8	5.1	7.1	29.0	54.8	2.9	1.1	52.9	56.7
Italy	631	56.2	3.9	5.5	33.6	56.2	0.7	0.1	57.7	54.7
Japan	672	52.9	2.5	3.6	40.1	52.9	0.7	0.1	52.8	53.1
Jordan	1131	21.9	6.2	9.8	59.1	21.9	2.5	0.5	23.3	20.4
Kazakhstan	696	47.6	3.7	5.9	41.5	47.6	1.2	0.2	44.9	50.0
Korea, Rep. of	760	50.3	2.6	2.7	44.2	50.3	0.2	0.0	54.0	46.9
Kuwait	644	19.3	9.7	14.7	51.7	19.3	3.5	1.1	18.8	19.7
Lebanon	548	23.1	10.8	8.1	49.2	23.1	8.5	0.2	27.4	17.6
Lithuania	616	52.8	2.9	2.9	40.7	52.8	0.7	0.0	51.5	54.0
Malaysia	1393	47.9	3.8	8.8	38.2	47.9	1.0	0.3	51.6	44.6
Malta	538	42.3	6.7	9.6	39.4	42.3	1.8	0.2	45.3	39.2
Morocco	1881	19.2	5.9	9.7	62.7	19.2	2.2	0.4	20.8	17.6
New Zealand	1122	43.7	6.2	11.2	36.3	43.7	2.3	0.4	46.8	40.7
Norway	667	46.6	4.4	9.1	38.0	46.6	1.6	0.2	48.2	45.1
Oman	1268	24.2	10.4	9.5	53.9	24.2	1.1	0.9	27.6	21.4
Qatar	771	25.4	7.5	12.4	52.4	25.4	1.9	0.4	25.2	25.6
Russian Federation	678	62.6	2.5	4.6	28.5	62.6	1.5	0.3	64.3	61.1
Saudi Arabia	538	22.2	10.3	16.1	49.6	22.2	1.4	0.3	25.8	18.4
Singapore	870	82.0	1.3	1.9	14.2	82.0	0.5	0.1	86.0	78.0
Slovenia	605	53.3	4.8	8.1	33.2	53.3	0.5	0.0	58.4	49.1
South Africa	1788	22.0	8.0	9.8	58.1	22.0	1.6	0.6	24.6	19.3
Sweden	572	46.8	4.5	9.5	36.3	46.8	2.7	0.3	49.4	44.1
Thailand	921	26.4	4.0	10.7	56.1	26.4	2.8	0.0	32.7	18.9
Turkey	858	35.7	4.7	6.5	52.3	35.7	0.6	0.2	34.4	37.0
United Arab Emirates	2573	30.8	6.9	9.6	49.6	30.8	3.0	0.1	33.8	27.8
United States	1453	45.9	3.8	6.8	41.4	45.9	1.9	0.2	47.5	44.2
International Avg (n=39)	35999	42.1	5.6	8.2	42.0	42.1	1.8	0.3	43.9	40.3
Buenos Aires, Argentina	455	28.8	5.2	12.0	42.3	28.8	6.5	5.1	29.6	28.0
Ontario, Canada	643	53.7	3.4	7.1	34.4	53.7	1.3	0.1	55.1	52.4
Quebec, Canada	553	76.4	1.0	1.7	19.9	76.4	0.8	0.3	73.0	79.8
Norway (8)	677	33.5	6.9	12.1	43.3	33.5	4.0	0.3	38.4	29.0
Abu Dhabi, UAE	692	25.8	7.9	12.0	49.0	25.8	5.0	0.3	31.8	19.6
Dubai, UAE	887	42.2	4.2	9.2	43.5	42.2	0.9	0.1	42.0	42.3
Florida, US	302	41.7	3.2	10.4	42.4	41.7	2.0	0.2	45.0	38.3

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

M10_06 (M062241): Algebra / Applying Type: CR 1 Point
Label: Roy's phone business - equation for y

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	39.5	42.2	39.5	18.0	0.4	41.2	37.6
Bahrain	710	14.4	70.3	14.4	15.1	0.2	13.9	14.9
Botswana	853	6.1	87.2	6.1	5.6	1.1	5.2	6.8
Canada	1240	40.6	44.6	40.6	14.2	0.6	41.5	39.7
Chile	695	11.7	49.3	11.7	38.2	0.8	10.3	12.8
Chinese Taipei	820	64.8	26.1	64.8	9.1	0.0	68.1	61.6
Egypt	1125	8.2	66.5	8.2	25.2	0.1	10.2	5.9
England	697	32.9	50.2	32.9	16.4	0.5	33.1	32.8
Georgia	582	28.0	38.1	28.0	32.4	1.4	34.8	22.9
Hong Kong SAR	585	67.6	28.8	67.6	3.5	0.0	68.3	67.1
Hungary	697	43.8	40.2	43.8	15.8	0.2	44.5	43.2
Iran, Islamic Rep. of	867	8.9	60.9	8.9	29.5	0.7	9.9	8.0
Ireland	663	33.3	49.5	33.3	16.8	0.4	35.5	31.1
Israel	798	51.7	30.6	51.7	16.3	1.4	55.3	48.2
Italy	630	25.2	32.9	25.2	41.6	0.2	23.3	27.0
Japan	672	82.4	11.2	82.4	6.3	0.1	84.9	79.7
Jordan	1131	11.4	72.2	11.4	15.6	0.7	13.3	9.4
Kazakhstan	696	44.6	41.1	44.6	14.1	0.2	53.1	36.9
Korea, Rep. of	760	80.2	14.8	80.2	5.0	0.0	82.4	78.3
Kuwait	644	7.3	57.9	7.3	33.7	1.1	6.4	8.1
Lebanon	547	13.2	35.5	13.2	50.9	0.5	15.6	10.1
Lithuania	616	26.8	49.8	26.8	23.4	0.0	26.1	27.5
Malaysia	1393	6.3	73.4	6.3	19.8	0.6	7.2	5.4
Malta	538	30.0	52.1	30.0	17.7	0.2	29.4	30.7
Morocco	1881	4.0	57.3	4.0	38.3	0.4	4.3	3.8
New Zealand	1122	31.4	52.4	31.4	15.7	0.5	32.9	29.9
Norway	667	31.5	36.7	31.5	31.5	0.2	33.2	30.0
Oman	1268	9.9	78.0	9.9	10.9	1.1	12.6	7.7
Qatar	771	17.9	62.6	17.9	19.1	0.4	21.3	14.3
Russian Federation	678	47.1	32.4	47.1	20.2	0.4	49.3	45.1
Saudi Arabia	538	4.6	72.1	4.6	22.6	0.7	3.3	5.9
Singapore	870	68.4	29.2	68.4	2.3	0.1	69.6	67.2
Slovenia	605	34.9	46.2	34.9	18.8	0.0	35.4	34.5
South Africa	1788	6.5	84.1	6.5	8.7	0.6	7.2	5.9
Sweden	572	31.9	46.0	31.9	21.6	0.5	30.6	33.2
Thailand	921	8.8	67.4	8.8	23.7	0.2	10.7	6.5
Turkey	857	15.9	59.1	15.9	24.7	0.2	16.1	15.8
United Arab Emirates	2573	23.1	61.8	23.1	15.0	0.1	23.5	22.6
United States	1453	39.5	54.4	39.5	5.7	0.5	39.8	39.1
International Avg (n=39)	35999	29.6	50.4	29.6	19.6	0.4	30.9	28.4
Buenos Aires, Argentina	457	23.4	27.6	23.4	43.2	5.8	26.2	20.4
Ontario, Canada	643	36.8	49.2	36.8	13.7	0.3	37.9	35.8
Quebec, Canada	556	46.5	38.0	46.5	14.2	1.3	46.6	46.3
Norway (8)	677	15.6	43.6	15.6	40.1	0.7	15.6	15.7
Abu Dhabi, UAE	692	15.2	67.9	15.2	16.6	0.3	19.1	11.2
Dubai, UAE	887	37.1	51.2	37.1	11.6	0.1	36.8	37.5
Florida, US	302	28.4	64.3	28.4	6.5	0.8	32.1	24.5

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.

M10_08 (M062105): Algebra / Reasoning Type: CR 2 Points
Label: Area of rectangle with sides x and 2x + 1

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	23.5	1.4	60.1	24.8	23.5	14.6	0.5	23.9	23.0
Bahrain	710	8.7	5.8	72.2	14.5	8.7	13.0	0.3	8.4	8.9
Botswana	853	3.3	4.5	86.6	7.8	3.3	3.9	1.6	4.2	2.5
Canada	1240	26.5	4.5	57.0	31.0	26.5	10.9	1.1	24.8	28.0
Chile	695	6.9	2.0	53.9	8.9	6.9	36.0	1.2	8.1	6.0
Chinese Taipei	820	61.0	2.4	28.5	63.4	61.0	8.1	0.0	64.4	57.8
Egypt	1125	8.9	1.2	76.8	10.1	8.9	13.0	0.1	10.4	7.1
England	697	22.0	3.2	60.1	25.2	22.0	14.2	0.5	21.6	22.5
Georgia	582	22.1	5.3	51.0	27.4	22.1	20.0	1.6	27.0	18.4
Hong Kong SAR	585	58.4	4.2	33.5	62.6	58.4	3.9	0.0	55.4	61.1
Hungary	697	24.7	1.7	53.5	26.4	24.7	19.9	0.2	25.6	23.7
Iran, Islamic Rep. of	866	13.1	1.9	63.7	15.0	13.1	20.1	1.2	13.7	12.6
Ireland	663	22.7	1.3	62.7	24.0	22.7	12.9	0.4	23.1	22.4
Israel	798	37.9	2.0	47.6	39.9	37.9	11.0	1.5	37.1	38.6
Italy	631	20.9	1.4	49.3	22.3	20.9	28.0	0.4	19.2	22.4
Japan	672	43.4	1.8	46.6	45.2	43.4	8.1	0.1	42.5	44.3
Jordan	1131	3.5	4.0	80.9	7.5	3.5	10.8	0.8	4.2	2.8
Kazakhstan	695	36.3	12.1	45.3	48.5	36.3	5.9	0.4	39.8	33.2
Korea, Rep. of	760	66.5	3.5	26.1	70.0	66.5	3.9	0.0	68.6	64.5
Kuwait	644	5.7	7.0	66.8	12.7	5.7	19.2	1.4	2.8	8.1
Lebanon	547	4.6	4.2	67.6	8.8	4.6	22.4	1.1	5.4	3.5
Lithuania	617	22.1	7.3	57.0	29.4	22.1	13.5	0.0	22.5	21.7
Malaysia	1393	13.7	3.1	69.7	16.8	13.7	12.4	1.1	15.0	12.6
Malta	538	19.4	5.3	61.0	24.7	19.4	13.9	0.4	20.8	18.1
Morocco	1881	3.7	1.9	72.8	5.6	3.7	20.8	0.8	4.0	3.4
New Zealand	1122	19.3	1.1	64.0	20.3	19.3	15.0	0.7	19.7	18.8
Norway	667	21.8	2.3	55.9	24.0	21.8	19.7	0.4	18.8	24.5
Oman	1267	6.3	6.5	79.6	12.7	6.3	6.4	1.3	6.2	6.4
Qatar	771	9.8	5.3	72.9	15.1	9.8	11.5	0.5	11.3	8.2
Russian Federation	678	38.8	1.1	39.9	39.9	38.8	19.6	0.6	39.2	38.4
Saudi Arabia	538	0.7	4.9	81.7	5.6	0.7	11.8	0.9	0.4	1.1
Singapore	870	61.1	4.2	33.4	65.3	61.1	1.0	0.3	64.5	57.6
Slovenia	605	20.1	2.5	60.1	22.6	20.1	17.3	0.0	18.8	21.1
South Africa	1788	3.3	5.9	85.3	9.3	3.3	4.7	0.8	4.4	2.2
Sweden	573	30.8	0.4	53.4	31.2	30.8	14.4	0.9	31.6	30.1
Thailand	923	7.4	4.0	69.3	11.4	7.4	18.9	0.4	8.8	5.8
Turkey	858	19.4	4.1	69.1	23.5	19.4	7.3	0.2	20.1	18.7
United Arab Emirates	2573	19.5	4.4	67.0	23.8	19.5	9.0	0.1	21.4	17.5
United States	1453	21.7	3.3	68.9	25.0	21.7	5.2	0.8	20.6	22.9
International Avg (n=39)	36002	22.0	3.7	60.3	25.7	22.0	13.4	0.6	22.5	21.6
Buenos Aires, Argentina	458	4.7	4.2	35.8	8.9	4.7	48.6	6.6	6.6	2.8
Ontario, Canada	643	25.7	5.4	56.3	31.0	25.7	11.7	1.0	23.0	28.1
Quebec, Canada	556	32.0	3.7	53.9	35.7	32.0	8.8	1.6	31.2	32.7
Norway (8)	677	11.6	2.0	60.9	13.7	11.6	24.3	1.1	13.5	10.1
Abu Dhabi, UAE	692	13.5	3.7	72.7	17.2	13.5	9.8	0.3	18.3	8.5
Dubai, UAE	887	30.0	3.9	57.7	33.9	30.0	8.3	0.1	30.3	29.7
Florida, US	302	14.5	6.6	71.4	21.1	14.5	6.6	0.8	15.0	14.1

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.

M10_09 (M062040): Geometry / Applying Type: MC Key: C
Label: Estimate area of irregular shape on 1 cm grid

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	54.9	5.9	23.0	54.9	14.4	1.1	0.6	60.2	49.2
Bahrain	708	35.3	11.9	22.6	35.3	28.9	0.8	0.4	36.6	34.1
Botswana	853	28.5	18.4	18.1	28.5	32.6	0.6	1.8	30.3	26.9
Canada	1236	53.1	4.5	20.5	53.1	20.0	0.9	1.0	56.3	50.1
Chile	695	30.9	16.1	21.3	30.9	26.3	4.3	1.2	29.3	32.1
Chinese Taipei	820	68.4	5.6	12.4	68.4	13.3	0.3	0.0	70.8	66.0
Egypt	1125	30.2	14.4	23.4	30.2	30.0	1.5	0.4	29.0	31.5
England	697	49.8	7.4	22.9	49.8	19.1	0.4	0.5	47.8	51.9
Georgia	582	34.9	13.5	22.9	34.9	22.1	4.9	1.6	41.8	29.6
Hong Kong SAR	585	70.8	2.3	16.2	70.8	10.0	0.7	0.0	74.8	67.3
Hungary	697	51.7	5.8	25.0	51.7	17.0	0.3	0.2	51.7	51.7
Iran, Islamic Rep. of	866	36.1	15.0	21.9	36.1	21.6	3.9	1.5	39.8	32.6
Ireland	663	49.4	7.2	22.1	49.4	20.2	0.6	0.4	51.0	47.9
Israel	798	42.9	9.0	18.3	42.9	24.3	3.8	1.7	43.5	42.3
Italy	631	46.2	7.4	22.4	46.2	22.1	1.2	0.7	48.7	43.9
Japan	672	61.0	4.0	16.0	61.0	18.9	0.0	0.1	62.9	59.0
Jordan	1131	26.2	20.7	24.4	26.2	26.1	1.8	0.9	26.6	25.7
Kazakhstan	696	48.5	14.8	18.2	48.5	16.7	1.4	0.5	48.7	48.3
Korea, Rep. of	760	63.8	6.0	13.7	63.8	16.3	0.2	0.0	69.2	58.9
Kuwait	644	32.5	16.4	27.2	32.5	20.2	2.4	1.4	31.9	33.1
Lebanon	546	27.7	20.8	20.1	27.7	19.9	10.4	1.1	25.5	30.6
Lithuania	617	42.8	12.4	23.2	42.8	20.7	1.0	0.0	42.9	42.7
Malaysia	1393	49.9	8.0	17.7	49.9	22.1	0.7	1.6	52.5	47.4
Malta	538	43.8	12.4	23.2	43.8	18.9	1.3	0.4	43.1	44.6
Morocco	1875	29.7	16.4	21.3	29.7	28.0	3.6	1.0	31.4	28.0
New Zealand	1122	48.3	7.8	23.5	48.3	18.2	1.5	0.7	49.0	47.6
Norway	667	47.9	6.6	28.1	47.9	14.1	2.8	0.6	48.5	47.3
Oman	1268	32.5	16.1	22.0	32.5	27.0	1.0	1.4	31.8	33.1
Qatar	771	36.7	15.1	24.3	36.7	21.7	1.6	0.6	38.0	35.4
Russian Federation	678	48.9	6.8	22.2	48.9	17.5	3.3	1.2	50.5	47.5
Saudi Arabia	538	24.0	20.9	22.6	24.0	30.3	1.1	1.1	21.4	26.7
Singapore	870	63.9	2.9	12.4	63.9	20.2	0.3	0.3	66.5	61.3
Slovenia	605	59.6	6.3	18.8	59.6	14.8	0.5	0.0	59.3	59.9
South Africa	1788	25.8	24.5	21.0	25.8	26.3	1.0	1.4	26.1	25.5
Sweden	573	51.2	4.3	25.4	51.2	13.9	3.9	1.4	50.9	51.5
Thailand	923	38.5	16.7	26.7	38.5	15.5	2.1	0.5	41.0	35.5
Turkey	858	44.1	13.1	14.9	44.1	27.3	0.4	0.2	44.6	43.6
United Arab Emirates	2573	38.8	16.4	23.3	38.8	20.2	1.1	0.2	42.0	35.5
United States	1453	44.6	8.5	22.2	44.6	22.1	1.6	0.9	46.6	42.5
International Avg (n=39)	35991	43.9	11.3	21.2	43.9	21.0	1.8	0.8	45.2	42.8
Buenos Aires, Argentina	447	25.4	17.4	19.9	25.4	14.0	16.2	7.2	27.7	23.1
Ontario, Canada	643	50.9	4.3	21.3	50.9	21.2	1.0	1.3	54.9	47.2
Quebec, Canada	552	55.3	3.4	18.9	55.3	20.7	1.1	0.6	54.3	56.3
Norway (8)	677	46.0	6.0	26.9	46.0	15.1	4.6	1.4	47.2	44.9
Abu Dhabi, UAE	692	39.0	16.6	21.9	39.0	21.2	1.0	0.3	40.7	37.2
Dubai, UAE	887	44.4	13.1	21.8	44.4	19.1	1.5	0.1	47.2	41.3
Florida, US	302	47.8	11.1	18.6	47.8	19.1	2.6	0.8	53.8	41.5

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

M10_10 (M062288): Geometry / Applying Type: CR 2 Points
Label: Find vertices of Trapezoids M and N

COUNTRY	N	20 %	10 %	11 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	14.9	5.1	3.2	52.7	23.2	14.9	23.2	1.0	14.6	15.1
Bahrain	708	6.1	2.5	1.1	69.5	9.6	6.1	20.5	0.4	6.2	6.0
Botswana	854	1.0	0.4	0.6	89.1	2.1	1.0	7.0	1.8	0.3	1.8
Canada	1240	19.7	8.8	6.9	49.1	35.5	19.7	13.7	1.7	19.4	20.1
Chile	695	1.6	1.1	0.8	44.8	3.4	1.6	49.6	2.2	0.8	2.1
Chinese Taipei	820	38.0	6.5	9.5	34.1	54.0	38.0	11.9	0.0	39.9	36.1
Egypt	1125	1.3	1.2	0.1	76.0	2.6	1.3	20.7	0.7	1.4	1.1
England	697	16.9	6.1	4.6	52.1	27.5	16.9	19.9	0.5	17.0	16.7
Georgia	582	10.3	5.9	1.2	46.1	17.4	10.3	34.2	2.3	12.9	8.3
Hong Kong SAR	585	29.9	6.1	4.3	53.2	40.3	29.9	6.5	0.0	25.2	34.1
Hungary	697	34.8	8.3	4.8	40.3	47.8	34.8	11.7	0.2	37.6	31.9
Iran, Islamic Rep. of	866	7.6	3.9	2.6	55.2	14.1	7.6	28.4	2.3	7.8	7.5
Ireland	663	14.5	5.8	3.5	57.0	23.9	14.5	18.7	0.4	10.5	18.6
Israel	798	16.8	7.4	3.3	48.2	27.5	16.8	22.2	2.1	16.8	16.7
Italy	631	18.6	7.2	1.7	40.9	27.5	18.6	30.7	0.9	17.6	19.4
Japan	672	53.2	7.7	3.6	26.0	64.5	53.2	9.3	0.1	56.8	49.5
Jordan	1131	4.0	3.3	0.4	76.5	7.7	4.0	14.9	1.0	6.3	1.5
Kazakhstan	696	33.4	7.6	0.5	44.6	41.6	33.4	13.2	0.6	36.2	30.9
Korea, Rep. of	760	34.8	6.9	4.4	42.4	46.1	34.8	11.4	0.0	37.3	32.5
Kuwait	643	3.5	2.3	0.0	68.2	5.8	3.5	24.3	1.7	3.7	3.4
Lebanon	547	14.9	3.7	0.8	47.4	19.4	14.9	31.7	1.5	16.3	13.1
Lithuania	617	25.9	4.6	4.0	44.8	34.4	25.9	20.8	0.1	25.1	26.6
Malaysia	1393	6.5	1.9	0.5	73.0	8.9	6.5	16.4	1.7	7.6	5.6
Malta	538	10.2	4.8	2.2	61.2	17.2	10.2	21.2	0.4	9.0	11.4
Morocco	1880	2.2	0.8	0.2	66.6	3.2	2.2	29.0	1.3	2.3	2.0
New Zealand	1122	14.0	2.5	2.4	57.5	18.9	14.0	22.6	0.9	15.6	12.4
Norway	667	13.7	4.9	3.4	48.9	22.0	13.7	28.5	0.6	13.7	13.7
Oman	1267	3.5	3.3	0.9	77.1	7.7	3.5	13.9	1.4	4.9	2.2
Qatar	771	9.1	4.4	1.0	68.2	14.5	9.1	16.6	0.8	11.6	6.6
Russian Federation	678	35.5	4.4	1.7	34.6	41.6	35.5	22.6	1.2	37.8	33.4
Saudi Arabia	538	0.3	2.0	0.0	75.0	2.3	0.3	21.6	1.1	0.0	0.5
Singapore	870	29.7	6.8	2.9	54.7	39.5	29.7	5.5	0.3	33.2	26.3
Slovenia	605	24.8	7.1	5.2	49.9	37.1	24.8	13.0	0.0	22.8	26.5
South Africa	1788	1.7	0.6	0.2	88.4	2.5	1.7	7.7	1.5	1.6	1.8
Sweden	573	10.2	3.1	2.8	49.3	16.1	10.2	33.1	1.4	10.6	9.9
Thailand	923	3.8	1.3	0.3	72.3	5.4	3.8	21.6	0.7	4.7	2.7
Turkey	858	5.7	2.7	2.3	73.0	10.7	5.7	16.1	0.2	5.3	6.1
United Arab Emirates	2573	9.1	5.1	1.2	67.4	15.4	9.1	17.0	0.2	8.9	9.4
United States	1453	16.2	7.1	3.3	65.8	26.5	16.2	6.6	1.1	17.2	15.0
International Avg (n=39)	36000	15.3	4.5	2.4	57.5	22.2	15.3	19.4	0.9	15.8	14.8
Buenos Aires, Argentina	459	1.8	1.1	0.0	30.9	2.9	1.8	57.9	8.3	0.9	2.9
Ontario, Canada	643	17.6	8.0	6.8	50.9	32.5	17.6	14.8	1.8	16.5	18.6
Quebec, Canada	556	24.3	10.6	7.1	46.2	42.0	24.3	9.7	2.0	23.5	25.0
Norway (8)	677	7.7	3.2	3.0	48.7	13.8	7.7	35.9	1.6	8.1	7.3
Abu Dhabi, UAE	692	5.6	5.7	0.5	71.0	11.7	5.6	17.0	0.3	6.2	4.9
Dubai, UAE	887	16.0	3.7	1.0	60.5	20.8	16.0	18.5	0.2	15.7	16.3
Florida, US	302	6.3	6.9	2.4	74.0	15.6	6.3	9.6	0.8	7.4	5.2

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.

M10_11 (M062173): Geometry / Reasoning Type: CR 1 Point
Label: Find angle x on a folded piece of paper

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	24.6	19.8	47.1	24.6	7.5	1.1	23.7	25.5
Bahrain	710	11.7	19.8	59.1	11.7	8.3	1.1	8.2	14.8
Botswana	853	7.1	25.3	61.7	7.1	3.0	2.8	3.4	10.6
Canada	1240	32.8	25.0	32.7	32.8	7.3	2.2	29.4	36.0
Chile	695	17.7	12.9	44.6	17.7	22.4	2.4	17.7	17.7
Chinese Taipei	820	65.5	18.9	10.7	65.5	4.9	0.0	66.1	64.9
Egypt	1125	10.1	14.9	59.8	10.1	13.7	1.5	11.5	8.6
England	697	29.3	29.4	34.7	29.3	5.8	0.8	30.7	27.8
Georgia	582	17.9	22.9	33.0	17.9	23.6	2.7	21.4	15.2
Hong Kong SAR	585	63.0	15.6	18.7	63.0	2.6	0.0	61.8	64.2
Hungary	697	35.9	17.9	37.2	35.9	8.8	0.2	35.9	35.8
Iran, Islamic Rep. of	866	15.4	43.5	27.1	15.4	11.1	2.9	15.1	15.6
Ireland	663	27.0	31.7	35.3	27.0	4.8	1.1	31.5	22.6
Israel	798	22.2	28.2	33.2	22.2	13.6	2.8	20.9	23.4
Italy	631	31.0	16.2	39.2	31.0	12.2	1.4	31.1	30.9
Japan	672	76.0	13.5	8.0	76.0	2.2	0.3	75.9	76.0
Jordan	1131	13.0	25.9	51.0	13.0	8.7	1.3	12.9	13.1
Kazakhstan	696	42.8	12.1	37.5	42.8	6.8	0.8	47.9	38.3
Korea, Rep. of	760	79.2	11.0	7.9	79.2	1.9	0.0	80.2	78.2
Kuwait	642	10.0	19.3	50.7	10.0	17.7	2.3	9.7	10.2
Lebanon	547	22.2	12.9	44.0	22.2	18.7	2.2	18.9	26.6
Lithuania	617	31.2	28.2	31.6	31.2	9.0	0.1	31.2	31.2
Malaysia	1393	18.9	19.5	50.0	18.9	9.0	2.7	19.3	18.4
Malta	538	23.2	35.8	32.4	23.2	7.8	0.8	24.5	21.9
Morocco	1881	13.9	14.8	52.5	13.9	17.2	1.7	13.6	14.3
New Zealand	1122	22.2	25.7	42.8	22.2	8.0	1.2	23.8	20.7
Norway	667	28.6	19.6	35.2	28.6	15.1	1.5	31.6	25.9
Oman	1268	12.6	24.6	54.1	12.6	7.1	1.6	11.9	13.2
Qatar	771	14.9	21.5	52.6	14.9	9.9	1.1	14.6	15.1
Russian Federation	678	35.1	27.1	26.4	35.1	9.7	1.8	36.7	33.6
Saudi Arabia	538	5.2	0.7	78.9	5.2	13.9	1.3	7.5	2.9
Singapore	870	72.0	16.2	9.8	72.0	1.6	0.3	73.4	70.6
Slovenia	605	37.3	24.1	32.5	37.3	5.6	0.5	35.3	39.0
South Africa	1788	6.0	14.1	74.5	6.0	3.5	1.9	6.6	5.4
Sweden	573	23.7	19.0	44.8	23.7	9.8	2.7	22.9	24.6
Thailand	923	15.0	18.0	56.6	15.0	9.3	1.1	16.8	12.8
Turkey	858	16.5	18.5	56.5	16.5	7.8	0.7	17.4	15.6
United Arab Emirates	2573	16.3	27.6	49.1	16.3	6.5	0.5	15.4	17.4
United States	1453	20.1	29.6	44.9	20.1	3.9	1.5	19.1	21.1
International Avg (n=39)	36002	27.4	21.1	41.0	27.4	9.2	1.4	27.6	27.2
Buenos Aires, Argentina	459	8.0	12.7	31.2	8.0	38.0	10.1	7.2	8.9
Ontario, Canada	643	30.3	25.6	34.9	30.3	6.9	2.4	27.0	33.2
Quebec, Canada	556	39.3	28.2	21.9	39.3	8.4	2.2	36.2	42.5
Norway (8)	677	24.5	20.2	37.1	24.5	16.4	1.8	25.8	22.9
Abu Dhabi, UAE	692	13.1	28.0	51.1	13.1	7.3	0.5	12.3	13.9
Dubai, UAE	887	24.8	31.0	38.4	24.8	5.3	0.4	22.6	27.1
Florida, US	302	13.3	26.0	54.8	13.3	4.9	1.0	16.0	10.5

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.

M10_12 (M062133): Data and Chance / Applying Type: MC Key: D
Label: Black and white marbles in a bag with replacement

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	51.8	8.8	14.8	21.6	51.8	1.6	1.4	51.9	51.6
Bahrain	710	45.8	11.6	14.7	25.1	45.8	1.3	1.5	51.0	41.1
Botswana	854	33.2	21.0	17.3	22.7	33.2	1.8	3.9	37.7	29.1
Canada	1237	53.5	9.9	12.6	19.6	53.5	1.7	2.8	50.4	56.3
Chile	695	38.5	13.4	20.1	22.3	38.5	3.1	2.7	40.5	37.0
Chinese Taipei	820	67.9	5.4	10.9	14.9	67.9	0.7	0.1	69.6	66.4
Egypt	1125	29.9	15.4	18.5	32.6	29.9	2.0	1.7	32.5	26.9
England	697	52.9	11.3	14.4	19.6	52.9	0.9	0.8	51.3	54.6
Georgia	582	35.7	22.5	13.3	22.8	35.7	2.4	3.2	35.9	35.6
Hong Kong SAR	585	68.5	7.3	10.7	13.1	68.5	0.3	0.2	66.5	70.4
Hungary	697	48.1	11.9	15.2	23.0	48.1	1.5	0.3	46.4	49.7
Iran, Islamic Rep. of	866	40.9	14.6	16.0	21.1	40.9	4.0	3.3	40.6	41.2
Ireland	663	55.5	10.5	9.9	21.6	55.5	1.3	1.2	53.7	57.3
Israel	798	50.5	11.8	13.8	18.0	50.5	2.6	3.4	49.7	51.4
Italy	631	52.5	11.9	13.8	18.1	52.5	2.2	1.6	50.3	54.4
Japan	672	68.2	5.8	8.4	16.4	68.2	0.9	0.3	67.3	69.2
Jordan	1131	28.7	20.1	16.1	30.8	28.7	2.7	1.6	29.6	27.8
Kazakhstan	696	51.8	13.1	10.6	21.2	51.8	2.5	0.9	53.6	50.1
Korea, Rep. of	760	67.1	6.2	8.0	18.1	67.1	0.6	0.0	64.7	69.4
Kuwait	642	25.4	18.2	19.8	30.4	25.4	3.4	2.7	30.2	21.0
Lebanon	547	25.0	16.7	18.4	27.1	25.0	10.1	2.7	25.5	24.4
Lithuania	617	48.8	16.8	12.8	19.2	48.8	2.3	0.1	48.9	48.7
Malaysia	1393	40.3	13.3	15.1	26.4	40.3	1.9	3.0	40.5	40.2
Malta	538	35.9	18.5	17.7	25.1	35.9	2.0	0.8	34.4	37.4
Morocco	1881	25.7	22.3	17.6	29.7	25.7	2.7	2.0	28.6	22.9
New Zealand	1122	49.7	10.4	14.7	22.8	49.7	1.1	1.3	53.1	46.3
Norway	667	51.3	9.1	11.8	22.1	51.3	3.4	2.3	51.2	51.4
Oman	1268	30.7	17.4	16.0	32.1	30.7	2.1	1.7	33.9	27.9
Qatar	771	40.1	14.2	18.7	24.0	40.1	1.7	1.3	44.5	35.5
Russian Federation	678	44.9	12.6	12.5	22.0	44.9	5.7	2.3	41.3	48.0
Saudi Arabia	538	32.3	16.5	23.0	26.2	32.3	0.5	1.4	35.3	29.1
Singapore	870	75.7	7.4	6.9	9.0	75.7	0.7	0.3	77.7	73.7
Slovenia	605	46.2	16.9	14.9	19.8	46.2	1.8	0.5	46.0	46.3
South Africa	1788	27.5	18.8	17.9	31.9	27.5	1.7	2.1	28.5	26.5
Sweden	573	46.9	7.2	12.0	24.2	46.9	6.9	2.8	43.2	50.6
Thailand	923	48.6	11.3	12.3	25.0	48.6	1.5	1.2	53.3	43.0
Turkey	858	45.6	14.8	13.4	24.6	45.6	1.0	0.7	45.5	45.6
United Arab Emirates	2573	36.8	17.6	16.6	25.8	36.8	2.5	0.6	38.1	35.5
United States	1453	52.8	11.0	13.3	19.6	52.8	0.9	2.5	52.6	53.1
International Avg (n=39)	36000	45.4	13.4	14.5	22.8	45.4	2.3	1.6	46.0	44.8
Buenos Aires, Argentina	451	21.7	18.1	15.6	24.9	21.7	9.4	10.2	22.5	20.9
Ontario, Canada	643	51.4	9.8	14.4	19.5	51.4	1.5	3.4	49.7	53.0
Quebec, Canada	553	62.5	9.5	8.0	16.2	62.5	2.0	1.7	59.1	66.0
Norway (8)	677	48.5	10.3	11.3	22.9	48.5	5.0	2.1	43.1	53.0
Abu Dhabi, UAE	692	32.2	18.3	17.8	27.6	32.2	3.6	0.5	38.3	26.0
Dubai, UAE	887	45.8	13.1	13.2	24.6	45.8	2.6	0.6	46.6	45.0
Florida, US	302	52.4	9.1	11.9	24.1	52.4	0.9	1.5	51.8	53.1

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

M10_13A (M062123A): Data and Chance / Knowing Type: MC Key: C
Label: Relay race - mean time of runners

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	57.7	15.1	20.6	57.7	4.0	1.0	1.6	57.6	57.8
Bahrain	710	48.5	20.9	19.1	48.5	9.2	0.7	1.5	51.2	46.1
Botswana	854	35.3	32.0	13.9	35.3	12.2	1.8	4.7	38.2	32.6
Canada	1237	70.0	11.3	13.0	70.0	1.8	0.7	3.3	76.0	64.3
Chile	695	39.2	24.8	24.8	39.2	6.7	1.6	2.9	37.1	40.8
Chinese Taipei	820	80.6	4.4	12.8	80.6	1.6	0.4	0.2	82.6	78.7
Egypt	1124	37.6	20.7	25.3	37.6	12.5	2.1	1.9	39.7	35.3
England	697	62.1	17.0	15.1	62.1	3.6	1.4	0.8	64.5	59.4
Georgia	582	45.7	17.8	23.6	45.7	6.6	2.9	3.3	43.2	47.7
Hong Kong SAR	585	88.2	2.3	7.0	88.2	2.0	0.2	0.3	87.8	88.7
Hungary	697	68.0	12.2	14.7	68.0	4.4	0.1	0.6	70.9	65.0
Iran, Islamic Rep. of	867	55.2	14.1	15.3	55.2	6.7	3.9	4.8	56.1	54.4
Ireland	663	64.6	14.0	15.1	64.6	3.3	1.4	1.6	65.1	64.2
Israel	798	69.1	9.8	11.2	69.1	3.5	2.8	3.5	67.9	70.3
Italy	631	60.5	12.8	18.5	60.5	4.2	2.0	2.0	60.3	60.7
Japan	672	81.8	2.5	14.3	81.8	0.9	0.0	0.4	81.7	81.8
Jordan	1131	33.6	24.7	24.3	33.6	13.2	2.0	2.1	34.7	32.4
Kazakhstan	696	61.3	11.6	18.5	61.3	6.2	1.4	1.0	62.9	59.8
Korea, Rep. of	760	84.5	2.7	10.8	84.5	1.7	0.0	0.2	85.5	83.6
Kuwait	644	37.4	19.7	25.0	37.4	11.7	3.4	2.8	36.7	38.2
Lebanon	548	35.9	22.4	20.3	35.9	8.7	8.2	4.4	36.1	35.7
Lithuania	618	71.0	7.7	15.5	71.0	3.8	1.5	0.5	68.7	73.3
Malaysia	1393	56.8	14.0	12.2	56.8	10.9	2.5	3.5	65.4	48.9
Malta	538	57.4	17.4	17.0	57.4	5.6	1.7	0.9	60.0	54.8
Morocco	1881	28.2	31.8	20.8	28.2	13.7	3.4	2.2	29.5	26.9
New Zealand	1122	51.8	18.4	21.7	51.8	4.0	2.7	1.4	55.0	48.8
Norway	667	70.0	6.0	16.6	70.0	1.7	2.7	3.0	74.6	65.8
Oman	1268	47.3	19.3	19.1	47.3	11.3	1.1	1.9	54.1	41.4
Qatar	771	46.6	21.4	18.8	46.6	8.8	3.1	1.4	48.6	44.6
Russian Federation	678	64.0	7.8	19.4	64.0	3.5	2.5	2.8	64.3	63.8
Saudi Arabia	538	37.0	23.2	24.2	37.0	13.8	0.4	1.4	40.9	32.9
Singapore	870	88.3	3.6	4.8	88.3	2.4	0.4	0.4	91.9	84.8
Slovenia	605	66.4	6.6	21.7	66.4	3.1	1.4	0.8	65.6	67.1
South Africa	1788	37.8	33.0	16.4	37.8	9.2	1.1	2.5	39.7	35.8
Sweden	573	64.0	7.8	18.7	64.0	4.1	2.2	3.3	61.6	66.3
Thailand	923	35.0	28.6	25.3	35.0	7.6	2.2	1.2	33.1	37.3
Turkey	858	51.0	16.9	23.7	51.0	6.9	0.8	0.7	49.3	52.7
United Arab Emirates	2573	46.7	21.8	19.3	46.7	9.4	2.0	0.8	47.3	46.1
United States	1453	64.2	11.5	17.1	64.2	3.5	0.8	3.0	66.1	62.2
International Avg (n=39)	36004	56.4	15.6	17.8	56.4	6.4	1.8	1.9	57.7	55.1
Buenos Aires, Argentina	443	23.6	26.3	18.3	23.6	7.2	13.0	11.6	23.5	23.6
Ontario, Canada	643	67.0	13.2	12.7	67.0	2.4	0.8	3.9	74.3	60.4
Quebec, Canada	553	84.3	4.7	6.9	84.3	1.0	0.9	2.2	86.0	82.6
Norway (8)	677	63.7	6.2	21.4	63.7	3.0	3.1	2.6	68.6	59.1
Abu Dhabi, UAE	692	41.3	24.8	21.3	41.3	9.7	2.4	0.5	42.3	40.3
Dubai, UAE	887	53.5	17.8	17.7	53.5	7.4	2.5	1.2	52.8	54.2
Florida, US	302	55.4	16.9	18.3	55.4	5.3	2.5	1.5	60.5	50.1

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

M10_13B (M062123B): Data and Chance / Applying Type: MC Key: B
Label: Relay race - mean time when 2 runners improve

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1476	37.3	3.9	37.3	26.5	29.2	1.2	2.0	35.1	39.7
Bahrain	710	19.7	6.8	19.7	36.1	34.9	0.7	1.8	16.1	22.8
Botswana	854	12.0	5.2	12.0	34.2	42.0	0.7	5.9	12.7	11.4
Canada	1236	45.6	3.5	45.6	22.7	23.9	0.8	3.6	41.6	49.3
Chile	695	28.4	5.9	28.4	33.6	27.5	1.1	3.4	25.0	31.1
Chinese Taipei	820	70.0	4.4	70.0	12.7	12.5	0.2	0.2	71.2	68.9
Egypt	1124	22.6	10.1	22.6	34.9	28.6	1.7	2.1	21.9	23.3
England	697	34.3	4.1	34.3	27.7	31.7	0.8	1.4	32.3	36.4
Georgia	582	27.5	5.5	27.5	35.9	25.5	2.0	3.7	24.6	29.6
Hong Kong SAR	585	75.6	3.9	75.6	10.6	9.2	0.4	0.3	72.9	78.0
Hungary	697	41.8	2.0	41.8	26.5	29.0	0.0	0.7	36.5	47.0
Iran, Islamic Rep. of	867	24.7	5.9	24.7	27.2	33.4	2.1	6.8	23.1	26.3
Ireland	663	37.0	3.5	37.0	20.8	35.3	1.7	1.7	35.5	38.4
Israel	798	48.8	3.8	48.8	23.5	17.2	1.9	4.7	43.8	53.8
Italy	631	44.3	3.1	44.3	19.3	29.3	1.2	2.9	39.4	48.8
Japan	672	70.9	3.0	70.9	15.8	9.8	0.1	0.4	70.0	71.8
Jordan	1131	18.1	9.5	18.1	40.6	27.9	1.3	2.6	17.0	19.4
Kazakhstan	696	42.1	5.6	42.1	32.9	16.7	1.4	1.3	41.1	43.0
Korea, Rep. of	760	68.7	2.8	68.7	18.3	9.7	0.3	0.2	65.4	71.7
Kuwait	644	22.0	6.7	22.0	34.1	31.6	2.2	3.4	18.5	25.1
Lebanon	546	15.7	7.3	15.7	34.3	30.6	6.0	6.1	14.4	17.4
Lithuania	618	45.0	5.0	45.0	27.2	20.8	1.1	0.9	40.3	49.6
Malaysia	1393	28.1	5.6	28.1	34.2	25.3	1.3	5.5	28.6	27.5
Malta	538	30.4	2.8	30.4	32.3	31.6	1.1	1.7	26.6	34.3
Morocco	1881	16.5	6.6	16.5	46.3	24.9	2.4	3.3	17.5	15.6
New Zealand	1122	35.1	2.4	35.1	31.3	27.1	2.2	1.9	32.6	37.5
Norway	667	59.8	2.9	59.8	19.4	12.3	2.2	3.3	59.3	60.3
Oman	1268	20.2	6.8	20.2	33.6	35.9	1.0	2.5	18.5	21.7
Qatar	771	24.9	7.3	24.9	36.7	27.6	1.4	2.2	24.9	24.8
Russian Federation	678	42.3	3.8	42.3	26.3	22.2	1.8	3.6	39.4	44.9
Saudi Arabia	537	18.9	5.0	18.9	37.0	37.1	0.2	1.6	14.8	23.3
Singapore	870	71.5	3.3	71.5	11.7	12.7	0.4	0.4	73.1	69.9
Slovenia	605	52.6	3.5	52.6	21.3	20.2	1.3	1.0	48.3	56.2
South Africa	1788	10.4	4.9	10.4	33.1	48.0	0.7	2.8	9.1	11.8
Sweden	573	54.0	5.5	54.0	20.9	13.9	1.6	4.1	49.5	58.5
Thailand	923	25.2	8.2	25.2	36.6	26.5	1.5	2.1	23.3	27.4
Turkey	858	34.9	7.2	34.9	31.0	25.3	0.4	1.1	30.8	39.1
United Arab Emirates	2573	27.0	7.3	27.0	36.1	26.9	1.5	1.3	23.7	30.3
United States	1453	41.9	5.5	41.9	23.8	24.9	0.5	3.3	38.4	45.7
International Avg (n=39)	36000	37.1	5.1	37.1	28.4	25.6	1.3	2.5	34.8	39.3
Buenos Aires, Argentina	446	14.3	6.5	14.3	27.0	27.6	8.2	16.5	11.6	17.2
Ontario, Canada	643	41.8	4.0	41.8	25.1	24.1	0.6	4.4	39.8	43.6
Quebec, Canada	552	56.2	3.4	56.2	15.4	21.8	1.0	2.2	47.6	65.1
Norway (8)	677	48.1	3.3	48.1	24.4	16.2	4.0	4.1	46.5	49.5
Abu Dhabi, UAE	692	23.4	8.1	23.4	41.3	24.2	1.9	1.0	22.2	24.6
Dubai, UAE	887	34.6	4.9	34.6	30.9	26.3	1.5	1.8	32.8	36.6
Florida, US	302	37.1	4.7	37.1	30.4	23.9	1.6	2.4	40.4	33.5

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

M11_01 (M052079): Number / Applying Type: MC Key: B
Label: Length of shorter string piece

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	62.7	17.9	62.7	10.4	5.6	3.4	0.0	64.2	61.0
Bahrain	695	46.8	26.1	46.8	16.8	8.8	1.5	0.0	43.7	49.7
Botswana	855	46.9	23.9	46.9	19.0	7.5	2.7	0.0	45.7	48.1
Canada	1249	56.4	19.0	56.4	10.6	9.2	4.6	0.3	57.2	55.5
Chile	701	56.2	26.5	56.2	8.8	3.7	4.7	0.1	53.4	58.6
Chinese Taipei	819	77.7	11.1	77.7	4.9	6.0	0.2	0.0	78.2	77.3
Egypt	1142	38.4	23.2	38.4	23.2	12.9	2.1	0.3	38.9	37.8
England	694	62.0	17.9	62.0	11.0	5.7	3.3	0.0	59.5	64.8
Georgia	574	53.1	27.2	53.1	12.1	4.2	3.4	0.0	50.8	55.0
Hong Kong SAR	581	69.8	8.4	69.8	8.0	12.6	1.1	0.0	72.2	67.4
Hungary	706	67.3	15.6	67.3	9.8	6.1	1.3	0.0	69.4	65.0
Iran, Islamic Rep. of	863	54.8	14.7	54.8	13.9	10.7	5.9	0.0	52.4	56.9
Ireland	663	62.2	18.1	62.2	9.1	8.8	1.9	0.0	61.2	63.1
Israel	796	66.5	14.2	66.5	9.3	5.4	4.2	0.4	60.8	72.3
Italy	640	49.0	17.1	49.0	8.6	21.5	3.7	0.0	49.4	48.7
Japan	683	79.6	3.1	79.6	10.8	6.3	0.2	0.0	78.0	81.4
Jordan	1122	36.5	34.7	36.5	15.7	9.4	3.5	0.1	35.0	38.2
Kazakhstan	695	62.2	13.3	62.2	11.4	11.1	1.9	0.1	59.0	65.0
Korea, Rep. of	766	85.3	4.2	85.3	4.4	6.0	0.0	0.0	86.6	84.0
Kuwait	648	34.4	25.3	34.4	25.2	9.6	5.2	0.3	28.0	40.7
Lebanon	552	35.8	28.6	35.8	12.0	9.0	14.2	0.4	33.6	38.2
Lithuania	611	58.6	19.3	58.6	9.7	9.4	3.0	0.0	58.8	58.4
Malaysia	1394	51.4	22.1	51.4	17.2	6.8	2.5	0.0	51.2	51.6
Malta	545	56.1	22.5	56.1	10.4	8.5	2.6	0.0	53.9	58.2
Morocco	1893	30.5	33.7	30.5	18.0	11.6	6.2	0.0	23.5	36.4
New Zealand	1144	57.4	19.2	57.4	14.2	5.0	3.9	0.2	60.0	55.1
Norway	678	50.3	28.1	50.3	9.6	8.2	3.8	0.0	50.4	50.1
Oman	1263	31.9	26.3	31.9	20.9	16.7	4.0	0.2	27.2	36.0
Qatar	772	50.7	20.3	50.7	14.4	10.7	3.8	0.2	51.6	49.7
Russian Federation	675	65.9	11.7	65.9	7.1	11.0	3.9	0.3	62.7	69.0
Saudi Arabia	543	35.1	31.3	35.1	22.1	10.1	1.3	0.1	31.1	39.1
Singapore	870	90.7	4.6	90.7	2.4	2.2	0.2	0.0	91.8	89.5
Slovenia	603	61.3	20.7	61.3	8.3	7.3	2.3	0.0	60.4	62.0
South Africa	1797	35.5	34.5	35.5	22.4	5.3	2.3	0.0	38.1	32.5
Sweden	583	50.4	24.5	50.4	10.9	8.3	5.8	0.1	48.7	51.8
Thailand	923	47.7	16.5	47.7	23.2	10.9	1.6	0.1	47.3	48.3
Turkey	864	36.5	26.5	36.5	15.7	19.5	1.7	0.0	35.6	37.6
United Arab Emirates	2568	48.1	23.2	48.1	13.3	12.1	3.3	0.0	47.5	48.7
United States	1456	58.8	20.3	58.8	10.7	8.3	1.9	0.2	58.6	58.9
International Avg (n=39)	36100	54.4	20.4	54.4	13.0	9.0	3.2	0.1	53.2	55.4
Buenos Aires, Argentina	454	31.2	23.2	31.2	16.1	3.3	24.2	1.9	35.7	27.2
Ontario, Canada	647	61.0	18.3	61.0	12.7	5.0	2.7	0.2	61.2	60.8
Quebec, Canada	558	47.2	22.2	47.2	4.4	17.7	8.5	0.0	47.1	47.3
Norway (8)	672	54.9	25.9	54.9	8.4	5.8	4.9	0.1	57.2	52.8
Abu Dhabi, UAE	690	44.4	26.0	44.4	13.9	12.6	3.1	0.0	43.8	45.1
Dubai, UAE	884	61.7	15.6	61.7	9.3	10.7	2.8	0.0	63.3	60.0
Florida, US	302	54.7	20.3	54.7	11.0	12.5	1.6	0.0	60.0	48.5

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

M11_02 (M052204): Number / Knowing Type: MC Key: C
Label: Which is a prime number

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	56.1	24.8	14.4	56.1	3.0	1.7	0.0	57.5	54.7
Bahrain	695	66.7	22.0	7.9	66.7	2.1	1.3	0.0	66.5	66.8
Botswana	855	49.1	35.5	10.7	49.1	3.7	1.0	0.0	54.3	44.0
Canada	1231	48.0	36.5	11.7	48.0	2.4	1.0	0.3	45.0	51.2
Chile	701	33.7	25.2	34.0	33.7	4.1	3.0	0.1	31.8	35.2
Chinese Taipei	819	85.6	10.5	2.3	85.6	1.5	0.1	0.0	89.9	81.6
Egypt	1142	44.2	41.0	8.4	44.2	5.2	0.9	0.3	46.5	41.6
England	694	67.5	20.8	7.9	67.5	1.9	1.9	0.0	65.0	70.1
Georgia	574	39.0	42.0	15.4	39.0	2.0	1.6	0.0	42.2	36.5
Hong Kong SAR	581	68.5	24.2	3.7	68.5	3.1	0.4	0.1	68.6	68.4
Hungary	706	61.5	21.9	10.3	61.5	2.6	3.7	0.0	61.1	61.8
Iran, Islamic Rep. of	863	69.2	19.2	6.9	69.2	3.4	1.1	0.1	75.6	63.5
Ireland	663	66.1	20.6	9.7	66.1	2.0	1.6	0.0	70.6	61.8
Israel	796	40.6	41.4	9.2	40.6	4.4	4.0	0.4	36.7	44.5
Italy	640	52.1	31.7	12.1	52.1	2.2	1.9	0.0	47.1	57.1
Japan	683	50.6	39.7	5.5	50.6	1.9	2.4	0.0	49.3	52.0
Jordan	1122	36.2	48.0	8.7	36.2	4.7	2.3	0.1	44.2	27.8
Kazakhstan	695	47.6	44.8	5.1	47.6	1.2	1.1	0.1	41.4	53.2
Korea, Rep. of	766	81.7	13.8	3.2	81.7	0.8	0.5	0.0	82.5	80.8
Kuwait	648	40.5	38.6	13.0	40.5	3.6	3.9	0.3	41.7	39.4
Lebanon	552	41.5	26.1	12.5	41.5	4.4	15.0	0.6	40.6	42.4
Lithuania	611	18.2	69.2	7.6	18.2	3.7	1.3	0.0	20.2	16.1
Malaysia	1394	43.2	25.0	23.4	43.2	7.3	1.2	0.0	43.4	43.0
Malta	545	52.6	29.2	11.6	52.6	4.9	1.7	0.0	52.6	52.7
Morocco	1893	19.1	58.4	12.2	19.1	5.0	5.3	0.0	19.4	18.8
New Zealand	1144	55.3	24.2	15.5	55.3	3.1	1.7	0.2	56.3	54.4
Norway	678	60.5	16.6	8.7	60.5	1.5	12.5	0.1	62.0	59.1
Oman	1263	47.9	39.7	8.0	47.9	3.0	1.3	0.2	53.6	42.8
Qatar	772	41.5	38.7	13.9	41.5	3.6	2.0	0.2	43.2	39.8
Russian Federation	675	29.6	60.4	6.5	29.6	0.9	2.2	0.3	33.2	26.1
Saudi Arabia	541	26.3	52.1	14.5	26.3	6.9	0.2	0.1	26.9	25.7
Singapore	870	78.1	15.1	5.2	78.1	1.4	0.2	0.0	80.2	75.7
Slovenia	603	55.7	32.1	3.9	55.7	5.2	3.1	0.0	54.8	56.6
South Africa	1797	34.6	45.0	14.5	34.6	4.9	0.9	0.0	36.9	32.0
Sweden	583	46.1	21.9	17.6	46.1	5.7	8.5	0.1	47.7	44.6
Thailand	923	56.4	29.3	10.5	56.4	3.7	0.0	0.1	57.8	54.7
Turkey	864	51.1	30.6	8.2	51.1	9.3	0.9	0.0	50.0	52.2
United Arab Emirates	2568	49.1	32.8	11.6	49.1	4.5	2.0	0.0	48.0	50.2
United States	1456	48.4	31.4	14.7	48.4	4.1	1.3	0.2	51.1	45.7
International Avg (n=39)	36080	50.2	32.8	10.8	50.2	3.6	2.5	0.1	51.2	49.4
Buenos Aires, Argentina	457	42.6	20.2	17.2	42.6	3.1	14.7	2.1	42.4	42.9
Ontario, Canada	636	49.1	35.0	11.5	49.1	2.9	1.2	0.2	45.3	53.1
Quebec, Canada	552	49.8	37.4	10.2	49.8	1.5	1.1	0.1	47.5	52.5
Norway (8)	672	58.4	15.3	7.1	58.4	1.0	18.0	0.2	55.0	61.5
Abu Dhabi, UAE	690	45.6	31.4	15.0	45.6	5.5	2.6	0.0	46.0	45.1
Dubai, UAE	884	60.2	29.8	5.6	60.2	2.6	1.7	0.0	60.1	60.4
Florida, US	302	42.4	34.6	15.5	42.4	6.0	1.4	0.0	41.4	43.7

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

M11_03 (M052364): Number / Applying Type: CR 1 Point
Label: Answer to Robert's problem

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	69.4	12.7	13.5	69.4	4.4	0.0	67.8	71.1
Bahrain	695	25.0	27.1	39.3	25.0	8.6	0.0	23.4	26.5
Botswana	855	27.8	26.9	43.2	27.8	2.1	0.0	29.3	26.2
Canada	1250	75.3	13.5	6.8	75.3	4.1	0.3	73.7	77.1
Chile	701	49.0	5.6	27.0	49.0	18.4	0.1	47.0	50.6
Chinese Taipei	819	85.6	3.7	7.1	85.6	3.6	0.0	84.7	86.4
Egypt	1142	14.2	23.0	50.8	14.2	11.8	0.3	14.9	13.2
England	694	77.2	5.2	14.0	77.2	3.5	0.0	77.0	77.5
Georgia	574	51.5	11.8	26.3	51.5	10.4	0.0	54.3	49.3
Hong Kong SAR	581	75.3	15.0	8.4	75.3	1.2	0.1	72.9	77.7
Hungary	706	68.5	11.2	13.6	68.5	6.6	0.0	68.9	68.2
Iran, Islamic Rep. of	863	28.0	41.9	19.9	28.0	10.0	0.1	29.0	27.1
Ireland	663	77.6	13.8	7.1	77.6	1.5	0.0	75.4	79.8
Israel	796	52.8	12.6	25.3	52.8	8.9	0.4	49.2	56.5
Italy	640	74.4	14.1	5.2	74.4	6.4	0.0	68.7	80.2
Japan	683	50.5	33.5	14.9	50.5	1.1	0.0	50.7	50.2
Jordan	1122	17.1	24.3	49.0	17.1	9.4	0.1	18.3	15.9
Kazakhstan	695	55.2	3.2	36.6	55.2	5.0	0.1	54.2	56.0
Korea, Rep. of	766	90.1	2.4	5.9	90.1	1.5	0.0	91.4	89.0
Kuwait	648	17.0	31.1	35.3	17.0	16.3	0.3	18.1	16.0
Lebanon	552	28.2	17.3	30.8	28.2	23.2	0.6	27.1	29.4
Lithuania	611	74.6	9.8	11.8	74.6	3.9	0.0	72.2	76.9
Malaysia	1394	28.7	20.7	39.4	28.7	11.1	0.0	29.0	28.4
Malta	545	62.2	12.0	18.3	62.2	7.5	0.0	62.6	61.7
Morocco	1893	11.4	34.7	39.9	11.4	14.0	0.0	10.0	12.6
New Zealand	1144	68.6	9.9	16.5	68.6	4.8	0.2	69.4	67.8
Norway	678	58.6	20.2	15.7	58.6	5.3	0.1	57.1	60.2
Oman	1258	17.3	22.4	51.6	17.3	8.5	0.2	18.7	16.0
Qatar	772	35.1	25.3	32.8	35.1	6.6	0.2	36.9	33.3
Russian Federation	675	77.5	9.7	7.8	77.5	4.7	0.3	74.0	81.0
Saudi Arabia	543	14.8	16.7	58.1	14.8	10.3	0.1	17.4	12.2
Singapore	870	82.0	11.2	5.6	82.0	1.2	0.0	80.9	83.2
Slovenia	603	57.7	26.1	11.5	57.7	4.8	0.0	54.4	60.4
South Africa	1797	22.4	11.8	62.8	22.4	3.0	0.0	23.5	21.1
Sweden	582	68.1	11.8	13.4	68.1	6.5	0.1	66.7	69.2
Thailand	923	23.7	17.7	48.0	23.7	10.5	0.1	22.7	24.7
Turkey	864	54.4	13.2	24.4	54.4	8.0	0.0	56.8	51.7
United Arab Emirates	2568	41.6	23.1	29.7	41.6	5.6	0.0	43.3	39.8
United States	1456	72.7	12.8	12.3	72.7	1.9	0.2	73.6	71.9
International Avg (n=39)	36095	50.8	16.9	25.1	50.8	7.1	0.1	50.4	51.2
Buenos Aires, Argentina	460	44.7	13.3	15.2	44.7	23.9	2.8	45.5	44.0
Ontario, Canada	647	77.0	10.5	9.0	77.0	3.2	0.2	75.5	78.6
Quebec, Canada	559	73.2	19.4	3.2	73.2	4.2	0.1	70.9	76.0
Norway (8)	672	50.8	24.3	18.0	50.8	6.7	0.2	50.3	51.2
Abu Dhabi, UAE	690	32.8	25.1	35.4	32.8	6.7	0.0	37.7	27.6
Dubai, UAE	884	61.4	15.6	20.3	61.4	2.8	0.0	61.3	61.4
Florida, US	302	70.1	12.7	13.9	70.1	3.3	0.0	73.3	66.4

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.

M11_04 (M052215): Number / Knowing Type: CR 1 Point
Label: Fraction of diagram shaded

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	66.1	31.8	66.1	2.0	0.0	66.6	65.6
Bahrain	695	55.7	38.4	55.7	5.9	0.0	61.0	50.7
Botswana	855	40.3	57.8	40.3	1.9	0.0	47.8	33.0
Canada	1250	78.5	20.0	78.5	1.1	0.4	80.3	76.5
Chile	701	46.4	39.8	46.4	13.6	0.1	52.4	41.4
Chinese Taipei	819	76.0	23.3	76.0	0.7	0.0	77.5	74.6
Egypt	1141	19.4	69.2	19.4	11.1	0.3	21.4	17.1
England	694	69.1	29.0	69.1	1.9	0.0	72.0	65.9
Georgia	574	40.4	48.9	40.4	10.8	0.0	43.7	37.7
Hong Kong SAR	581	86.4	13.2	86.4	0.3	0.1	86.2	86.6
Hungary	706	41.4	50.1	41.4	8.5	0.0	41.8	41.0
Iran, Islamic Rep. of	863	63.6	32.8	63.6	3.5	0.1	68.5	59.2
Ireland	663	74.9	24.6	74.9	0.5	0.0	75.6	74.1
Israel	796	62.6	31.1	62.6	5.9	0.4	65.9	59.2
Italy	640	66.6	29.1	66.6	4.3	0.0	69.9	63.3
Japan	683	57.8	40.2	57.8	2.0	0.0	59.0	56.5
Jordan	1122	43.8	50.4	43.8	5.8	0.1	52.4	34.8
Kazakhstan	695	43.5	51.1	43.5	5.3	0.1	45.7	41.6
Korea, Rep. of	766	92.6	7.1	92.6	0.3	0.0	94.3	91.0
Kuwait	649	45.2	42.4	45.2	11.6	0.8	50.2	40.2
Lebanon	552	33.1	49.6	33.1	16.3	1.0	35.7	30.2
Lithuania	611	62.9	33.9	62.9	3.2	0.0	66.0	59.9
Malaysia	1394	60.4	35.5	60.4	4.1	0.0	67.3	53.5
Malta	545	75.2	23.0	75.2	1.9	0.0	76.8	73.5
Morocco	1894	24.1	65.6	24.1	10.3	0.0	24.8	23.4
New Zealand	1144	67.4	30.9	67.4	1.5	0.2	69.3	65.6
Norway	678	71.8	25.9	71.8	2.2	0.1	74.7	68.8
Oman	1257	37.9	56.0	37.9	5.9	0.2	46.2	30.5
Qatar	772	47.8	47.4	47.8	4.6	0.3	53.9	41.6
Russian Federation	675	53.1	40.4	53.1	6.2	0.3	53.5	52.7
Saudi Arabia	542	23.7	67.3	23.7	9.0	0.1	30.7	16.7
Singapore	870	89.2	10.6	89.2	0.2	0.0	89.0	89.5
Slovenia	603	69.8	27.2	69.8	3.0	0.0	71.4	68.5
South Africa	1797	28.2	66.7	28.2	5.1	0.0	34.7	20.6
Sweden	582	68.1	30.1	68.1	1.5	0.3	65.9	70.0
Thailand	923	48.8	47.6	48.8	3.5	0.1	55.0	41.4
Turkey	864	46.7	44.4	46.7	8.8	0.0	55.2	37.7
United Arab Emirates	2567	54.9	41.6	54.9	3.5	0.0	61.3	48.0
United States	1456	67.0	32.0	67.0	0.8	0.2	70.0	64.0
International Avg (n=39)	36093	56.4	38.6	56.4	4.8	0.1	59.8	53.0
Buenos Aires, Argentina	461	43.1	36.7	43.1	16.7	3.5	43.8	42.5
Ontario, Canada	647	77.0	21.1	77.0	1.5	0.4	80.5	73.4
Quebec, Canada	559	81.6	17.7	81.6	0.6	0.1	81.3	82.0
Norway (8)	672	70.0	26.7	70.0	3.2	0.2	76.1	64.7
Abu Dhabi, UAE	690	50.0	45.4	50.0	4.7	0.0	64.0	35.5
Dubai, UAE	883	67.0	31.3	67.0	1.8	0.0	67.6	66.2
Florida, US	302	63.3	35.7	63.3	0.9	0.0	66.8	59.3

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.

M11_05 (M052147): Number / Applying Type: MC Key: B
Label: Which statement is true

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	40.4	9.2	40.4	15.4	32.7	2.3	0.0	37.2	43.8
Bahrain	695	51.4	10.3	51.4	16.1	20.3	1.8	0.0	47.8	54.8
Botswana	855	41.3	20.7	41.3	22.0	15.3	0.7	0.0	43.4	39.1
Canada	1236	49.7	7.3	49.7	12.4	28.3	1.9	0.4	52.8	46.4
Chile	701	34.7	17.3	34.7	16.7	28.9	2.2	0.1	32.8	36.3
Chinese Taipei	819	71.8	7.3	71.8	5.1	15.6	0.2	0.0	73.0	70.7
Egypt	1141	32.2	17.2	32.2	26.4	21.8	2.1	0.3	30.1	34.6
England	694	50.7	6.3	50.7	9.2	29.0	4.7	0.0	51.7	49.8
Georgia	574	45.8	10.4	45.8	11.5	26.7	5.7	0.0	46.8	44.9
Hong Kong SAR	581	77.7	6.8	77.7	5.8	9.4	0.2	0.1	76.9	78.6
Hungary	706	50.2	7.0	50.2	10.7	29.3	2.8	0.0	51.4	49.1
Iran, Islamic Rep. of	863	24.6	12.4	24.6	26.3	31.4	5.2	0.1	24.8	24.4
Ireland	663	54.5	8.7	54.5	11.2	23.9	1.7	0.0	55.2	53.8
Israel	796	54.1	7.5	54.1	10.0	24.2	3.7	0.5	58.8	49.3
Italy	640	42.2	11.1	42.2	13.7	28.7	4.3	0.0	35.9	48.4
Japan	683	56.5	10.2	56.5	9.1	22.3	1.9	0.0	56.4	56.6
Jordan	1122	30.6	17.6	30.6	23.5	24.3	4.0	0.1	28.6	32.6
Kazakhstan	695	58.9	11.1	58.9	8.2	20.4	1.3	0.1	57.2	60.5
Korea, Rep. of	766	64.8	5.2	64.8	9.1	20.1	0.8	0.0	64.5	65.1
Kuwait	649	34.5	23.4	34.5	18.6	19.0	3.6	0.9	38.5	30.8
Lebanon	552	31.3	10.8	31.3	17.7	19.5	19.5	1.2	31.5	31.1
Lithuania	611	44.0	15.4	44.0	11.9	25.5	3.1	0.0	47.8	40.4
Malaysia	1394	57.2	21.7	57.2	10.7	8.4	2.0	0.1	61.0	53.3
Malta	545	55.6	9.5	55.6	11.8	19.2	3.9	0.0	63.0	48.6
Morocco	1894	30.3	21.7	30.3	19.5	23.7	4.8	0.0	31.1	29.6
New Zealand	1144	43.1	9.1	43.1	14.2	30.1	3.3	0.2	41.6	44.4
Norway	678	45.7	5.2	45.7	9.2	35.4	4.2	0.2	48.1	43.3
Oman	1263	35.3	17.7	35.3	24.4	20.1	2.4	0.2	35.9	34.7
Qatar	772	46.4	17.3	46.4	14.4	19.6	2.1	0.3	49.1	43.6
Russian Federation	675	54.1	8.3	54.1	13.1	20.5	3.7	0.3	52.4	55.8
Saudi Arabia	540	28.3	23.2	28.3	26.3	21.4	0.7	0.1	31.0	25.7
Singapore	870	83.7	4.8	83.7	4.5	6.7	0.3	0.0	85.5	81.7
Slovenia	603	47.0	8.3	47.0	11.2	30.2	3.3	0.0	49.0	45.3
South Africa	1797	34.0	19.7	34.0	25.6	18.1	2.7	0.0	38.0	29.3
Sweden	583	44.2	5.4	44.2	10.8	33.9	5.4	0.3	39.6	48.2
Thailand	923	40.1	15.3	40.1	20.5	21.5	2.5	0.1	42.5	37.2
Turkey	864	33.9	14.3	33.9	16.4	34.2	1.2	0.0	34.3	33.6
United Arab Emirates	2565	47.3	15.8	47.3	15.5	18.5	3.0	0.0	50.4	44.0
United States	1456	45.1	8.8	45.1	12.7	32.0	1.2	0.3	44.9	45.2
International Avg (n=39)	36082	46.5	12.3	46.5	14.6	23.3	3.1	0.1	47.2	45.8
Buenos Aires, Argentina	452	29.4	13.7	29.4	13.4	22.7	17.8	3.0	30.3	28.6
Ontario, Canada	642	44.3	7.9	44.3	13.6	32.2	1.6	0.4	47.0	41.5
Quebec, Canada	551	65.0	6.1	65.0	9.4	16.5	3.0	0.1	68.7	60.7
Norway (8)	672	40.5	8.4	40.5	8.5	38.5	3.9	0.2	38.7	42.2
Abu Dhabi, UAE	690	41.9	19.2	41.9	18.0	19.4	1.6	0.0	46.9	36.6
Dubai, UAE	881	58.1	10.3	58.1	10.7	18.8	2.2	0.0	62.4	53.2
Florida, US	302	40.6	15.3	40.6	15.2	27.9	1.0	0.0	41.1	39.9

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

M11_06 (M052067): Algebra / Knowing Type: MC Key: B
Label: Value of given expression

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	58.1	2.7	58.1	9.7	26.7	2.8	0.0	56.1	60.0
Bahrain	695	65.2	5.5	65.2	5.7	21.0	2.6	0.0	65.0	65.4
Botswana	855	25.2	6.7	25.2	9.0	57.0	2.2	0.0	27.5	23.0
Canada	1249	64.9	3.6	64.9	8.8	19.3	2.7	0.7	64.4	65.5
Chile	701	47.6	9.0	47.6	9.3	29.7	4.2	0.1	44.9	49.8
Chinese Taipei	819	86.2	1.9	86.2	5.0	6.8	0.1	0.0	87.3	85.3
Egypt	1141	57.7	6.6	57.7	12.2	22.1	1.1	0.3	62.7	52.0
England	694	66.3	1.5	66.3	6.6	23.0	2.7	0.0	71.5	60.6
Georgia	574	69.9	4.3	69.9	6.4	16.9	2.5	0.0	77.5	63.8
Hong Kong SAR	581	87.1	1.7	87.1	6.0	4.2	0.9	0.1	88.5	85.8
Hungary	706	63.2	2.5	63.2	8.8	24.3	1.3	0.0	61.3	65.1
Iran, Islamic Rep. of	863	56.1	5.2	56.1	8.8	26.7	3.1	0.2	61.3	51.4
Ireland	663	70.4	3.4	70.4	6.0	18.9	1.3	0.0	71.2	69.6
Israel	796	66.6	3.9	66.6	9.4	15.1	4.4	0.6	68.3	64.8
Italy	640	69.8	5.4	69.8	6.9	14.7	2.9	0.3	68.6	71.0
Japan	683	56.4	2.2	56.4	9.9	31.1	0.4	0.0	59.5	53.0
Jordan	1122	47.5	9.1	47.5	11.5	29.2	2.6	0.1	55.5	39.2
Kazakhstan	695	78.8	4.3	78.8	4.0	10.9	1.8	0.1	83.1	75.1
Korea, Rep. of	766	83.1	0.9	83.1	8.1	7.0	0.8	0.0	87.1	79.3
Kuwait	647	37.8	7.6	37.8	12.2	36.0	5.2	1.2	38.1	37.3
Lebanon	552	73.3	3.8	73.3	5.0	10.1	6.6	1.3	71.8	74.9
Lithuania	611	66.1	4.7	66.1	8.6	17.7	2.9	0.0	66.8	65.4
Malaysia	1394	45.6	10.4	45.6	13.9	27.0	3.0	0.1	48.3	43.0
Malta	545	54.6	7.5	54.6	8.9	25.5	3.5	0.0	57.4	52.0
Morocco	1894	49.5	6.2	49.5	6.8	34.5	3.0	0.0	52.5	46.9
New Zealand	1144	56.2	3.7	56.2	7.8	29.0	3.0	0.2	58.9	53.7
Norway	678	43.7	2.5	43.7	6.5	43.5	3.5	0.2	46.3	41.1
Oman	1263	43.2	8.4	43.2	13.3	32.8	2.1	0.2	48.7	38.2
Qatar	772	56.8	5.9	56.8	10.8	23.5	2.7	0.3	60.0	53.5
Russian Federation	675	83.3	1.6	83.3	5.8	6.8	2.1	0.3	85.3	81.4
Saudi Arabia	542	33.0	10.3	33.0	12.9	42.5	1.3	0.1	35.2	30.8
Singapore	870	88.7	1.4	88.7	3.7	5.6	0.6	0.0	89.5	87.8
Slovenia	603	66.6	4.3	66.6	8.7	18.0	2.4	0.0	64.2	68.6
South Africa	1797	38.3	7.6	38.3	5.5	46.4	2.2	0.0	40.5	35.6
Sweden	583	41.7	2.2	41.7	5.7	45.6	4.5	0.3	41.2	42.2
Thailand	923	52.7	5.3	52.7	7.5	32.9	1.5	0.1	60.7	43.2
Turkey	864	63.3	4.9	63.3	7.7	23.2	0.9	0.0	69.3	56.8
United Arab Emirates	2567	59.3	8.7	59.3	8.3	20.9	2.7	0.0	65.3	53.0
United States	1456	70.8	3.3	70.8	9.1	15.2	1.4	0.3	73.8	67.8
International Avg (n=39)	36097	60.1	4.9	60.1	8.2	24.1	2.4	0.2	62.4	57.8
Buenos Aires, Argentina	450	48.0	6.7	48.0	7.1	19.7	15.0	3.6	48.4	47.5
Ontario, Canada	647	66.0	3.5	66.0	9.4	19.3	1.4	0.4	66.3	65.6
Quebec, Canada	558	67.7	3.0	67.7	6.7	15.7	5.8	1.1	66.5	69.2
Norway (8)	672	28.5	2.8	28.5	10.6	52.7	5.3	0.2	29.6	27.5
Abu Dhabi, UAE	690	53.8	9.5	53.8	11.1	23.0	2.6	0.0	61.3	46.1
Dubai, UAE	883	74.0	4.8	74.0	5.0	14.6	1.6	0.0	78.5	68.9
Florida, US	302	66.1	5.0	66.1	12.3	15.4	1.2	0.0	70.9	60.6

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

M11_07 (M052068): Algebra / Knowing Type: MC Key: A
Label: Identify an equivalent expression

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	11.7	11.7	31.9	21.3	30.3	4.7	0.1	14.2	9.0
Bahrain	695	38.3	38.3	20.3	14.2	25.4	1.6	0.1	32.0	44.2
Botswana	855	11.5	11.5	23.2	19.5	43.6	2.2	0.0	11.3	11.6
Canada	1248	18.9	18.9	28.2	22.9	25.2	4.2	0.7	18.2	19.7
Chile	701	13.8	13.8	27.7	21.0	33.0	4.4	0.1	14.7	13.1
Chinese Taipei	819	62.6	62.6	23.6	5.6	7.9	0.3	0.0	67.0	58.6
Egypt	1141	12.6	12.6	33.5	18.6	33.2	1.8	0.3	13.3	11.7
England	694	14.0	14.0	36.1	14.9	29.4	5.5	0.1	16.7	11.2
Georgia	574	18.0	18.0	29.3	19.0	30.9	2.8	0.1	18.7	17.4
Hong Kong SAR	581	43.6	43.6	37.4	9.9	8.3	0.6	0.1	46.6	40.7
Hungary	706	26.4	26.4	33.3	16.5	22.9	0.9	0.0	25.6	27.2
Iran, Islamic Rep. of	863	22.5	22.5	29.1	20.4	25.0	2.9	0.2	25.9	19.4
Ireland	663	17.9	17.9	45.3	11.7	22.3	2.9	0.0	20.5	15.3
Israel	796	31.0	31.0	35.6	11.9	16.6	4.2	0.6	31.9	30.1
Italy	640	18.8	18.8	29.0	21.8	25.6	4.4	0.3	18.6	19.0
Japan	683	65.3	65.3	20.4	5.7	8.3	0.3	0.0	68.8	61.7
Jordan	1122	15.6	15.6	34.7	20.6	26.2	2.8	0.1	15.7	15.5
Kazakhstan	695	50.7	50.7	24.0	10.1	14.1	1.1	0.1	56.3	45.7
Korea, Rep. of	766	68.8	68.8	15.5	6.9	8.5	0.4	0.0	72.1	65.5
Kuwait	647	12.2	12.2	36.5	20.2	25.8	4.0	1.3	12.8	11.1
Lebanon	551	34.9	34.9	29.5	11.7	13.7	8.4	1.8	35.3	34.6
Lithuania	611	23.8	23.8	31.4	16.0	24.9	3.9	0.0	24.9	22.8
Malaysia	1394	20.6	20.6	29.4	17.9	29.9	2.1	0.1	22.6	18.6
Malta	545	20.5	20.5	42.0	15.4	19.7	2.5	0.0	20.7	20.2
Morocco	1894	14.1	14.1	26.1	22.7	33.2	3.8	0.1	14.1	14.2
New Zealand	1144	12.2	12.2	34.4	18.5	29.9	4.8	0.2	11.9	12.4
Norway	678	14.0	14.0	38.6	18.5	23.8	4.8	0.3	16.1	11.8
Oman	1262	13.7	13.7	34.8	21.2	28.3	1.8	0.2	16.5	11.3
Qatar	772	19.0	19.0	34.0	19.5	25.4	1.9	0.3	20.5	17.5
Russian Federation	675	51.0	51.0	27.4	9.1	10.1	2.0	0.4	50.6	51.4
Saudi Arabia	542	17.6	17.6	23.1	23.3	34.2	1.7	0.1	14.2	20.9
Singapore	870	64.2	64.2	27.5	4.3	3.5	0.4	0.0	69.1	58.8
Slovenia	603	20.4	20.4	33.4	18.9	22.4	4.9	0.0	21.3	19.6
South Africa	1797	11.7	11.7	25.8	22.6	37.1	2.6	0.0	12.6	10.7
Sweden	583	14.0	14.0	43.2	13.0	22.3	7.2	0.3	10.9	16.8
Thailand	923	16.4	16.4	29.2	20.1	30.7	3.4	0.1	16.1	16.8
Turkey	864	18.4	18.4	29.0	19.6	32.2	0.7	0.0	19.0	17.8
United Arab Emirates	2567	22.7	22.7	29.6	19.6	24.8	3.2	0.1	24.4	20.9
United States	1456	22.4	22.4	32.4	18.9	23.8	2.2	0.3	23.2	21.6
International Avg (n=39)	36094	25.8	25.8	30.7	16.5	23.9	2.9	0.2	26.8	24.8
Buenos Aires, Argentina	444	9.7	9.7	24.1	16.4	21.6	23.5	4.8	12.7	6.9
Ontario, Canada	646	16.1	16.1	26.0	27.3	25.6	4.5	0.4	14.7	17.6
Quebec, Canada	558	26.5	26.5	30.1	14.7	25.0	2.6	1.1	25.9	27.2
Norway (8)	672	12.0	12.0	35.7	23.0	20.4	8.3	0.6	13.6	10.7
Abu Dhabi, UAE	690	21.4	21.4	28.8	20.7	26.2	2.7	0.1	23.9	18.9
Dubai, UAE	883	26.5	26.5	32.9	17.1	20.5	2.9	0.1	28.7	24.1
Florida, US	302	22.9	22.9	32.9	19.3	22.3	2.6	0.0	19.9	26.4

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

M11_08 (M052087): Algebra / Applying Type: CR 1 Point
Label: Solve for simultaneous equations

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	6.5	1.3	74.8	6.5	17.3	0.1	5.8	7.3
Bahrain	695	5.8	1.6	77.5	5.8	15.0	0.1	4.2	7.2
Botswana	855	0.7	2.8	92.6	0.7	3.9	0.0	0.7	0.6
Canada	1250	3.6	3.3	75.9	3.6	16.6	0.7	2.0	5.3
Chile	701	0.9	1.3	60.1	0.9	37.5	0.2	0.2	1.5
Chinese Taipei	819	65.0	2.8	22.7	65.0	9.5	0.0	65.2	64.8
Egypt	1141	2.8	2.0	81.7	2.8	13.1	0.4	3.4	2.2
England	694	10.7	2.1	66.4	10.7	20.7	0.1	10.4	11.1
Georgia	574	13.1	3.9	51.4	13.1	31.5	0.1	13.0	13.3
Hong Kong SAR	581	52.2	4.1	39.1	52.2	4.5	0.1	53.8	50.7
Hungary	706	9.9	1.1	51.7	9.9	37.3	0.0	9.1	10.7
Iran, Islamic Rep. of	863	3.5	0.7	63.0	3.5	32.5	0.2	2.9	4.0
Ireland	663	13.3	3.7	65.3	13.3	17.6	0.0	12.6	14.0
Israel	796	22.8	4.1	45.4	22.8	27.1	0.6	22.7	22.9
Italy	640	4.1	0.4	50.7	4.1	44.5	0.3	2.6	5.6
Japan	683	74.2	4.6	16.8	74.2	4.4	0.0	77.7	70.4
Jordan	1122	8.6	4.4	76.8	8.6	9.9	0.3	10.1	7.1
Kazakhstan	695	42.6	8.9	35.6	42.6	12.8	0.1	46.6	39.1
Korea, Rep. of	766	63.8	3.0	28.3	63.8	4.9	0.0	65.1	62.6
Kuwait	648	1.9	1.4	73.0	1.9	22.4	1.3	1.7	2.1
Lebanon	552	4.7	1.0	56.0	4.7	36.3	2.1	6.0	3.3
Lithuania	611	4.1	0.6	55.9	4.1	39.4	0.0	3.8	4.4
Malaysia	1394	11.8	2.0	72.5	11.8	13.7	0.1	13.0	10.5
Malta	545	18.4	6.8	58.0	18.4	16.9	0.0	20.4	16.4
Morocco	1894	0.5	1.2	64.6	0.5	33.5	0.3	0.6	0.4
New Zealand	1144	8.1	1.5	72.6	8.1	17.6	0.2	5.7	10.2
Norway	678	4.6	2.2	64.5	4.6	28.4	0.3	2.6	6.6
Oman	1259	2.8	3.1	84.5	2.8	9.4	0.2	2.5	3.0
Qatar	772	7.7	1.9	74.9	7.7	15.3	0.3	8.4	7.0
Russian Federation	675	36.0	4.0	28.1	36.0	31.5	0.4	33.6	38.4
Saudi Arabia	542	1.0	1.2	87.0	1.0	10.7	0.1	0.8	1.1
Singapore	870	64.9	4.3	28.7	64.9	2.0	0.0	68.6	60.9
Slovenia	603	5.0	0.5	71.9	5.0	22.6	0.0	3.4	6.2
South Africa	1797	1.3	1.4	92.0	1.3	5.3	0.0	1.2	1.3
Sweden	583	4.6	0.8	58.6	4.6	35.7	0.3	2.8	6.1
Thailand	923	7.2	1.0	74.7	7.2	17.0	0.1	6.9	7.7
Turkey	864	11.1	5.1	64.2	11.1	19.5	0.0	12.1	10.0
United Arab Emirates	2567	12.0	2.5	73.1	12.0	12.4	0.1	11.4	12.6
United States	1456	17.3	2.8	73.2	17.3	6.3	0.3	18.8	15.9
International Avg (n=39)	36095	16.1	2.6	61.6	16.1	19.4	0.2	16.2	16.0
Buenos Aires, Argentina	459	0.5	1.6	40.1	0.5	51.9	5.8	0.3	0.7
Ontario, Canada	647	4.4	2.7	76.6	4.4	15.9	0.4	2.2	6.6
Quebec, Canada	559	2.5	4.1	73.8	2.5	18.6	1.1	2.0	3.0
Norway (8)	672	0.7	0.7	74.6	0.7	23.4	0.6	0.4	0.9
Abu Dhabi, UAE	690	7.4	1.7	76.5	7.4	14.3	0.1	9.2	5.5
Dubai, UAE	883	20.8	2.8	67.2	20.8	9.0	0.1	18.7	23.2
Florida, US	302	15.2	4.5	72.0	15.2	8.2	0.0	15.3	15.1

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.

M11_09 (M052048): Geometry / Applying Type: CR 1 Point
Label: Lines of symmetry for pentagon

COUNTRY	N	10 %	70 %	71 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	29.8	17.5	32.0	14.8	29.8	5.8	0.1	28.4	31.2
Bahrain	695	11.2	23.6	24.6	25.5	11.2	15.0	0.1	11.6	10.7
Botswana	854	7.1	32.1	32.4	20.0	7.1	8.3	0.1	4.7	9.5
Canada	1250	39.7	14.8	25.6	12.3	39.7	6.8	0.8	38.5	41.1
Chile	701	8.5	18.1	12.8	19.7	8.5	40.5	0.5	6.7	10.0
Chinese Taipei	819	62.5	21.1	12.0	1.7	62.5	2.7	0.0	65.9	59.5
Egypt	1142	6.3	35.2	19.0	20.7	6.3	17.9	0.9	5.5	7.1
England	694	36.7	9.3	46.8	4.0	36.7	3.0	0.1	36.4	37.0
Georgia	574	12.0	19.1	22.7	14.8	12.0	31.2	0.1	9.8	13.8
Hong Kong SAR	581	51.4	14.7	19.3	12.5	51.4	2.0	0.1	54.9	47.9
Hungary	706	35.7	26.6	28.1	3.6	35.7	6.0	0.0	34.9	36.5
Iran, Islamic Rep. of	863	22.0	38.2	27.7	7.0	22.0	4.8	0.4	21.1	22.8
Ireland	663	31.2	17.8	35.6	10.7	31.2	4.6	0.0	32.1	30.4
Israel	796	12.3	24.0	7.9	19.4	12.3	35.2	1.2	12.7	11.9
Italy	640	20.1	34.9	14.5	9.7	20.1	20.4	0.3	19.3	21.0
Japan	683	50.0	30.4	8.7	5.7	50.0	5.3	0.0	54.5	45.1
Jordan	1122	4.2	17.1	10.8	51.2	4.2	16.3	0.4	4.4	3.9
Kazakhstan	695	25.1	3.9	1.5	57.6	25.1	11.8	0.1	23.8	26.3
Korea, Rep. of	766	21.7	66.1	4.0	5.5	21.7	2.7	0.0	24.6	18.9
Kuwait	648	10.7	21.0	26.5	25.2	10.7	15.1	1.4	10.1	11.1
Lebanon	552	9.8	15.8	0.3	42.1	9.8	29.6	2.5	8.5	11.2
Lithuania	611	19.4	31.1	26.5	9.2	19.4	13.7	0.0	20.8	18.1
Malaysia	1394	15.7	23.7	32.2	16.0	15.7	12.0	0.4	13.2	18.2
Malta	545	28.8	14.4	47.3	5.7	28.8	3.8	0.0	26.6	31.0
Morocco	1894	10.7	18.3	33.0	17.6	10.7	19.9	0.5	7.9	13.0
New Zealand	1144	28.0	14.6	29.6	19.4	28.0	8.2	0.2	28.1	27.8
Norway	678	11.9	48.7	8.7	9.2	11.9	21.3	0.3	11.9	11.8
Oman	1258	13.3	27.2	23.1	24.3	13.3	11.8	0.2	15.4	11.4
Qatar	772	16.6	22.5	21.7	27.5	16.6	11.4	0.3	19.5	13.6
Russian Federation	675	22.5	31.5	20.3	9.6	22.5	15.4	0.7	19.3	25.6
Saudi Arabia	542	3.6	16.8	5.8	51.5	3.6	22.3	0.1	3.6	3.6
Singapore	870	51.5	9.9	26.6	8.1	51.5	3.9	0.0	52.3	50.6
Slovenia	603	22.5	39.3	19.0	10.5	22.5	8.6	0.0	16.9	27.3
South Africa	1797	4.1	33.3	6.6	32.7	4.1	23.3	0.0	3.8	4.5
Sweden	580	17.5	32.4	8.9	18.6	17.5	22.3	0.3	14.8	19.9
Thailand	923	3.6	22.1	18.9	29.0	3.6	26.3	0.1	2.8	4.6
Turkey	864	11.7	34.5	23.8	17.9	11.7	12.1	0.0	12.4	11.0
United Arab Emirates	2567	17.1	24.5	27.6	21.2	17.1	9.5	0.1	18.5	15.6
United States	1456	21.1	22.0	34.2	17.1	21.1	5.3	0.4	20.2	22.1
International Avg (n=39)	36091	21.2	24.8	21.2	18.7	21.2	13.7	0.3	20.9	21.5
Buenos Aires, Argentina	460	1.6	18.9	1.0	19.1	1.6	53.0	6.4	1.5	1.6
Ontario, Canada	647	45.4	11.8	30.6	7.4	45.4	4.4	0.4	45.3	45.4
Quebec, Canada	559	32.7	19.1	18.8	18.2	32.7	9.7	1.6	29.2	37.0
Norway (8)	672	15.8	34.6	11.0	14.8	15.8	23.3	0.6	17.3	14.5
Abu Dhabi, UAE	690	13.3	29.9	20.5	25.5	13.3	10.7	0.1	13.7	12.9
Dubai, UAE	883	25.3	20.5	32.6	14.6	25.3	6.8	0.1	26.1	24.5
Florida, US	302	16.8	20.1	36.0	18.6	16.8	8.5	0.0	18.8	14.6

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.

M11_10 (M052039): Geometry / Applying Type: CR 1 Point
Label: Length of line segment AB

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	37.3	54.9	37.3	7.7	0.1	34.9	39.9
Bahrain	694	29.6	60.7	29.6	9.5	0.1	27.5	31.6
Botswana	854	15.7	81.1	15.7	2.9	0.2	16.5	15.0
Canada	1250	52.8	38.4	52.8	7.9	0.9	53.9	51.6
Chile	701	18.0	48.6	18.0	32.8	0.6	12.8	22.4
Chinese Taipei	819	78.1	19.1	78.1	2.8	0.0	78.8	77.4
Egypt	1142	28.1	61.6	28.1	9.2	1.1	28.6	27.5
England	694	40.3	45.9	40.3	13.8	0.1	42.6	37.8
Georgia	574	26.6	53.0	26.6	20.4	0.1	26.5	26.6
Hong Kong SAR	581	84.7	13.8	84.7	1.4	0.1	84.5	84.9
Hungary	706	45.5	41.9	45.5	12.7	0.0	46.4	44.5
Iran, Islamic Rep. of	863	28.9	56.5	28.9	14.3	0.4	27.0	30.5
Ireland	663	39.4	53.9	39.4	6.7	0.0	38.2	40.5
Israel	796	60.9	30.3	60.9	7.4	1.4	61.3	60.5
Italy	640	38.6	48.0	38.6	13.1	0.3	35.0	42.2
Japan	683	84.6	13.6	84.6	1.7	0.0	83.6	85.8
Jordan	1122	13.8	77.9	13.8	7.7	0.6	14.0	13.5
Kazakhstan	695	56.7	37.7	56.7	5.5	0.1	58.0	55.6
Korea, Rep. of	766	89.1	9.8	89.1	1.2	0.0	91.4	86.8
Kuwait	647	26.1	59.8	26.1	12.7	1.4	25.5	26.8
Lebanon	552	27.0	53.2	27.0	17.0	2.7	22.2	32.2
Lithuania	611	45.1	49.4	45.1	5.5	0.0	43.8	46.4
Malaysia	1394	32.0	59.5	32.0	8.0	0.5	30.3	33.6
Malta	545	30.9	56.7	30.9	12.3	0.0	30.7	31.1
Morocco	1894	17.7	71.7	17.7	9.9	0.6	16.8	18.6
New Zealand	1144	37.5	52.8	37.5	9.4	0.3	39.3	36.0
Norway	678	44.6	41.8	44.6	13.3	0.3	42.7	46.5
Oman	1254	26.4	66.9	26.4	6.5	0.2	27.9	25.1
Qatar	772	26.7	64.3	26.7	8.6	0.4	23.8	29.7
Russian Federation	675	61.2	28.7	61.2	9.2	0.9	58.5	63.8
Saudi Arabia	542	10.8	80.8	10.8	8.3	0.1	8.7	12.8
Singapore	870	80.5	18.3	80.5	1.1	0.0	81.7	79.3
Slovenia	603	40.3	51.9	40.3	7.8	0.0	33.7	45.9
South Africa	1797	16.4	81.2	16.4	2.2	0.2	17.9	14.6
Sweden	581	40.7	41.8	40.7	17.1	0.4	34.1	46.6
Thailand	923	23.2	68.0	23.2	8.7	0.1	22.9	23.5
Turkey	864	38.7	54.8	38.7	6.5	0.0	43.1	33.9
United Arab Emirates	2567	34.1	59.2	34.1	6.6	0.1	35.1	33.0
United States	1456	53.9	43.6	53.9	2.0	0.4	51.3	56.5
International Avg (n=39)	36086	40.6	50.0	40.6	9.0	0.4	39.8	41.3
Buenos Aires, Argentina	461	11.5	41.9	11.5	40.2	6.4	12.6	10.4
Ontario, Canada	647	48.3	42.9	48.3	8.3	0.5	50.4	46.1
Quebec, Canada	559	64.6	26.5	64.6	7.3	1.6	62.3	67.5
Norway (8)	672	35.5	50.8	35.5	13.2	0.6	34.6	36.4
Abu Dhabi, UAE	690	28.9	63.7	28.9	7.3	0.1	33.2	24.5
Dubai, UAE	883	46.3	48.0	46.3	5.5	0.1	45.1	47.7
Florida, US	302	43.4	52.2	43.4	4.4	0.0	43.3	43.5

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.

M11_11 (M052208): Geometry / Reasoning Type: MC Key: D
Label: Number of cubes that fit in a box

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	17.3	32.2	33.3	15.9	17.3	1.0	0.3	15.9	18.8
Bahrain	694	14.9	41.1	24.2	17.5	14.9	2.1	0.2	13.7	16.1
Botswana	855	12.4	53.8	13.4	18.2	12.4	1.9	0.2	12.6	12.3
Canada	1248	26.2	32.4	23.5	13.4	26.2	2.9	1.6	24.4	28.1
Chile	701	6.3	48.7	26.8	13.9	6.3	3.3	1.0	4.9	7.5
Chinese Taipei	819	53.7	19.0	16.4	10.7	53.7	0.2	0.0	57.4	50.2
Egypt	1142	12.1	44.7	20.4	19.9	12.1	1.8	1.1	9.8	14.8
England	694	13.7	40.1	32.1	12.2	13.7	1.8	0.1	14.1	13.2
Georgia	574	10.0	46.7	28.8	10.8	10.0	3.2	0.6	8.5	11.2
Hong Kong SAR	581	63.1	15.0	13.5	7.6	63.1	0.6	0.1	61.7	64.5
Hungary	706	19.2	36.6	32.9	10.2	19.2	0.8	0.3	18.3	20.1
Iran, Islamic Rep. of	863	18.9	43.1	18.2	15.1	18.9	4.0	0.7	22.2	16.0
Ireland	663	25.4	37.6	26.0	9.5	25.4	1.0	0.4	27.3	23.7
Israel	796	27.6	34.9	19.8	12.6	27.6	3.6	1.6	28.8	26.3
Italy	640	11.4	46.6	30.5	9.7	11.4	1.5	0.3	8.5	14.3
Japan	683	46.5	24.4	17.3	11.6	46.5	0.0	0.3	46.8	46.1
Jordan	1122	8.1	51.6	22.4	16.1	8.1	1.0	0.7	8.9	7.3
Kazakhstan	695	38.8	31.8	14.7	11.3	38.8	3.4	0.1	37.8	39.6
Korea, Rep. of	766	49.1	22.4	16.4	11.9	49.1	0.3	0.0	48.4	49.7
Kuwait	649	9.1	49.3	21.7	15.8	9.1	2.5	1.6	8.5	9.7
Lebanon	552	12.3	44.5	19.1	12.3	12.3	8.1	3.7	10.8	14.0
Lithuania	611	20.5	40.1	27.1	11.1	20.5	1.1	0.0	18.4	22.7
Malaysia	1394	29.7	30.7	21.0	15.6	29.7	2.5	0.6	30.5	28.9
Malta	545	18.6	44.8	24.6	10.9	18.6	0.9	0.2	18.4	18.9
Morocco	1894	9.6	53.0	17.5	16.4	9.6	2.9	0.6	10.2	9.2
New Zealand	1144	15.9	40.3	27.2	13.9	15.9	2.4	0.3	13.4	18.2
Norway	678	16.9	24.0	39.3	17.5	16.9	1.9	0.4	16.0	17.7
Oman	1263	14.0	46.5	22.3	15.6	14.0	1.3	0.3	15.5	12.7
Qatar	772	17.2	41.1	20.5	17.9	17.2	2.3	1.0	17.7	16.7
Russian Federation	675	27.9	35.1	19.6	12.1	27.9	4.5	0.9	26.7	29.1
Saudi Arabia	542	8.6	44.8	25.2	18.6	8.6	2.7	0.1	9.1	8.1
Singapore	870	71.7	12.0	9.5	6.2	71.7	0.5	0.1	73.3	70.0
Slovenia	603	20.2	34.1	31.9	11.9	20.2	1.3	0.6	18.2	22.0
South Africa	1797	7.9	56.3	16.5	17.2	7.9	1.8	0.3	8.9	6.6
Sweden	583	19.8	20.2	36.8	16.5	19.8	5.5	1.2	13.7	25.1
Thailand	923	13.7	39.1	25.7	18.0	13.7	3.3	0.2	16.3	10.6
Turkey	864	15.3	42.3	23.7	17.0	15.3	1.6	0.0	16.7	13.8
United Arab Emirates	2568	16.5	46.0	19.7	15.2	16.5	2.3	0.3	19.2	13.7
United States	1456	17.1	43.6	24.5	12.8	17.1	1.5	0.5	17.5	16.8
International Avg (n=39)	36099	22.0	38.2	23.2	13.9	22.0	2.2	0.6	21.8	22.2
Buenos Aires, Argentina	447	4.6	40.4	21.9	15.7	4.6	11.0	6.4	2.8	6.2
Ontario, Canada	647	25.3	33.2	25.2	12.9	25.3	2.4	1.0	23.1	27.6
Quebec, Canada	558	29.2	31.5	21.0	12.0	29.2	3.5	2.7	26.0	33.2
Norway (8)	672	11.5	31.6	37.3	16.1	11.5	2.9	0.6	8.6	14.0
Abu Dhabi, UAE	690	16.3	44.6	20.8	16.1	16.3	2.0	0.2	21.0	11.3
Dubai, UAE	884	23.4	42.9	17.7	13.5	23.4	2.1	0.4	25.4	21.2
Florida, US	302	14.6	41.0	27.8	15.1	14.6	1.5	0.0	16.6	12.3

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

M11_12A (M052419A): Data and Chance / Knowing Type: MC Key: C
Label: Girls playing video games

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	75.4	11.5	3.4	75.4	8.5	1.0	0.3	73.5	77.3
Bahrain	695	56.8	20.9	3.0	56.8	18.8	0.3	0.2	55.9	57.7
Botswana	855	47.7	24.2	2.6	47.7	24.0	1.0	0.5	50.4	45.1
Canada	1249	79.7	10.8	1.8	79.7	5.0	0.8	1.9	78.1	81.4
Chile	701	56.5	13.9	3.8	56.5	23.7	1.1	1.0	50.2	61.7
Chinese Taipei	819	80.7	6.8	0.9	80.7	11.4	0.2	0.0	80.0	81.3
Egypt	1142	28.6	26.8	11.2	28.6	30.5	1.8	1.1	28.3	29.0
England	694	78.0	13.3	2.6	78.0	5.3	0.7	0.1	78.8	77.1
Georgia	574	32.6	35.3	6.2	32.6	22.6	2.7	0.6	27.6	36.7
Hong Kong SAR	581	73.8	11.5	1.9	73.8	12.6	0.2	0.1	73.5	74.2
Hungary	706	74.2	11.5	4.1	74.2	9.8	0.1	0.4	75.5	72.8
Iran, Islamic Rep. of	863	34.4	20.6	7.6	34.4	33.7	2.8	0.9	34.0	34.8
Ireland	663	73.3	14.5	1.3	73.3	9.7	0.9	0.4	67.7	78.6
Israel	796	65.6	18.4	3.6	65.6	8.5	1.8	2.1	65.8	65.4
Italy	640	67.0	12.8	2.2	67.0	16.8	0.9	0.3	64.7	69.2
Japan	683	87.9	5.6	0.5	87.9	5.5	0.2	0.3	88.7	86.9
Jordan	1122	29.1	29.8	7.3	29.1	32.7	0.4	0.7	27.0	31.3
Kazakhstan	695	63.4	14.2	5.1	63.4	15.9	1.0	0.4	62.4	64.3
Korea, Rep. of	766	81.3	8.1	1.3	81.3	9.3	0.0	0.0	81.4	81.2
Kuwait	649	38.5	18.0	5.5	38.5	34.1	2.3	1.6	35.6	41.6
Lebanon	552	42.8	27.6	4.2	42.8	17.7	3.0	4.7	34.7	51.4
Lithuania	611	77.6	14.9	1.9	77.6	5.5	0.1	0.0	78.9	76.4
Malaysia	1394	66.6	12.4	2.3	66.6	17.2	1.0	0.6	66.7	66.5
Malta	545	60.1	18.9	4.1	60.1	15.4	1.3	0.2	58.1	61.9
Morocco	1893	30.4	25.4	6.8	30.4	34.6	1.9	1.0	30.5	30.2
New Zealand	1144	73.7	12.5	2.6	73.7	9.4	1.6	0.3	75.1	72.4
Norway	678	79.3	9.7	2.0	79.3	7.5	0.8	0.7	77.9	80.7
Oman	1263	36.8	25.1	4.6	36.8	31.9	1.1	0.5	35.6	38.0
Qatar	772	49.5	23.8	4.7	49.5	20.2	0.4	1.4	46.6	52.4
Russian Federation	675	71.3	16.5	2.6	71.3	6.9	1.5	1.2	66.0	76.4
Saudi Arabia	543	33.8	27.4	9.1	33.8	27.5	2.0	0.2	35.5	32.2
Singapore	870	86.1	8.3	1.5	86.1	3.7	0.2	0.2	87.1	85.0
Slovenia	603	79.3	14.7	0.1	79.3	4.9	0.5	0.6	76.1	82.1
South Africa	1797	34.4	19.9	2.9	34.4	41.6	0.7	0.5	34.0	35.0
Sweden	583	75.9	8.7	2.0	75.9	7.6	4.4	1.3	69.4	81.7
Thailand	923	33.9	9.4	6.8	33.9	48.5	1.0	0.3	34.9	32.9
Turkey	864	54.4	21.6	4.1	54.4	19.7	0.2	0.0	53.7	55.1
United Arab Emirates	2568	54.5	22.4	3.4	54.5	16.8	2.6	0.3	54.9	54.1
United States	1456	74.3	15.0	2.6	74.3	6.5	1.1	0.6	73.0	75.5
International Avg (n=39)	36101	60.0	17.0	3.7	60.0	17.5	1.2	0.7	58.7	61.2
Buenos Aires, Argentina	452	47.2	16.6	7.5	47.2	16.5	5.7	6.6	47.9	46.5
Ontario, Canada	647	79.8	11.1	1.6	79.8	5.8	0.5	1.2	77.6	82.2
Quebec, Canada	558	81.0	8.4	2.1	81.0	3.5	1.6	3.3	77.7	85.0
Norway (8)	672	74.5	10.2	2.5	74.5	10.6	1.5	0.6	74.8	74.2
Abu Dhabi, UAE	690	49.5	23.1	4.4	49.5	18.8	4.1	0.2	51.3	47.6
Dubai, UAE	884	70.0	15.7	1.7	70.0	10.4	1.7	0.5	69.3	70.9
Florida, US	302	68.7	20.5	3.1	68.7	6.0	1.5	0.2	68.7	68.7

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

M11_12B (M052419B): Data and Chance / Knowing Type: MC Key: C
Label: Difference in percentages

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	86.7	1.8	2.6	86.7	7.3	1.2	0.4	87.0	86.3
Bahrain	695	67.5	7.0	8.4	67.5	16.7	0.1	0.2	69.0	66.2
Botswana	855	39.7	7.2	13.2	39.7	38.2	1.2	0.5	43.7	35.8
Canada	1249	86.0	1.4	1.9	86.0	7.8	0.8	2.0	86.2	85.8
Chile	701	68.5	3.0	4.2	68.5	22.5	0.6	1.3	66.7	70.0
Chinese Taipei	819	93.9	1.1	1.0	93.9	3.8	0.2	0.0	95.5	92.4
Egypt	1142	36.3	9.1	23.6	36.3	28.4	1.0	1.6	36.2	36.4
England	694	87.5	2.0	3.9	87.5	6.1	0.3	0.1	89.5	85.4
Georgia	574	56.8	3.8	8.9	56.8	27.2	2.5	0.8	64.3	50.7
Hong Kong SAR	581	92.9	1.7	1.7	92.9	3.3	0.4	0.1	94.2	91.5
Hungary	706	88.4	1.7	3.8	88.4	5.4	0.4	0.4	90.0	86.7
Iran, Islamic Rep. of	863	47.4	7.2	11.1	47.4	30.7	1.8	1.8	47.9	47.0
Ireland	663	85.9	1.5	3.1	85.9	8.7	0.2	0.6	84.9	86.8
Israel	796	75.5	2.5	4.5	75.5	13.3	1.6	2.6	77.8	73.2
Italy	640	78.8	2.1	3.7	78.8	13.6	1.4	0.3	78.6	79.1
Japan	683	94.0	1.0	0.9	94.0	3.6	0.1	0.3	95.2	92.7
Jordan	1122	43.8	9.7	15.3	43.8	29.0	1.3	0.9	44.0	43.6
Kazakhstan	695	69.9	3.0	6.8	69.9	18.5	1.2	0.7	73.2	66.9
Korea, Rep. of	766	97.4	0.8	0.7	97.4	1.1	0.0	0.0	98.5	96.4
Kuwait	649	51.6	5.9	14.2	51.6	24.9	1.3	2.0	47.4	55.9
Lebanon	552	53.4	4.7	9.3	53.4	24.5	3.0	5.1	51.2	55.7
Lithuania	611	91.6	0.9	1.7	91.6	5.3	0.4	0.0	93.3	90.0
Malaysia	1394	64.0	5.9	7.5	64.0	21.0	0.7	1.0	66.3	61.7
Malta	545	72.9	2.7	4.8	72.9	18.2	0.6	0.9	74.2	71.7
Morocco	1893	42.4	8.8	15.6	42.4	30.0	1.8	1.4	40.7	43.8
New Zealand	1144	83.3	2.3	3.8	83.3	8.7	1.6	0.4	85.7	81.1
Norway	678	92.5	1.5	3.2	92.5	1.9	0.3	0.7	93.5	91.4
Oman	1263	47.1	6.2	17.4	47.1	28.0	0.4	0.8	48.6	45.8
Qatar	772	60.2	5.6	9.9	60.2	22.1	0.5	1.6	61.0	59.4
Russian Federation	675	84.8	1.4	3.8	84.8	7.2	1.4	1.5	83.5	86.1
Saudi Arabia	543	49.7	8.6	13.1	49.7	26.6	1.7	0.2	52.2	47.3
Singapore	870	92.7	1.4	1.2	92.7	4.4	0.1	0.3	95.2	89.9
Slovenia	603	92.8	1.4	1.2	92.8	3.8	0.3	0.6	92.9	92.6
South Africa	1797	32.6	5.4	19.7	32.6	41.1	0.5	0.7	35.8	28.9
Sweden	583	86.1	2.3	2.3	86.1	4.7	3.0	1.6	85.2	87.0
Thailand	923	55.6	5.9	5.8	55.6	31.2	1.1	0.5	58.3	52.4
Turkey	864	61.4	5.7	6.2	61.4	26.7	0.0	0.0	60.6	62.2
United Arab Emirates	2568	66.3	5.0	7.2	66.3	18.1	2.9	0.5	69.1	63.3
United States	1456	82.4	2.3	3.0	82.4	10.4	1.3	0.6	83.8	81.0
International Avg (n=39)	36101	70.8	3.9	6.9	70.8	16.5	1.0	0.9	71.8	69.7
Buenos Aires, Argentina	452	59.4	6.5	6.4	59.4	15.5	5.4	6.8	59.5	59.3
Ontario, Canada	647	88.1	2.2	1.5	88.1	6.5	0.5	1.2	88.5	87.6
Quebec, Canada	558	82.5	0.3	2.2	82.5	9.7	1.5	3.7	82.5	82.6
Norway (8)	672	89.2	1.0	2.9	89.2	4.5	1.6	0.8	89.9	88.5
Abu Dhabi, UAE	690	60.1	5.8	9.7	60.1	19.0	4.7	0.8	64.2	55.8
Dubai, UAE	884	79.0	2.7	4.1	79.0	11.4	2.2	0.5	82.0	75.7
Florida, US	302	75.4	3.2	2.9	75.4	16.4	1.9	0.2	81.6	68.1

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

M11_13 (M052115): Data and Chance / Applying Type: MC Key: D
Label: Raspberry as favorite flavor

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	51.8	5.5	19.9	20.5	51.8	1.8	0.6	51.7	51.9
Bahrain	694	50.5	4.0	34.3	9.8	50.5	1.2	0.2	50.5	50.4
Botswana	855	20.4	4.7	60.0	13.1	20.4	1.4	0.5	23.1	17.6
Canada	1249	60.4	5.0	15.2	15.5	60.4	1.7	2.1	61.3	59.5
Chile	701	24.7	3.4	45.4	24.6	24.7	0.6	1.3	25.5	24.1
Chinese Taipei	819	75.0	5.7	10.2	8.8	75.0	0.2	0.0	77.0	73.1
Egypt	1142	20.2	7.4	43.3	26.3	20.2	1.2	1.6	19.5	21.1
England	694	65.6	5.7	13.3	14.7	65.6	0.7	0.1	70.1	60.7
Georgia	574	32.8	5.6	38.3	20.7	32.8	1.9	0.8	32.7	32.8
Hong Kong SAR	581	81.9	3.9	5.5	8.0	81.9	0.7	0.1	84.3	79.4
Hungary	706	44.4	2.4	28.2	24.4	44.4	0.3	0.4	47.1	41.6
Iran, Islamic Rep. of	863	32.2	5.7	43.8	14.9	32.2	1.6	1.9	30.7	33.5
Ireland	663	52.1	1.6	26.5	18.4	52.1	0.7	0.7	53.4	50.9
Israel	796	52.1	4.2	23.7	14.8	52.1	2.3	2.9	53.0	51.2
Italy	640	46.5	2.8	30.4	18.5	46.5	1.5	0.3	46.2	46.8
Japan	683	74.2	2.8	9.6	12.8	74.2	0.3	0.3	76.1	72.2
Jordan	1122	15.1	4.3	64.9	14.3	15.1	0.5	0.9	13.8	16.4
Kazakhstan	695	43.6	6.2	29.5	18.6	43.6	1.2	0.9	42.9	44.3
Korea, Rep. of	766	77.6	5.4	8.1	8.4	77.6	0.5	0.0	81.0	74.3
Kuwait	647	20.2	5.5	56.9	14.0	20.2	1.3	2.2	19.2	20.7
Lebanon	552	12.7	4.7	44.9	26.6	12.7	5.8	5.1	11.1	14.4
Lithuania	611	49.1	4.9	18.5	26.3	49.1	0.9	0.3	49.6	48.6
Malaysia	1394	45.9	8.8	28.2	15.2	45.9	0.8	1.1	49.9	42.0
Malta	545	44.5	4.2	34.5	15.3	44.5	0.6	0.9	46.1	42.9
Morocco	1894	11.0	5.7	57.7	22.8	11.0	1.3	1.5	9.3	12.5
New Zealand	1144	50.5	3.9	25.8	18.1	50.5	1.3	0.4	57.4	44.2
Norway	678	54.0	4.8	12.9	25.9	54.0	1.7	0.7	59.0	48.9
Oman	1262	18.4	5.6	58.8	15.6	18.4	0.8	0.8	16.6	20.1
Qatar	772	27.6	4.7	49.5	15.1	27.6	1.5	1.7	28.4	26.7
Russian Federation	675	44.5	4.9	18.7	26.6	44.5	3.9	1.5	38.7	50.2
Saudi Arabia	543	13.4	4.9	66.2	13.9	13.4	1.3	0.2	13.4	13.5
Singapore	870	87.4	1.2	7.8	2.8	87.4	0.3	0.4	89.2	85.6
Slovenia	603	52.4	6.0	18.7	21.6	52.4	0.7	0.6	52.3	52.5
South Africa	1797	10.8	4.2	71.6	12.4	10.8	0.2	0.8	12.9	8.4
Sweden	583	44.0	3.1	18.7	26.3	44.0	6.1	1.7	39.6	47.9
Thailand	923	33.5	3.5	32.0	29.0	33.5	1.5	0.5	35.4	31.3
Turkey	864	39.4	5.9	40.1	14.6	39.4	0.0	0.0	41.2	37.6
United Arab Emirates	2568	37.5	5.1	42.5	13.1	37.5	1.1	0.7	38.7	36.2
United States	1456	54.4	6.8	22.5	14.2	54.4	1.4	0.7	56.3	52.6
International Avg (n=39)	36098	42.9	4.7	32.7	17.3	42.9	1.4	1.0	43.7	42.0
Buenos Aires, Argentina	449	17.0	3.5	37.3	26.2	17.0	9.3	6.8	22.2	12.3
Ontario, Canada	647	64.2	5.0	13.0	14.5	64.2	2.1	1.2	65.4	62.9
Quebec, Canada	558	57.3	5.8	14.4	17.0	57.3	1.6	4.0	54.1	61.1
Norway (8)	672	46.6	5.4	16.9	29.4	46.6	0.9	0.8	50.1	43.6
Abu Dhabi, UAE	690	34.4	6.4	41.8	14.8	34.4	1.5	1.3	37.4	31.3
Dubai, UAE	884	51.6	3.4	28.9	14.5	51.6	0.9	0.8	54.3	48.5
Florida, US	302	51.2	8.4	24.0	15.4	51.2	0.9	0.2	56.0	45.6

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

M11_14 (M052421): Data and Chance / Reasoning Type: CR 1 Point
Label: Explain why Pat is correct

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1474	46.2	45.6	46.2	7.4	0.9	49.1	43.1
Bahrain	695	33.5	47.3	33.5	18.7	0.4	41.1	26.6
Botswana	855	27.2	54.6	27.2	17.4	0.8	31.6	22.9
Canada	1250	49.8	39.3	49.8	8.0	2.9	52.0	47.4
Chile	701	16.0	54.1	16.0	28.3	1.6	18.5	14.0
Chinese Taipei	819	53.3	38.7	53.3	7.8	0.1	51.0	55.5
Egypt	1142	21.8	46.2	21.8	30.0	1.9	24.9	18.2
England	694	62.9	30.5	62.9	6.0	0.6	65.9	59.7
Georgia	574	16.2	45.6	16.2	36.6	1.6	19.1	13.8
Hong Kong SAR	581	57.1	36.1	57.1	6.6	0.3	59.5	54.6
Hungary	706	45.9	44.1	45.9	9.6	0.4	48.9	42.9
Iran, Islamic Rep. of	863	13.0	64.5	13.0	20.3	2.3	11.6	14.2
Ireland	663	58.3	35.3	58.3	5.3	1.0	59.6	57.1
Israel	796	33.7	46.0	33.7	16.7	3.7	36.0	31.2
Italy	640	33.1	47.6	33.1	18.4	0.9	35.0	31.2
Japan	683	64.5	29.0	64.5	6.3	0.3	66.0	62.8
Jordan	1122	8.8	66.1	8.8	24.1	1.0	11.5	5.9
Kazakhstan	695	46.3	32.6	46.3	19.6	1.4	55.6	38.0
Korea, Rep. of	766	70.6	24.2	70.6	5.1	0.1	71.5	69.8
Kuwait	649	11.3	42.7	11.3	43.5	2.5	12.7	10.1
Lebanon	552	14.4	44.6	14.4	33.7	7.3	16.8	11.8
Lithuania	611	25.1	63.1	25.1	10.7	1.1	22.2	28.0
Malaysia	1394	16.0	61.0	16.0	21.8	1.3	15.7	16.3
Malta	545	38.9	41.8	38.9	18.4	0.9	43.7	34.2
Morocco	1894	5.5	53.1	5.5	39.4	2.0	5.7	5.3
New Zealand	1144	42.7	47.6	42.7	9.1	0.5	44.6	40.9
Norway	678	61.8	27.0	61.8	10.3	1.0	69.7	53.7
Oman	1261	8.8	64.5	8.8	25.5	1.1	13.4	4.7
Qatar	772	22.9	50.2	22.9	24.1	2.8	23.3	22.5
Russian Federation	675	28.9	47.5	28.9	20.7	2.9	25.0	32.7
Saudi Arabia	543	17.1	49.6	17.1	33.2	0.2	23.3	10.9
Singapore	870	68.3	28.5	68.3	2.5	0.7	70.4	66.1
Slovenia	603	71.4	22.2	71.4	5.7	0.7	75.5	68.0
South Africa	1797	9.3	66.5	9.3	23.4	0.9	11.9	6.1
Sweden	581	53.4	36.1	53.4	8.2	2.3	54.6	52.4
Thailand	923	23.0	47.7	23.0	28.1	1.1	23.9	21.9
Turkey	864	23.2	64.4	23.2	12.5	0.0	25.7	20.5
United Arab Emirates	2568	29.1	52.8	29.1	17.1	1.1	34.1	23.8
United States	1456	46.4	49.0	46.4	3.8	0.8	48.6	44.2
International Avg (n=39)	36099	35.3	45.8	35.3	17.5	1.4	37.7	32.9
Buenos Aires, Argentina	461	12.7	40.7	12.7	35.0	11.6	13.2	12.3
Ontario, Canada	647	53.8	36.4	53.8	7.5	2.3	56.1	51.4
Quebec, Canada	559	47.8	41.5	47.8	6.2	4.5	50.1	45.1
Norway (8)	672	57.2	29.2	57.2	12.4	1.2	65.8	49.8
Abu Dhabi, UAE	690	25.5	55.0	25.5	18.0	1.5	30.3	20.5
Dubai, UAE	884	43.6	45.9	43.6	9.5	1.0	47.8	38.9
Florida, US	302	44.1	49.3	44.1	6.4	0.2	46.3	41.6

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.

M12_01 (M062271): Number / Knowing Type: MC Key: D
Label: Randy's blue balloons

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	46.2	6.0	20.3	25.7	46.2	1.6	0.2	43.1	49.3
Bahrain	697	47.5	11.0	18.0	20.8	47.5	2.6	0.0	48.5	46.6
Botswana	849	31.4	16.6	18.8	27.8	31.4	5.3	0.0	29.2	33.8
Canada	1246	58.3	6.1	19.8	13.9	58.3	1.8	0.0	56.0	60.6
Chile	697	33.8	9.1	19.2	35.1	33.8	2.8	0.0	30.0	36.9
Chinese Taipei	814	74.5	3.1	15.4	7.0	74.5	0.0	0.0	71.3	77.3
Egypt	1127	47.1	23.2	13.9	13.4	47.1	2.5	0.0	45.1	49.3
England	692	46.5	6.6	21.2	23.0	46.5	2.7	0.0	46.4	46.5
Georgia	577	38.3	10.7	25.7	23.0	38.3	2.3	0.0	42.4	34.9
Hong Kong SAR	589	76.7	2.0	15.8	5.0	76.7	0.5	0.0	78.9	74.4
Hungary	704	47.3	5.4	21.5	24.6	47.3	1.2	0.0	44.0	50.5
Iran, Islamic Rep. of	868	40.4	13.2	21.7	22.1	40.4	2.6	0.0	38.3	42.2
Ireland	676	62.8	3.4	22.0	11.2	62.8	0.6	0.0	61.6	64.0
Israel	786	57.7	6.4	20.9	12.6	57.7	2.2	0.1	56.6	58.7
Italy	653	48.7	7.7	28.0	13.1	48.7	2.5	0.0	42.0	54.7
Japan	685	63.4	6.1	22.3	7.9	63.4	0.3	0.0	64.4	62.2
Jordan	1108	52.3	14.7	10.3	17.8	52.3	4.7	0.1	51.8	52.9
Kazakhstan	696	54.6	10.9	17.4	15.3	54.6	1.8	0.0	54.7	54.5
Korea, Rep. of	756	81.9	1.6	8.4	7.4	81.9	0.7	0.1	81.2	82.5
Kuwait	0	.	.	.	.	.	.	.	.	.
Lebanon	559	36.7	8.6	20.2	23.2	36.7	11.1	0.2	38.3	35.2
Lithuania	614	45.9	6.7	21.9	23.8	45.9	1.7	0.0	45.1	46.6
Malaysia	1400	45.4	5.5	33.8	14.1	45.4	1.1	0.0	51.5	39.6
Malta	547	42.8	6.5	31.1	17.0	42.8	2.6	0.0	42.9	42.7
Morocco	1735	41.6	26.1	11.7	14.2	41.6	6.3	0.1	43.2	40.4
New Zealand	1203	44.0	5.9	23.4	25.0	44.0	1.7	0.0	42.6	45.2
Norway	675	61.8	6.8	16.7	13.3	61.8	1.4	0.0	61.1	62.5
Oman	1262	33.1	11.7	30.7	22.8	33.1	1.6	0.1	32.7	33.5
Qatar	770	48.0	14.1	19.2	15.3	48.0	3.2	0.1	48.2	47.8
Russian Federation	681	58.2	6.0	18.8	13.9	58.2	3.1	0.0	56.2	60.3
Saudi Arabia	544	24.6	14.6	25.5	31.3	24.6	3.9	0.0	30.3	19.1
Singapore	874	84.6	1.7	8.9	4.2	84.6	0.7	0.0	85.8	83.2
Slovenia	603	53.2	9.8	21.6	14.5	53.2	0.9	0.0	54.2	52.3
South Africa	1790	32.4	15.0	19.9	28.4	32.4	4.2	0.1	32.7	32.0
Sweden	588	61.4	5.9	16.3	13.3	61.4	2.8	0.3	59.4	63.2
Thailand	924	34.7	16.7	23.4	23.9	34.7	1.3	0.0	38.2	30.7
Turkey	871	54.1	10.8	13.8	20.6	54.1	0.7	0.0	54.8	53.3
United Arab Emirates	2573	43.0	8.7	27.4	18.4	43.0	2.5	0.0	42.2	43.9
United States	1469	48.3	9.6	25.2	16.5	48.3	0.4	0.1	48.1	48.3
International Avg (n=38)	35373	50.1	9.3	20.3	17.9	50.1	2.4	0.0	49.8	50.3
Buenos Aires, Argentina	456	31.1	12.3	24.2	23.2	31.1	8.4	0.7	32.0	30.3
Ontario, Canada	640	53.9	6.9	17.2	19.4	53.9	2.6	0.1	52.7	55.0
Quebec, Canada	562	68.1	2.4	24.6	4.1	68.1	0.8	0.0	64.9	71.6
Norway (8)	667	55.5	5.8	18.7	18.4	55.5	1.4	0.1	57.3	53.9
Abu Dhabi, UAE	693	39.4	10.4	24.4	21.9	39.4	3.8	0.0	43.6	35.0
Dubai, UAE	873	53.5	6.4	25.0	13.8	53.5	1.3	0.0	49.1	58.2
Florida, US	288	36.4	12.0	28.8	20.5	36.4	1.9	0.4	32.2	40.4

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

M12_02 (M062152): Number / Applying Type: CR 1 Point
Label: Least number of crates for Harry's apples

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	43.7	22.3	28.6	43.7	5.1	0.2	42.4	45.1
Bahrain	697	21.7	18.5	54.1	21.7	5.7	0.0	25.6	17.9
Botswana	849	21.5	20.7	55.6	21.5	2.2	0.0	23.7	19.1
Canada	1247	58.9	22.4	15.9	58.9	2.4	0.5	59.1	58.6
Chile	697	19.6	14.2	49.0	19.6	17.3	0.0	17.7	21.1
Chinese Taipei	814	77.2	8.0	13.3	77.2	1.4	0.0	76.1	78.2
Egypt	1127	14.6	17.6	58.1	14.6	9.7	0.0	13.9	15.3
England	692	55.2	16.1	24.2	55.2	4.6	0.0	54.8	55.7
Georgia	577	30.5	31.4	27.7	30.5	10.3	0.0	32.5	28.9
Hong Kong SAR	589	84.3	8.3	6.7	84.3	0.7	0.0	85.8	82.8
Hungary	704	46.7	28.0	22.0	46.7	3.3	0.0	46.4	47.0
Iran, Islamic Rep. of	868	18.4	29.9	42.7	18.4	9.0	0.1	14.3	22.1
Ireland	676	57.8	23.7	16.1	57.8	2.4	0.0	56.1	59.5
Israel	786	43.7	23.6	25.4	43.7	7.2	0.1	43.4	43.9
Italy	653	33.7	35.1	22.2	33.7	9.0	0.0	24.3	42.0
Japan	685	65.3	12.8	20.3	65.3	1.5	0.0	68.3	62.0
Jordan	1108	9.5	11.3	69.7	9.5	9.2	0.3	7.4	11.6
Kazakhstan	696	44.5	28.1	23.3	44.5	4.2	0.0	43.5	45.4
Korea, Rep. of	756	62.3	21.6	15.5	62.3	0.5	0.1	60.7	63.9
Kuwait	650	13.6	15.8	56.8	13.6	13.4	0.4	12.1	15.5
Lebanon	559	15.1	22.8	45.3	15.1	16.7	0.2	11.4	18.8
Lithuania	614	56.8	22.4	18.8	56.8	2.0	0.0	55.3	58.3
Malaysia	1400	40.3	20.2	35.3	40.3	4.3	0.0	43.2	37.5
Malta	547	44.5	24.1	26.6	44.5	4.7	0.0	45.0	44.1
Morocco	1735	19.9	19.4	47.7	19.9	12.7	0.3	20.1	19.8
New Zealand	1203	37.1	21.1	37.1	37.1	4.6	0.1	38.0	36.2
Norway	675	62.0	16.2	17.3	62.0	4.2	0.3	60.3	63.7
Oman	1260	16.3	18.3	59.8	16.3	5.5	0.1	18.5	14.3
Qatar	770	24.7	27.8	42.1	24.7	5.2	0.1	17.8	31.4
Russian Federation	681	50.3	30.3	13.9	50.3	5.6	0.0	47.0	53.7
Saudi Arabia	544	11.5	0.4	80.3	11.5	7.7	0.0	11.6	11.4
Singapore	874	70.5	21.8	7.2	70.5	0.5	0.0	68.6	72.6
Slovenia	603	49.0	25.4	22.5	49.0	3.1	0.0	44.7	52.8
South Africa	1790	13.0	14.2	68.0	13.0	4.5	0.3	12.8	13.2
Sweden	588	52.0	21.3	22.5	52.0	3.6	0.5	46.9	56.6
Thailand	924	25.2	21.0	47.4	25.2	6.3	0.0	28.6	21.4
Turkey	871	24.7	17.9	53.1	24.7	4.3	0.0	22.3	27.2
United Arab Emirates	2573	30.7	23.8	40.7	30.7	4.7	0.0	30.5	30.9
United States	1469	51.6	25.5	22.1	51.6	0.8	0.1	52.3	51.0
International Avg (n=39)	36022	38.9	20.6	34.7	38.9	5.6	0.1	38.0	39.8
Buenos Aires, Argentina	463	17.5	16.2	36.9	17.5	28.0	1.4	18.1	17.0
Ontario, Canada	641	54.0	24.2	18.7	54.0	2.3	0.8	54.3	53.7
Quebec, Canada	562	74.0	14.9	9.3	74.0	1.8	0.0	73.9	74.0
Norway (8)	667	48.9	21.2	24.3	48.9	5.5	0.1	48.8	49.1
Abu Dhabi, UAE	693	28.1	24.8	42.3	28.1	4.8	0.0	31.8	24.2
Dubai, UAE	873	39.8	26.5	31.4	39.8	2.2	0.0	36.6	43.3
Florida, US	288	54.0	22.8	20.8	54.0	1.9	0.4	48.5	59.4

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.

M12_03 (M062215): Number / Applying Type: CR 2 Points
Label: Fill in new price/discount in bicycle sale table

COUNTRY	N	20 %	10 %	11 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	26.7	14.1	5.7	44.2	46.5	26.7	9.0	0.2	22.6	30.9
Bahrain	697	6.5	6.8	4.3	69.3	17.6	6.5	13.1	0.0	4.7	8.2
Botswana	849	6.4	5.5	7.0	77.2	19.0	6.4	3.8	0.0	8.2	4.6
Canada	1247	31.4	19.5	2.9	39.6	53.8	31.4	6.1	0.5	27.6	35.3
Chile	697	7.0	11.6	4.6	50.0	23.2	7.0	26.9	0.0	2.8	10.5
Chinese Taipei	814	41.1	12.3	4.1	35.6	57.4	41.1	6.9	0.0	37.6	44.1
Egypt	1127	5.1	4.4	4.5	71.2	14.0	5.1	14.7	0.1	3.9	6.6
England	692	27.5	15.8	5.3	43.7	48.6	27.5	7.5	0.2	24.9	30.4
Georgia	577	9.2	10.4	7.8	53.5	27.4	9.2	19.0	0.1	9.4	9.1
Hong Kong SAR	589	48.1	14.0	2.8	33.6	64.9	48.1	1.5	0.0	45.3	50.9
Hungary	704	33.4	15.6	2.7	40.3	51.7	33.4	8.0	0.0	29.8	36.8
Iran, Islamic Rep. of	867	8.2	6.3	5.1	62.3	19.6	8.2	18.0	0.1	5.2	11.0
Ireland	676	39.4	18.8	5.0	31.8	63.3	39.4	4.9	0.0	39.4	39.4
Israel	786	33.9	14.3	2.4	36.7	50.5	33.9	12.7	0.1	28.9	38.7
Italy	653	18.6	14.7	4.2	46.2	37.4	18.6	16.4	0.0	16.6	20.4
Japan	685	39.0	10.6	5.4	38.8	55.0	39.0	6.2	0.0	36.1	42.3
Jordan	1108	3.5	7.9	4.4	72.0	15.8	3.5	11.6	0.5	1.8	5.3
Kazakhstan	696	31.6	14.9	4.9	39.7	51.5	31.6	8.9	0.0	29.1	34.1
Korea, Rep. of	756	38.4	8.9	3.8	45.8	51.1	38.4	3.0	0.1	33.4	43.2
Kuwait	653	3.4	5.1	3.6	71.7	12.0	3.4	15.9	0.4	2.6	4.3
Lebanon	559	8.6	7.4	1.8	57.5	17.9	8.6	24.5	0.2	8.1	9.0
Lithuania	614	27.3	16.9	3.1	44.0	47.2	27.3	8.8	0.0	24.3	30.3
Malaysia	1400	24.6	11.9	3.2	53.7	39.7	24.6	6.6	0.0	24.7	24.4
Malta	547	23.1	14.4	2.6	51.0	40.0	23.1	8.9	0.0	21.1	24.9
Morocco	1735	1.8	3.6	4.7	70.9	10.2	1.8	18.5	0.4	1.3	2.2
New Zealand	1203	23.4	14.9	4.8	48.0	43.1	23.4	8.8	0.1	21.3	25.3
Norway	675	37.7	25.3	4.1	24.0	67.1	37.7	8.6	0.3	34.7	40.9
Oman	1260	4.3	3.8	4.4	77.4	12.6	4.3	9.9	0.1	2.6	6.0
Qatar	770	14.7	11.3	4.7	59.6	30.8	14.7	9.1	0.5	13.1	16.3
Russian Federation	681	37.2	18.0	4.0	31.4	59.2	37.2	9.4	0.0	31.9	42.6
Saudi Arabia	544	2.1	5.7	5.4	75.5	13.3	2.1	11.2	0.0	0.7	3.5
Singapore	874	67.6	10.0	5.7	15.8	83.4	67.6	0.8	0.0	65.0	70.5
Slovenia	603	25.3	18.3	6.5	39.4	50.1	25.3	10.6	0.0	24.5	26.0
South Africa	1790	3.2	3.7	2.7	83.3	9.6	3.2	6.8	0.3	3.8	2.4
Sweden	587	39.8	20.1	5.4	27.0	65.3	39.8	7.1	0.6	35.0	44.1
Thailand	924	10.3	13.3	5.8	57.0	29.4	10.3	13.5	0.0	11.7	8.7
Turkey	871	12.0	11.5	4.0	64.1	27.5	12.0	8.5	0.0	10.9	13.2
United Arab Emirates	2573	15.0	9.5	6.1	62.3	30.6	15.0	7.1	0.0	11.6	18.6
United States	1469	23.9	11.7	3.7	56.5	39.3	23.9	4.0	0.2	21.7	26.1
International Avg (n=39)	36023	22.1	11.9	4.4	51.3	38.4	22.1	10.2	0.1	20.0	24.1
Buenos Aires, Argentina	462	5.4	9.1	2.8	39.5	17.3	5.4	40.9	2.3	4.4	6.4
Ontario, Canada	641	28.3	19.3	4.2	40.3	51.8	28.3	7.1	0.8	27.0	29.7
Quebec, Canada	562	39.2	19.9	1.0	36.6	60.1	39.2	3.4	0.0	32.0	46.9
Norway (8)	667	27.5	24.4	5.1	31.1	56.9	27.5	11.8	0.1	25.7	29.1
Abu Dhabi, UAE	693	11.2	8.0	3.8	68.0	23.1	11.2	8.9	0.0	10.3	12.2
Dubai, UAE	873	23.9	13.4	7.7	50.6	45.1	23.9	4.3	0.0	20.2	28.0
Florida, US	288	21.7	12.0	1.6	56.7	35.2	21.7	7.2	0.8	19.5	23.8

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.

M12_04 (M062143): Number / Reasoning Type: CR 1 Point
Label: Number of girls in a class given boys:girls

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	30.0	54.4	30.0	15.4	0.3	25.8	34.2
Bahrain	697	6.8	77.5	6.8	15.3	0.4	6.1	7.5
Botswana	849	4.6	89.0	4.6	6.3	0.1	5.8	3.3
Canada	1247	30.7	56.8	30.7	11.8	0.7	27.4	34.1
Chile	697	8.3	52.5	8.3	39.2	0.0	4.4	11.6
Chinese Taipei	814	62.3	30.1	62.3	7.6	0.0	63.1	61.6
Egypt	1127	10.1	76.7	10.1	13.2	0.1	10.1	10.1
England	692	31.4	50.9	31.4	17.4	0.4	27.5	35.5
Georgia	577	20.2	48.8	20.2	30.9	0.1	20.2	20.2
Hong Kong SAR	589	53.8	40.7	53.8	5.5	0.0	51.2	56.3
Hungary	704	30.4	44.1	30.4	25.4	0.1	26.2	34.5
Iran, Islamic Rep. of	867	13.2	66.7	13.2	20.0	0.1	6.2	19.5
Ireland	676	31.3	51.9	31.3	16.8	0.0	27.7	34.9
Israel	786	33.3	48.8	33.3	17.8	0.1	26.5	39.9
Italy	653	11.4	51.2	11.4	37.0	0.4	7.2	15.1
Japan	685	52.1	40.3	52.1	7.5	0.1	51.8	52.5
Jordan	1108	5.7	81.5	5.7	12.1	0.6	2.8	8.7
Kazakhstan	696	37.6	47.4	37.6	15.1	0.0	40.5	34.7
Korea, Rep. of	756	63.8	32.6	63.8	3.5	0.1	68.0	59.7
Kuwait	653	4.0	72.2	4.0	23.4	0.4	3.3	4.8
Lebanon	559	4.1	56.5	4.1	39.2	0.2	4.4	3.9
Lithuania	614	22.9	50.2	22.9	27.0	0.0	16.9	29.0
Malaysia	1400	18.8	67.2	18.8	14.1	0.0	15.3	22.1
Malta	547	19.0	64.6	19.0	16.4	0.0	16.0	21.7
Morocco	1735	0.9	65.3	0.9	33.3	0.5	0.9	1.0
New Zealand	1203	25.6	57.0	25.6	17.2	0.1	22.2	28.8
Norway	675	28.6	45.0	28.6	25.9	0.6	23.5	34.0
Oman	1260	5.0	84.3	5.0	10.5	0.2	3.9	5.9
Qatar	770	14.6	72.2	14.6	12.3	0.8	13.0	16.1
Russian Federation	681	39.6	37.5	39.6	22.9	0.0	39.5	39.6
Saudi Arabia	544	1.3	86.9	1.3	11.8	0.0	0.9	1.7
Singapore	874	85.4	14.2	85.4	0.4	0.0	85.9	84.9
Slovenia	603	22.8	49.9	22.8	27.2	0.0	18.5	26.7
South Africa	1790	4.3	87.2	4.3	8.1	0.5	4.6	3.9
Sweden	588	20.5	53.0	20.5	25.4	1.0	16.3	24.4
Thailand	924	12.9	71.1	12.9	15.7	0.3	11.7	14.3
Turkey	871	16.5	66.7	16.5	16.5	0.3	15.2	17.9
United Arab Emirates	2573	14.8	73.7	14.8	11.5	0.0	14.3	15.3
United States	1469	24.9	69.4	24.9	5.1	0.7	22.5	27.0
International Avg (n=39)	36024	23.7	58.6	23.7	17.5	0.2	21.7	25.6
Buenos Aires, Argentina	463	3.5	36.5	3.5	56.1	3.8	4.1	2.9
Ontario, Canada	641	32.0	55.9	32.0	11.0	1.1	31.4	32.7
Quebec, Canada	562	26.0	59.4	26.0	14.3	0.2	18.7	34.0
Norway (8)	667	18.8	50.4	18.8	30.7	0.1	18.6	19.1
Abu Dhabi, UAE	693	10.2	76.7	10.2	13.1	0.0	10.4	10.1
Dubai, UAE	873	25.7	65.5	25.7	8.8	0.0	23.6	27.9
Florida, US	288	22.6	70.5	22.6	6.0	0.8	18.8	26.2

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.

M12_05 (M062230): Algebra / Knowing Type: MC Key: B
Label: Identify expression equivalent to (3x+6)/9x

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	19.0	12.7	19.0	32.4	33.3	2.4	0.3	17.4	20.6
Bahrain	697	43.7	8.8	43.7	18.4	27.3	1.4	0.4	40.9	46.5
Botswana	847	20.8	14.8	20.8	27.2	35.7	1.0	0.5	19.7	21.9
Canada	1245	23.6	12.4	23.6	24.6	35.1	3.6	0.7	22.5	24.6
Chile	697	25.6	12.0	25.6	24.9	33.5	3.9	0.2	23.5	27.3
Chinese Taipei	814	61.7	2.7	61.7	8.4	26.6	0.6	0.0	60.0	63.3
Egypt	1127	28.7	7.7	28.7	35.5	26.8	1.3	0.1	25.2	32.6
England	692	26.9	14.5	26.9	20.6	32.6	4.9	0.5	25.4	28.6
Georgia	577	36.6	10.2	36.6	10.3	39.5	3.2	0.2	36.4	36.8
Hong Kong SAR	589	52.6	7.1	52.6	8.0	31.4	0.8	0.0	52.0	53.3
Hungary	704	34.9	7.0	34.9	10.5	45.8	1.7	0.1	32.1	37.6
Iran, Islamic Rep. of	867	21.4	13.4	21.4	22.4	39.3	3.1	0.3	19.7	22.9
Ireland	676	29.1	7.8	29.1	32.5	28.2	2.4	0.0	28.3	29.8
Israel	786	39.4	6.4	39.4	16.2	33.2	4.6	0.3	33.5	45.1
Italy	653	15.4	7.0	15.4	34.0	40.2	3.0	0.4	17.6	13.6
Japan	685	50.2	6.7	50.2	8.7	33.4	0.9	0.1	45.7	55.1
Jordan	1108	25.3	7.8	25.3	12.9	50.3	3.2	0.6	23.4	27.2
Kazakhstan	696	59.8	6.1	59.8	8.4	24.3	1.2	0.2	62.8	56.9
Korea, Rep. of	756	43.2	4.2	43.2	9.4	42.7	0.4	0.1	44.6	41.7
Kuwait	648	24.6	9.5	24.6	32.4	30.1	2.8	0.6	17.4	32.4
Lebanon	559	31.3	8.1	31.3	13.6	41.0	5.8	0.2	35.4	27.2
Lithuania	614	15.2	6.0	15.2	33.9	42.4	2.4	0.0	18.5	11.9
Malaysia	1400	27.2	8.5	27.2	20.0	41.7	2.6	0.0	25.8	28.5
Malta	547	24.8	10.1	24.8	17.8	44.2	3.1	0.0	25.4	24.3
Morocco	1734	17.9	10.8	17.9	32.4	35.8	2.5	0.5	16.9	18.8
New Zealand	1203	18.2	15.7	18.2	32.7	29.3	3.8	0.2	15.5	20.7
Norway	675	20.6	14.9	20.6	38.1	22.6	3.1	0.7	17.7	23.7
Oman	1262	21.9	11.8	21.9	22.7	41.2	2.2	0.2	19.9	23.7
Qatar	770	27.4	10.4	27.4	22.3	36.6	2.4	0.9	24.2	30.4
Russian Federation	681	51.4	5.0	51.4	9.4	31.5	2.7	0.0	55.5	47.1
Saudi Arabia	544	20.0	22.9	20.0	25.5	28.4	3.2	0.0	15.7	24.1
Singapore	874	74.1	2.6	74.1	4.7	18.0	0.5	0.0	73.2	75.0
Slovenia	603	13.8	5.8	13.8	35.6	42.0	2.7	0.1	10.5	16.7
South Africa	1790	19.8	14.7	19.8	26.2	37.8	1.0	0.5	20.4	19.1
Sweden	588	21.5	13.2	21.5	21.8	36.1	6.4	1.1	14.1	28.3
Thailand	924	22.3	18.6	22.3	22.8	34.4	1.3	0.7	21.6	23.0
Turkey	871	36.7	7.8	36.7	16.5	38.0	0.8	0.3	40.8	32.4
United Arab Emirates	2573	26.4	12.4	26.4	27.0	31.9	2.3	0.0	24.2	28.7
United States	1469	26.6	12.0	26.6	21.4	37.1	2.0	0.8	24.7	28.5
International Avg (n=39)	36016	30.8	10.0	30.8	21.6	34.9	2.5	0.3	29.4	32.1
Buenos Aires, Argentina	456	20.8	8.4	20.8	19.5	23.4	23.7	4.1	17.9	23.5
Ontario, Canada	640	19.0	13.0	19.0	26.7	36.1	4.2	1.1	19.0	19.0
Quebec, Canada	562	28.8	9.6	28.8	22.5	35.9	2.9	0.2	25.9	32.0
Norway (8)	667	18.4	16.4	18.4	33.4	24.3	7.4	0.1	17.2	19.5
Abu Dhabi, UAE	693	20.1	12.4	20.1	30.9	33.0	3.6	0.0	17.2	23.0
Dubai, UAE	873	34.4	8.5	34.4	22.6	33.1	1.4	0.0	36.6	32.0
Florida, US	288	30.6	12.3	30.6	21.0	32.5	2.8	0.8	27.7	33.4

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

M12_06 (M062095): Algebra / Applying Type: MC Key: A
Label: Equation for Bruno's monthly cell phone cost

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	44.9	44.9	24.6	17.7	7.7	4.7	0.4	45.2	44.6
Bahrain	697	55.1	55.1	22.1	13.9	6.5	2.1	0.4	58.8	51.5
Botswana	847	25.8	25.8	29.5	31.4	10.6	2.1	0.6	27.6	23.8
Canada	1246	60.8	60.8	18.4	11.7	5.3	2.9	1.0	62.1	59.5
Chile	697	35.2	35.2	34.1	15.8	8.8	5.9	0.3	34.4	35.7
Chinese Taipei	814	75.0	75.0	12.6	8.5	3.5	0.4	0.0	77.5	72.8
Egypt	1127	25.8	25.8	39.9	21.5	9.9	2.7	0.2	23.7	28.2
England	692	45.7	45.7	22.5	18.8	6.4	6.1	0.5	46.6	44.7
Georgia	577	47.3	47.3	27.8	13.6	6.1	5.0	0.3	53.1	42.4
Hong Kong SAR	589	72.3	72.3	12.2	8.8	5.5	1.2	0.0	74.7	69.8
Hungary	704	55.2	55.2	25.2	15.2	2.5	1.3	0.4	59.0	51.5
Iran, Islamic Rep. of	867	37.0	37.0	30.8	18.8	7.4	5.6	0.3	37.5	36.5
Ireland	676	45.6	45.6	23.9	22.7	4.8	2.9	0.0	48.9	42.4
Israel	786	66.2	66.2	15.6	8.9	4.9	3.7	0.6	69.3	63.2
Italy	653	39.4	39.4	27.9	20.0	6.2	5.8	0.7	39.2	39.6
Japan	685	69.4	69.4	17.4	7.4	4.9	0.7	0.1	72.0	66.6
Jordan	1108	32.3	32.3	40.7	15.5	7.4	3.5	0.6	34.3	30.2
Kazakhstan	696	53.7	53.7	18.7	15.3	10.1	2.0	0.2	55.4	52.0
Korea, Rep. of	756	68.1	68.1	17.4	10.0	3.6	0.8	0.1	71.1	65.1
Kuwait	648	26.9	26.9	35.9	23.2	9.3	3.8	0.8	30.0	23.5
Lebanon	559	25.9	25.9	20.6	25.6	11.2	16.1	0.5	26.8	25.0
Lithuania	614	51.6	51.6	23.3	17.6	4.7	2.8	0.0	50.4	52.8
Malaysia	1400	46.4	46.4	25.2	21.5	5.6	1.1	0.1	49.3	43.6
Malta	547	48.1	48.1	24.5	19.9	4.3	3.2	0.0	47.6	48.4
Morocco	1734	30.3	30.3	33.8	21.0	10.3	4.0	0.5	32.7	28.4
New Zealand	1203	46.4	46.4	28.5	14.8	6.6	3.2	0.3	46.2	46.6
Norway	675	46.4	46.4	25.4	19.6	3.3	4.6	0.7	47.7	44.9
Oman	1262	32.8	32.8	30.9	24.8	9.0	2.4	0.2	32.2	33.3
Qatar	770	39.3	39.3	30.3	18.2	7.8	3.5	0.9	39.1	39.5
Russian Federation	681	60.3	60.3	17.6	10.2	7.9	4.0	0.0	57.7	63.1
Saudi Arabia	544	26.9	26.9	33.0	26.2	11.6	2.4	0.0	29.2	24.6
Singapore	874	78.0	78.0	8.7	9.5	3.4	0.4	0.0	77.0	79.1
Slovenia	603	44.8	44.8	24.1	19.4	8.1	3.6	0.1	47.0	42.8
South Africa	1790	22.4	22.4	31.9	36.2	7.1	1.9	0.5	22.9	21.9
Sweden	588	56.5	56.5	21.9	10.1	5.1	5.3	1.2	58.0	55.2
Thailand	924	33.7	33.7	31.2	23.8	7.3	3.3	0.7	34.6	32.6
Turkey	871	44.2	44.2	27.0	18.9	8.4	1.2	0.3	46.9	41.4
United Arab Emirates	2573	39.8	39.8	26.7	20.0	9.3	4.3	0.0	39.8	39.8
United States	1469	63.3	63.3	20.0	10.2	4.1	1.4	0.9	64.6	62.0
International Avg (n=39)	36017	46.6	46.6	25.2	17.6	6.8	3.4	0.4	48.0	45.4
Buenos Aires, Argentina	453	24.1	24.1	25.3	14.7	4.8	26.8	4.4	25.8	22.4
Ontario, Canada	640	56.6	56.6	19.8	12.7	6.0	3.4	1.5	59.6	53.6
Quebec, Canada	562	72.6	72.6	14.6	6.8	3.6	2.1	0.3	70.1	75.4
Norway (8)	667	34.0	34.0	30.5	24.9	4.3	6.0	0.3	41.4	27.1
Abu Dhabi, UAE	693	34.7	34.7	30.3	21.2	8.5	5.2	0.1	35.6	33.8
Dubai, UAE	873	50.6	50.6	22.1	15.1	8.2	4.1	0.0	48.5	52.8
Florida, US	288	57.4	57.4	21.4	13.0	4.8	2.1	1.3	56.3	58.5

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

M12_07 (M062076): Algebra / Applying Type: MC Key: A
Label: Room divided into classroom M and laboratory L

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	59.4	59.4	22.3	12.3	3.6	2.0	0.4	61.4	57.3
Bahrain	697	61.8	61.8	20.2	9.2	6.6	1.5	0.6	65.5	58.3
Botswana	846	39.7	39.7	28.8	17.8	11.8	0.9	0.9	40.2	39.2
Canada	1247	66.3	66.3	20.2	7.5	3.1	1.7	1.2	66.0	66.6
Chile	697	46.3	46.3	34.2	10.8	5.1	3.5	0.3	49.5	43.6
Chinese Taipei	814	90.5	90.5	5.1	2.9	1.5	0.0	0.0	93.4	88.0
Egypt	1127	34.2	34.2	36.5	18.4	9.2	1.5	0.2	32.7	35.8
England	692	53.5	53.5	25.4	13.6	4.3	2.6	0.5	55.9	51.0
Georgia	577	48.5	48.5	25.7	16.2	6.9	2.2	0.5	52.3	45.3
Hong Kong SAR	589	92.0	92.0	3.7	3.2	0.9	0.2	0.0	92.0	92.0
Hungary	704	60.1	60.1	21.5	13.2	4.2	0.6	0.4	63.4	56.8
Iran, Islamic Rep. of	868	50.1	50.1	28.2	11.6	6.0	3.6	0.4	54.7	46.0
Ireland	676	58.3	58.3	25.9	12.1	2.3	1.4	0.0	62.2	54.4
Israel	785	62.5	62.5	19.1	11.0	3.0	3.7	0.6	65.7	59.5
Italy	653	61.9	61.9	22.4	9.2	3.4	2.2	0.9	60.2	63.5
Japan	685	81.7	81.7	10.8	5.3	1.5	0.6	0.1	86.1	77.0
Jordan	1108	39.6	39.6	30.1	15.5	11.4	2.6	0.7	43.3	35.9
Kazakhstan	696	66.1	66.1	15.8	11.2	5.8	0.9	0.2	69.1	63.2
Korea, Rep. of	756	87.1	87.1	6.2	4.5	1.6	0.5	0.1	89.9	84.3
Kuwait	654	38.8	38.8	31.4	18.2	8.5	2.1	1.0	44.5	33.4
Lebanon	559	53.4	53.4	22.9	11.7	4.5	6.5	1.0	55.5	51.3
Lithuania	614	69.5	69.5	18.4	8.7	3.1	0.2	0.0	71.4	67.6
Malaysia	1400	62.0	62.0	19.3	12.7	5.2	0.7	0.2	65.5	58.6
Malta	547	59.8	59.8	23.9	10.4	4.5	1.4	0.0	61.7	58.1
Morocco	1734	39.1	39.1	40.3	12.0	6.8	1.2	0.7	39.4	38.8
New Zealand	1203	52.2	52.2	28.2	12.1	5.8	1.4	0.3	57.0	47.6
Norway	675	53.1	53.1	31.4	9.1	2.5	2.8	1.0	55.3	50.7
Oman	1262	46.5	46.5	27.7	13.8	10.4	1.2	0.4	52.9	40.6
Qatar	770	52.3	52.3	23.6	14.8	6.8	1.5	0.9	59.9	45.0
Russian Federation	681	68.5	68.5	15.7	10.6	2.6	2.7	0.0	70.1	66.9
Saudi Arabia	544	35.3	35.3	35.4	16.7	10.8	1.9	0.0	36.6	34.0
Singapore	874	91.4	91.4	4.2	2.7	1.4	0.2	0.0	92.7	90.1
Slovenia	603	61.3	61.3	23.3	11.2	2.4	1.3	0.5	63.1	59.8
South Africa	1790	31.9	31.9	37.4	18.4	10.4	1.0	0.8	30.8	33.2
Sweden	588	57.0	57.0	27.3	6.6	2.1	5.9	1.2	58.3	55.8
Thailand	924	50.1	50.1	23.4	15.6	7.9	2.2	0.8	52.5	47.4
Turkey	871	56.6	56.6	19.9	13.6	9.3	0.3	0.3	60.6	52.3
United Arab Emirates	2573	53.1	53.1	24.4	12.9	7.6	1.9	0.0	54.5	51.6
United States	1469	60.4	60.4	20.1	11.7	5.6	1.4	0.9	60.5	60.1
International Avg (n=39)	36023	57.7	57.7	23.1	11.5	5.4	1.8	0.5	60.2	55.4
Buenos Aires, Argentina	458	35.5	35.5	29.0	9.0	7.1	14.6	4.7	34.1	36.8
Ontario, Canada	641	62.1	62.1	20.9	9.3	3.8	2.3	1.6	62.8	61.5
Quebec, Canada	562	77.1	77.1	15.9	4.7	0.8	0.8	0.8	74.3	80.1
Norway (8)	667	42.1	42.1	37.6	11.2	5.3	3.5	0.3	47.5	37.1
Abu Dhabi, UAE	693	45.9	45.9	28.8	14.5	8.4	2.3	0.1	50.5	41.2
Dubai, UAE	873	64.5	64.5	19.4	9.3	5.4	1.3	0.0	65.4	63.6
Florida, US	288	57.4	57.4	21.7	11.1	6.8	1.2	1.8	61.9	53.1

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

M12_08 (M062030): Algebra / Applying Type: CR 1 Point
Label: Find cost of taxi ride with table

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	45.1	34.9	17.2	45.1	2.2	0.6	49.9	40.3
Bahrain	697	52.9	10.2	31.4	52.9	4.7	0.9	66.3	39.9
Botswana	845	44.7	13.3	39.0	44.7	1.5	1.5	50.8	38.1
Canada	1247	55.3	23.1	18.3	55.3	1.9	1.4	59.1	51.4
Chile	697	40.0	32.5	18.0	40.0	8.9	0.4	47.6	33.8
Chinese Taipei	814	74.3	14.3	10.2	74.3	1.2	0.0	75.5	73.3
Egypt	1127	27.3	15.2	49.4	27.3	7.8	0.3	29.9	24.4
England	692	49.6	35.2	13.5	49.6	1.1	0.5	56.3	42.4
Georgia	577	40.5	29.1	22.2	40.5	7.7	0.5	46.0	36.0
Hong Kong SAR	589	65.1	20.7	13.5	65.1	0.8	0.0	65.3	64.8
Hungary	704	50.8	30.1	16.4	50.8	2.3	0.4	51.0	50.6
Iran, Islamic Rep. of	868	45.7	16.3	31.1	45.7	6.2	0.7	51.4	40.5
Ireland	676	58.0	22.4	17.3	58.0	2.2	0.0	63.0	53.2
Israel	786	53.0	21.1	18.2	53.0	6.9	0.9	58.2	47.9
Italy	653	49.1	24.6	19.3	49.1	6.1	0.9	49.4	48.8
Japan	685	63.9	20.1	15.2	63.9	0.7	0.1	67.7	59.6
Jordan	1108	39.1	10.0	44.4	39.1	5.7	0.9	46.3	31.7
Kazakhstan	696	57.2	16.6	22.7	57.2	3.4	0.2	55.4	58.9
Korea, Rep. of	756	70.2	15.6	13.6	70.2	0.5	0.1	73.0	67.5
Kuwait	647	31.0	15.2	41.9	31.0	10.9	1.1	37.2	24.6
Lebanon	559	30.4	25.2	28.3	30.4	15.1	1.0	34.3	26.5
Lithuania	614	54.1	32.6	10.9	54.1	2.4	0.0	62.5	45.6
Malaysia	1400	68.6	6.4	21.7	68.6	2.8	0.6	72.1	65.2
Malta	547	53.5	21.3	21.3	53.5	3.8	0.0	55.4	51.8
Morocco	1734	25.3	22.8	41.3	25.3	9.9	0.7	27.0	23.9
New Zealand	1203	47.5	31.3	18.7	47.5	2.1	0.3	51.7	43.6
Norway	675	33.1	53.9	10.3	33.1	1.5	1.2	33.3	32.9
Oman	1260	40.8	8.4	46.1	40.8	4.3	0.4	47.2	34.8
Qatar	770	41.5	15.6	36.1	41.5	5.9	0.9	49.1	34.1
Russian Federation	681	65.4	13.8	17.3	65.4	3.5	0.1	65.9	64.8
Saudi Arabia	544	35.0	12.6	47.1	35.0	5.4	0.0	38.9	31.2
Singapore	874	73.5	12.1	14.0	73.5	0.4	0.0	74.7	72.1
Slovenia	603	42.6	39.0	15.6	42.6	2.2	0.6	47.7	38.0
South Africa	1790	45.8	10.4	41.5	45.8	1.4	0.9	49.3	41.5
Sweden	588	52.3	32.1	12.3	52.3	2.1	1.2	54.8	50.1
Thailand	924	44.9	33.6	18.1	44.9	2.5	0.8	52.0	36.9
Turkey	871	54.9	15.5	25.8	54.9	3.4	0.4	57.9	51.8
United Arab Emirates	2573	56.4	13.1	27.6	56.4	2.9	0.0	63.7	48.6
United States	1469	57.3	20.4	19.8	57.3	1.4	1.1	65.2	49.7
International Avg (n=39)	36014	49.6	21.6	24.3	49.6	4.0	0.6	53.9	45.4
Buenos Aires, Argentina	463	24.0	31.8	18.0	24.0	20.9	5.4	28.2	20.1
Ontario, Canada	641	56.8	22.1	17.2	56.8	1.9	2.0	60.3	53.4
Quebec, Canada	562	53.1	24.6	19.3	53.1	2.3	0.8	55.9	50.1
Norway (8)	667	24.9	61.8	11.1	24.9	2.0	0.3	28.8	21.2
Abu Dhabi, UAE	693	50.9	14.9	30.6	50.9	3.5	0.1	62.9	38.6
Dubai, UAE	873	66.4	12.4	20.1	66.4	1.1	0.0	71.9	60.5
Florida, US	288	55.6	16.9	23.1	55.6	2.5	1.8	61.8	49.7

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.

M12_09 (M062171): Geometry / Knowing Type: MC Key: D
Label: Shaded square reflected over the line XY

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	72.7	4.2	13.9	7.1	72.7	1.6	0.6	76.0	69.3
Bahrain	697	65.5	4.6	18.4	10.0	65.5	0.4	1.1	71.6	59.5
Botswana	845	38.8	20.4	19.6	18.1	38.8	1.2	1.9	35.3	42.6
Canada	1247	78.5	3.4	6.2	8.7	78.5	1.7	1.5	82.0	74.9
Chile	697	59.0	16.4	9.9	11.2	59.0	3.1	0.4	61.2	57.2
Chinese Taipei	814	70.1	5.7	16.0	8.1	70.1	0.2	0.0	73.6	66.9
Egypt	1127	42.7	10.2	23.8	21.9	42.7	0.8	0.6	43.5	41.9
England	692	77.3	3.5	8.8	8.3	77.3	1.4	0.6	80.4	74.1
Georgia	577	47.1	18.3	18.6	11.9	47.1	3.7	0.5	51.5	43.4
Hong Kong SAR	589	82.4	2.6	6.4	8.2	82.4	0.3	0.0	85.2	79.5
Hungary	704	77.8	4.9	10.2	6.0	77.8	0.6	0.4	80.9	74.9
Iran, Islamic Rep. of	868	45.7	16.4	16.2	18.4	45.7	2.4	0.8	47.9	43.8
Ireland	676	64.4	6.3	17.1	9.9	64.4	2.0	0.2	68.9	60.0
Israel	786	51.6	9.1	19.3	15.4	51.6	3.1	1.4	58.9	44.7
Italy	653	61.3	9.5	15.1	11.8	61.3	1.3	1.2	67.0	56.2
Japan	685	91.9	2.3	2.9	2.5	91.9	0.3	0.1	92.4	91.5
Jordan	1108	37.0	11.8	26.7	21.3	37.0	2.3	0.9	41.6	32.4
Kazakhstan	696	56.0	22.1	8.9	12.5	56.0	0.4	0.3	62.7	49.3
Korea, Rep. of	756	92.7	0.6	3.7	2.8	92.7	0.1	0.1	95.1	90.4
Kuwait	653	40.3	9.2	29.2	17.0	40.3	3.1	1.2	43.9	36.9
Lebanon	559	42.0	13.4	21.8	15.8	42.0	5.9	1.2	42.6	41.4
Lithuania	614	69.5	6.5	12.6	10.4	69.5	0.9	0.0	78.0	60.9
Malaysia	1400	61.9	9.8	14.0	13.2	61.9	0.6	0.6	62.5	61.4
Malta	547	68.2	10.6	11.6	7.3	68.2	2.4	0.0	70.7	66.0
Morocco	1733	46.5	27.4	13.1	11.0	46.5	1.2	0.8	43.7	48.8
New Zealand	1203	73.8	3.7	14.4	6.3	73.8	1.5	0.3	76.0	71.7
Norway	675	64.6	5.7	14.7	12.1	64.6	1.7	1.3	68.5	60.4
Oman	1262	49.7	10.8	20.9	17.2	49.7	1.0	0.4	58.9	41.3
Qatar	770	54.3	9.3	21.5	12.9	54.3	1.0	0.9	61.8	47.1
Russian Federation	681	56.8	9.3	12.7	19.5	56.8	1.5	0.1	56.6	57.1
Saudi Arabia	544	35.6	7.6	34.4	19.8	35.6	2.1	0.6	42.1	29.2
Singapore	874	83.0	3.7	8.0	5.1	83.0	0.1	0.0	86.0	79.9
Slovenia	603	84.7	2.8	5.8	5.4	84.7	0.7	0.6	86.3	83.2
South Africa	1790	31.3	27.5	21.6	15.7	31.3	2.7	1.0	30.4	32.4
Sweden	588	41.5	5.4	33.6	14.2	41.5	3.7	1.5	46.4	37.1
Thailand	924	53.6	12.0	19.4	13.6	53.6	0.5	0.8	59.6	46.7
Turkey	871	68.1	8.1	12.6	10.8	68.1	0.0	0.4	70.2	66.0
United Arab Emirates	2573	51.9	7.8	24.5	13.8	51.9	1.9	0.1	55.6	48.1
United States	1469	67.8	6.8	15.1	8.1	67.8	1.0	1.2	70.8	64.8
International Avg (n=39)	36021	60.5	9.5	16.0	11.9	60.5	1.6	0.7	63.7	57.2
Buenos Aires, Argentina	460	33.3	17.1	13.5	12.8	33.3	17.6	5.8	34.4	32.2
Ontario, Canada	641	81.3	4.0	4.7	6.5	81.3	1.4	2.0	86.0	76.6
Quebec, Canada	562	75.4	3.0	7.3	10.5	75.4	2.7	1.0	76.1	74.7
Norway (8)	667	63.4	6.1	15.1	13.3	63.4	1.9	0.3	71.6	55.7
Abu Dhabi, UAE	693	48.5	8.5	25.7	14.5	48.5	2.6	0.1	52.8	44.1
Dubai, UAE	873	66.3	4.9	18.2	9.4	66.3	1.1	0.0	67.6	65.0
Florida, US	288	68.9	6.7	16.4	5.1	68.9	0.7	2.2	71.3	66.5

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

M12_10 (M062301): Geometry / Reasoning Type: CR 1 Point
Label: Sculpture from solid cube - number of faces

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	40.9	55.6	40.9	2.9	0.6	37.5	44.4
Bahrain	697	9.2	81.3	9.2	8.3	1.2	8.6	9.7
Botswana	845	4.3	91.6	4.3	1.8	2.2	4.0	4.7
Canada	1247	37.4	56.6	37.4	4.1	1.8	32.2	42.8
Chile	697	18.4	67.2	18.4	13.9	0.5	11.1	24.4
Chinese Taipei	814	58.3	38.7	58.3	3.0	0.0	56.9	59.5
Egypt	1127	1.6	87.4	1.6	10.2	0.8	1.8	1.4
England	692	33.8	62.6	33.8	3.0	0.6	34.3	33.2
Georgia	577	9.8	63.6	9.8	25.6	0.9	10.3	9.4
Hong Kong SAR	589	57.4	41.6	57.4	1.0	0.0	55.2	59.7
Hungary	704	37.2	59.2	37.2	3.2	0.4	34.7	39.6
Iran, Islamic Rep. of	867	4.9	72.6	4.9	21.4	1.1	4.6	5.2
Ireland	676	36.7	60.5	36.7	2.6	0.2	37.3	36.1
Israel	786	16.3	67.3	16.3	14.7	1.7	14.5	18.0
Italy	652	25.3	64.0	25.3	9.6	1.2	19.7	30.1
Japan	685	51.5	46.4	51.5	2.0	0.1	54.3	48.5
Jordan	1108	3.4	88.5	3.4	7.2	0.9	1.7	5.2
Kazakhstan	696	23.3	67.8	23.3	8.6	0.3	20.1	26.5
Korea, Rep. of	756	49.3	49.2	49.3	1.5	0.1	46.5	52.0
Kuwait	651	4.6	82.0	4.6	12.1	1.3	5.3	4.0
Lebanon	558	2.9	69.9	2.9	26.0	1.2	3.5	2.3
Lithuania	614	32.8	62.1	32.8	5.1	0.0	35.0	30.5
Malaysia	1400	15.2	72.2	15.2	11.8	0.8	10.4	19.7
Malta	547	23.4	71.1	23.4	5.3	0.2	23.5	23.3
Morocco	1734	1.7	81.3	1.7	16.0	0.9	1.1	2.3
New Zealand	1203	32.1	63.6	32.1	3.9	0.3	29.5	34.6
Norway	675	29.9	63.3	29.9	5.5	1.3	30.1	29.6
Oman	1260	4.0	88.1	4.0	7.4	0.6	3.2	4.7
Qatar	770	14.2	77.3	14.2	7.4	1.1	13.2	15.2
Russian Federation	681	17.6	64.1	17.6	18.2	0.1	15.3	20.0
Saudi Arabia	544	2.5	89.9	2.5	7.0	0.7	2.0	3.0
Singapore	874	50.1	49.1	50.1	0.7	0.0	47.6	52.9
Slovenia	603	31.0	61.7	31.0	6.6	0.6	29.6	32.3
South Africa	1790	4.9	91.2	4.9	2.4	1.5	5.2	4.6
Sweden	588	31.7	56.6	31.7	9.1	2.5	28.0	35.1
Thailand	924	6.1	87.1	6.1	5.9	0.8	5.3	7.1
Turkey	871	15.9	76.7	15.9	7.0	0.4	15.4	16.5
United Arab Emirates	2573	12.3	80.6	12.3	7.0	0.1	10.8	13.9
United States	1469	28.2	68.0	28.2	2.4	1.3	25.0	31.5
International Avg (n=39)	36015	22.6	68.7	22.6	8.0	0.8	21.1	23.9
Buenos Aires, Argentina	463	8.0	57.2	8.0	28.8	6.0	7.0	8.9
Ontario, Canada	641	39.3	55.1	39.3	3.3	2.2	34.5	44.1
Quebec, Canada	562	35.4	56.4	35.4	6.7	1.5	29.7	41.6
Norway (8)	667	24.8	67.8	24.8	7.1	0.3	26.1	23.7
Abu Dhabi, UAE	693	9.8	80.3	9.8	9.8	0.1	9.1	10.6
Dubai, UAE	873	20.9	75.2	20.9	4.0	0.0	16.8	25.2
Florida, US	288	17.1	76.8	17.1	3.8	2.2	13.6	20.6

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.

M12_11 (M062194): Geometry / Reasoning Type: MC Key: C
Label: Number of cubes in solid figure

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	79.4	2.4	9.5	79.4	7.2	0.9	0.6	81.6	77.1
Bahrain	697	72.4	3.4	12.0	72.4	10.4	0.6	1.2	75.2	69.7
Botswana	844	47.9	12.1	20.5	47.9	15.1	1.9	2.6	49.2	46.5
Canada	1247	77.7	1.6	9.8	77.7	6.8	1.7	2.5	76.0	79.5
Chile	697	62.2	3.9	16.4	62.2	14.7	1.9	1.0	64.3	60.4
Chinese Taipei	814	94.4	0.5	1.6	94.4	3.1	0.2	0.2	95.4	93.6
Egypt	1127	43.4	13.4	23.7	43.4	17.5	1.1	0.9	40.6	46.5
England	692	71.7	2.6	16.1	71.7	7.2	1.7	0.8	75.8	67.3
Georgia	577	62.5	7.6	12.9	62.5	14.7	1.0	1.2	64.8	60.5
Hong Kong SAR	589	92.1	0.6	2.0	92.1	4.8	0.5	0.0	93.1	91.1
Hungary	704	79.2	1.4	9.1	79.2	9.0	0.9	0.5	79.4	78.9
Iran, Islamic Rep. of	867	60.3	9.3	14.0	60.3	12.8	2.3	1.3	58.8	61.6
Ireland	676	75.5	1.6	11.7	75.5	9.3	1.7	0.2	76.6	74.5
Israel	786	74.4	3.2	9.6	74.4	7.1	3.4	2.3	76.4	72.6
Italy	653	73.0	3.9	10.2	73.0	10.1	1.6	1.2	76.5	70.0
Japan	685	91.3	1.3	4.2	91.3	3.1	0.0	0.1	91.0	91.5
Jordan	1108	47.7	10.1	22.3	47.7	16.9	2.1	1.0	48.3	47.1
Kazakhstan	696	75.5	5.3	9.2	75.5	8.2	1.5	0.4	72.5	78.4
Korea, Rep. of	756	93.0	0.2	1.2	93.0	5.3	0.2	0.1	93.8	92.2
Kuwait	654	46.7	10.1	26.7	46.7	12.7	2.2	1.6	48.2	45.5
Lebanon	559	50.7	9.1	25.1	50.7	10.6	3.1	1.4	43.7	57.7
Lithuania	614	82.4	0.8	7.1	82.4	8.4	0.9	0.5	81.4	83.4
Malaysia	1400	70.9	4.3	15.1	70.9	6.3	1.5	1.9	71.7	70.2
Malta	547	74.7	3.5	12.9	74.7	7.5	1.3	0.2	77.0	72.7
Morocco	1731	55.5	11.0	14.2	55.5	15.4	2.4	1.6	49.5	60.1
New Zealand	1203	77.9	1.6	10.2	77.9	7.2	2.5	0.6	76.0	79.6
Norway	675	81.6	1.6	5.2	81.6	8.6	1.2	1.8	83.6	79.5
Oman	1262	52.1	13.7	16.1	52.1	15.8	1.5	0.8	52.7	51.5
Qatar	770	56.9	7.4	20.3	56.9	12.5	1.3	1.5	59.9	54.0
Russian Federation	681	81.3	1.9	8.5	81.3	6.6	1.1	0.5	83.6	78.8
Saudi Arabia	543	45.9	10.2	26.9	45.9	15.2	1.2	0.7	43.2	48.5
Singapore	874	92.3	0.4	2.1	92.3	4.5	0.5	0.2	92.3	92.2
Slovenia	603	79.6	2.1	7.8	79.6	8.0	1.6	0.9	77.4	81.6
South Africa	1790	49.6	9.4	20.1	49.6	17.8	1.5	1.6	51.4	47.4
Sweden	588	76.6	1.6	9.1	76.6	6.2	3.7	2.8	77.0	76.2
Thailand	924	61.7	6.2	19.9	61.7	8.8	2.4	1.0	62.6	60.7
Turkey	870	65.2	7.0	16.6	65.2	10.1	0.6	0.5	64.5	66.0
United Arab Emirates	2573	61.2	6.0	19.5	61.2	10.8	2.1	0.4	64.1	58.2
United States	1469	71.1	2.8	12.8	71.1	9.2	2.4	1.8	72.6	69.6
International Avg (n=39)	36016	69.4	5.0	13.1	69.4	9.9	1.5	1.0	69.8	69.0
Buenos Aires, Argentina	457	50.8	5.7	18.2	50.8	11.2	6.9	7.1	48.3	53.2
Ontario, Canada	641	77.8	0.9	10.8	77.8	5.8	1.5	3.3	78.3	77.3
Quebec, Canada	562	84.0	1.7	6.2	84.0	5.8	0.9	1.5	80.7	87.6
Norway (8)	667	76.1	1.5	11.0	76.1	8.3	2.6	0.5	79.3	73.1
Abu Dhabi, UAE	693	59.2	6.5	20.2	59.2	11.6	1.8	0.7	60.6	57.8
Dubai, UAE	873	68.9	4.1	17.1	68.9	8.7	1.0	0.1	74.7	62.6
Florida, US	288	70.8	4.1	11.3	70.8	7.1	4.2	2.5	70.4	71.3

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

M12_12 (M062344): Data and Chance / Applying Type: CR 1 Point
Label: Total bowls to raise average to 15

COUNTRY	N	10 %	11 %	12 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	10.5	4.0	0.3	73.5	14.9	10.9	0.7	15.9	13.9
Bahrain	697	4.5	19.6	0.4	60.0	24.5	14.3	1.2	32.1	17.2
Botswana	844	6.7	3.0	0.0	84.2	9.7	3.0	3.1	11.3	8.0
Canada	1247	10.8	3.7	0.1	73.4	14.5	9.3	2.8	16.2	12.8
Chile	697	1.1	2.4	0.0	64.1	3.5	31.2	1.2	4.6	2.7
Chinese Taipei	814	58.4	6.6	0.8	28.2	65.8	5.9	0.2	65.7	65.8
Egypt	1127	2.1	0.8	0.0	86.2	2.9	9.9	1.0	1.9	4.0
England	692	9.4	5.3	0.0	73.7	14.7	10.3	1.4	15.1	14.2
Georgia	577	7.9	1.5	0.0	62.1	9.5	27.3	1.2	8.0	10.7
Hong Kong SAR	589	57.5	6.0	0.3	33.9	63.8	2.3	0.0	65.5	62.1
Hungary	704	14.2	2.8	0.1	67.2	17.1	14.6	1.1	17.4	16.9
Iran, Islamic Rep. of	867	4.7	11.1	0.1	61.7	15.9	20.8	1.6	13.6	17.9
Ireland	676	16.5	4.4	0.2	68.5	21.0	10.2	0.3	21.7	20.4
Israel	786	33.9	7.0	0.1	37.1	41.1	19.2	2.6	41.0	41.1
Italy	653	10.4	2.6	0.1	59.6	13.0	25.8	1.5	12.8	13.2
Japan	685	7.0	40.2	0.0	47.3	47.2	5.4	0.1	45.1	49.6
Jordan	1108	1.8	0.8	0.0	85.4	2.6	10.9	1.1	2.8	2.4
Kazakhstan	696	21.4	3.2	0.1	63.6	24.7	11.1	0.5	23.1	26.4
Korea, Rep. of	756	52.3	2.4	0.0	41.7	54.6	3.6	0.1	53.2	56.0
Kuwait	654	3.4	5.6	0.0	72.1	9.0	17.3	1.6	9.5	8.2
Lebanon	559	4.1	1.5	0.0	57.6	5.7	35.3	1.4	4.5	6.8
Lithuania	614	41.9	2.6	0.2	38.9	44.7	15.8	0.5	48.3	41.1
Malaysia	1400	20.7	5.6	0.0	57.6	26.3	13.7	2.4	25.9	26.7
Malta	547	8.1	4.7	0.0	71.3	12.9	15.7	0.2	15.4	10.7
Morocco	1734	1.4	1.2	0.0	73.8	2.6	21.3	2.3	3.1	2.2
New Zealand	1203	7.5	3.4	0.0	76.7	10.9	11.3	1.2	11.4	10.4
Norway	675	33.4	11.7	0.0	41.4	45.0	11.7	1.8	44.9	45.2
Oman	1261	5.9	2.9	0.3	78.7	9.1	11.3	1.0	10.6	7.7
Qatar	770	4.7	2.9	0.0	79.5	7.6	11.3	1.5	8.0	7.2
Russian Federation	681	47.0	4.7	0.1	28.4	51.8	19.1	0.7	49.6	54.1
Saudi Arabia	544	4.1	3.6	0.0	81.8	7.7	9.7	0.7	9.4	6.1
Singapore	874	41.9	22.0	1.0	32.8	64.9	2.1	0.2	68.7	60.9
Slovenia	603	29.2	3.5	0.5	52.7	33.2	13.1	1.0	33.3	33.0
South Africa	1790	8.2	3.1	0.0	81.4	11.4	5.1	2.2	12.1	10.4
Sweden	588	18.6	7.0	0.4	55.4	25.9	15.6	3.0	27.6	24.4
Thailand	924	8.3	3.6	0.0	71.8	11.9	15.0	1.3	13.5	10.0
Turkey	871	11.6	4.0	0.0	71.8	15.6	12.1	0.5	15.4	15.9
United Arab Emirates	2573	7.3	4.1	0.0	77.7	11.4	10.3	0.5	11.8	11.0
United States	1469	10.4	5.1	0.0	78.1	15.5	3.8	2.6	17.8	13.3
International Avg (n=39)	36020	16.6	5.9	0.1	62.8	22.7	13.3	1.2	23.3	22.1
Buenos Aires, Argentina	462	8.3	2.5	0.0	37.6	10.8	44.1	7.6	10.2	11.3
Ontario, Canada	641	10.1	4.4	0.0	72.5	14.6	9.6	3.3	17.0	12.2
Quebec, Canada	562	12.8	2.5	0.2	73.1	15.6	9.8	1.6	14.9	16.4
Norway (8)	667	30.5	8.2	0.0	47.5	38.7	12.8	1.0	44.7	33.1
Abu Dhabi, UAE	693	5.3	3.3	0.0	78.5	8.6	12.0	0.9	8.6	8.6
Dubai, UAE	873	12.3	5.6	0.0	72.5	17.9	9.4	0.2	18.9	16.9
Florida, US	288	9.7	3.6	0.0	77.6	13.3	5.2	3.9	14.5	12.1

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.

M12_13 (M062320): Data and Chance / Applying Type: MC Key: D
Label: Fishing histogram - proportion of fish released

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	48.4	8.1	22.7	18.1	48.4	1.7	1.0	46.8	50.1
Bahrain	697	40.8	9.1	29.4	18.2	40.8	0.6	1.8	42.3	39.3
Botswana	847	19.2	9.4	39.7	24.5	19.2	2.5	4.7	18.0	20.5
Canada	1246	53.4	4.8	19.0	15.6	53.4	3.0	4.1	51.2	55.6
Chile	697	15.4	13.4	47.7	16.7	15.4	5.0	1.8	10.5	19.6
Chinese Taipei	814	73.4	4.1	11.3	10.3	73.4	0.6	0.2	72.0	74.7
Egypt	1127	18.8	11.9	37.9	27.8	18.8	2.5	1.1	19.4	18.0
England	692	50.2	6.8	22.0	16.2	50.2	3.2	1.5	50.7	49.8
Georgia	577	24.8	11.4	34.7	21.0	24.8	4.3	3.7	26.2	23.7
Hong Kong SAR	589	76.3	4.3	11.6	7.4	76.3	0.3	0.0	76.9	75.7
Hungary	704	43.6	9.2	25.3	19.0	43.6	1.7	1.2	43.6	43.5
Iran, Islamic Rep. of	868	23.9	12.7	33.7	22.0	23.9	4.8	2.9	18.4	28.9
Ireland	676	61.5	5.5	16.0	14.4	61.5	1.8	0.8	64.2	58.9
Israel	786	46.1	5.6	28.0	13.0	46.1	3.6	3.7	45.9	46.3
Italy	653	31.2	8.1	36.7	16.7	31.2	4.7	2.6	26.9	35.0
Japan	685	67.8	7.2	12.3	12.4	67.8	0.0	0.3	67.3	68.3
Jordan	1107	13.1	12.8	41.8	26.9	13.1	3.7	1.6	13.3	12.9
Kazakhstan	696	40.1	12.2	26.2	18.5	40.1	2.0	1.0	38.6	41.6
Korea, Rep. of	756	80.9	1.9	8.2	8.6	80.9	0.2	0.2	85.0	76.8
Kuwait	647	15.2	9.4	44.5	24.2	15.2	4.3	2.3	18.9	11.5
Lebanon	559	17.0	6.9	44.3	16.2	17.0	10.5	5.2	12.0	22.0
Lithuania	614	43.4	9.9	24.6	20.0	43.4	1.5	0.7	39.0	47.8
Malaysia	1400	32.9	9.5	30.8	21.8	32.9	1.2	3.9	32.7	33.0
Malta	547	42.9	8.3	30.8	15.0	42.9	2.3	0.6	41.7	43.9
Morocco	1732	11.6	9.3	52.4	20.3	11.6	3.1	3.3	10.3	12.7
New Zealand	1203	45.9	7.5	23.8	18.2	45.9	3.1	1.5	45.8	46.1
Norway	675	52.8	5.5	19.2	17.8	52.8	2.3	2.3	54.3	51.3
Oman	1262	18.8	11.1	40.0	26.3	18.8	2.1	1.6	18.0	19.6
Qatar	770	27.1	11.4	36.6	19.7	27.1	3.2	2.1	26.6	27.7
Russian Federation	681	45.0	5.9	23.0	20.0	45.0	3.8	2.2	43.0	47.1
Saudi Arabia	542	16.5	13.6	36.3	31.2	16.5	1.5	1.0	18.1	14.9
Singapore	874	84.0	2.4	8.4	4.6	84.0	0.5	0.2	83.3	84.7
Slovenia	603	43.0	7.0	25.3	19.6	43.0	3.5	1.5	44.3	41.9
South Africa	1790	15.5	12.6	50.1	17.2	15.5	1.6	3.0	15.5	15.5
Sweden	588	54.7	7.7	18.3	12.0	54.7	3.3	4.0	53.8	55.4
Thailand	924	17.5	12.7	39.0	25.9	17.5	2.8	2.1	18.5	16.3
Turkey	871	36.7	14.6	25.5	22.2	36.7	0.7	0.5	38.6	34.6
United Arab Emirates	2573	31.5	9.3	37.3	17.8	31.5	3.0	1.1	33.2	29.8
United States	1469	46.8	8.6	20.6	19.9	46.8	1.4	2.7	47.2	46.4
International Avg (n=39)	36012	39.2	8.8	29.1	18.4	39.2	2.6	1.9	38.8	39.5
Buenos Aires, Argentina	456	12.7	5.8	39.8	12.5	12.7	16.6	12.5	14.5	11.1
Ontario, Canada	641	49.7	4.9	21.5	16.1	49.7	2.8	5.1	49.8	49.5
Quebec, Canada	562	63.9	2.7	15.1	12.5	63.9	3.8	2.0	57.5	70.8
Norway (8)	667	43.9	6.1	27.1	19.1	43.9	2.4	1.4	47.2	40.9
Abu Dhabi, UAE	693	27.5	10.3	38.9	17.7	27.5	3.5	2.1	33.9	21.0
Dubai, UAE	873	43.9	7.4	30.0	15.7	43.9	2.3	0.8	42.1	45.8
Florida, US	288	40.8	7.8	26.5	18.5	40.8	2.6	3.9	40.3	41.2

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

M12_14 (M062296): Data and Chance / Reasoning Type: CR 1 Point
Label: Draw a spinner given chance of outcomes

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1471	75.8	20.2	75.8	2.7	1.2	74.6	77.0
Bahrain	697	34.0	53.3	34.0	10.7	2.0	39.3	28.9
Botswana	847	12.1	74.0	12.1	8.2	5.7	11.9	12.3
Canada	1247	73.7	18.1	73.7	3.1	5.1	76.7	70.7
Chile	697	41.9	37.0	41.9	18.4	2.7	33.4	48.9
Chinese Taipei	814	66.9	24.1	66.9	8.8	0.2	64.2	69.4
Egypt	1127	16.2	70.3	16.2	12.0	1.4	19.4	12.7
England	692	70.9	23.4	70.9	3.3	2.3	69.6	72.3
Georgia	577	16.5	55.5	16.5	23.2	4.8	16.2	16.7
Hong Kong SAR	589	75.4	20.5	75.4	4.1	0.0	77.0	73.8
Hungary	704	66.6	27.2	66.6	4.9	1.3	65.4	67.8
Iran, Islamic Rep. of	868	40.7	46.5	40.7	9.2	3.6	42.8	38.9
Ireland	676	70.1	25.6	70.1	3.5	0.8	71.3	68.9
Israel	786	48.7	36.2	48.7	11.2	3.9	47.6	49.7
Italy	653	63.5	23.4	63.5	9.9	3.2	59.2	67.3
Japan	685	82.4	14.4	82.4	3.0	0.3	83.1	81.6
Jordan	1107	18.4	71.8	18.4	8.0	1.8	21.5	15.3
Kazakhstan	696	22.7	55.5	22.7	20.5	1.3	21.2	24.2
Korea, Rep. of	756	78.3	19.6	78.3	1.9	0.2	78.1	78.4
Kuwait	654	17.9	64.3	17.9	14.4	3.4	19.1	17.0
Lebanon	559	24.5	41.2	24.5	27.5	6.8	27.2	21.8
Lithuania	614	40.7	49.8	40.7	8.8	0.7	41.5	39.8
Malaysia	1400	24.8	56.8	24.8	14.1	4.3	22.6	26.9
Malta	547	54.1	37.8	54.1	7.5	0.6	53.4	54.7
Morocco	1734	11.6	62.5	11.6	22.0	4.0	13.6	10.0
New Zealand	1203	63.5	30.7	63.5	4.2	1.7	65.9	61.3
Norway	675	66.9	23.2	66.9	6.6	3.2	67.9	65.8
Oman	1258	18.8	67.9	18.8	11.5	1.8	21.3	16.5
Qatar	770	30.8	56.8	30.8	10.4	2.1	30.8	30.8
Russian Federation	681	42.2	34.9	42.2	20.4	2.4	39.4	45.2
Saudi Arabia	544	8.8	78.3	8.8	11.3	1.6	11.7	6.1
Singapore	874	74.6	23.1	74.6	1.8	0.4	74.3	75.0
Slovenia	603	45.0	45.4	45.0	7.4	2.2	42.8	47.0
South Africa	1790	14.0	75.6	14.0	7.0	3.4	13.8	14.2
Sweden	588	68.5	19.6	68.5	7.7	4.2	66.5	70.4
Thailand	924	25.3	58.5	25.3	13.9	2.3	25.8	24.6
Turkey	871	43.2	48.1	43.2	8.0	0.7	42.5	43.9
United Arab Emirates	2573	38.4	53.1	38.4	7.0	1.5	39.0	37.7
United States	1469	63.4	30.8	63.4	2.7	3.1	63.9	62.8
International Avg (n=39)	36020	44.9	42.9	44.9	9.8	2.4	45.0	44.8
Buenos Aires, Argentina	463	30.5	28.1	30.5	27.1	14.4	33.3	27.9
Ontario, Canada	641	75.8	15.6	75.8	2.7	5.8	82.4	69.3
Quebec, Canada	562	71.6	20.1	71.6	4.7	3.6	69.0	74.5
Norway (8)	667	62.3	28.2	62.3	7.9	1.5	64.8	59.9
Abu Dhabi, UAE	693	30.4	59.8	30.4	7.0	2.8	34.1	26.6
Dubai, UAE	873	58.7	35.4	58.7	5.0	0.9	58.4	58.9
Florida, US	288	55.9	36.7	55.9	2.3	5.1	55.2	56.7

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.

M13_01 (M052024): Number / Knowing Type: MC Key: B
Label: Octagon with equivalent shading

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	61.2	31.8	61.2	1.2	4.1	1.3	0.3	58.6	63.9
Bahrain	705	52.6	37.7	52.6	3.2	5.4	0.6	0.6	55.3	50.0
Botswana	839	23.8	60.1	23.8	6.7	7.2	2.3	0.0	22.4	25.2
Canada	1233	63.4	25.2	63.4	3.7	5.9	1.5	0.3	60.5	66.4
Chile	693	39.5	51.6	39.5	1.9	4.6	1.6	0.8	38.6	40.2
Chinese Taipei	819	72.1	22.9	72.1	1.8	2.6	0.7	0.0	69.6	74.4
Egypt	1100	38.4	45.8	38.4	6.1	7.5	2.0	0.2	37.7	39.2
England	686	59.8	29.6	59.8	4.5	4.8	1.0	0.3	59.2	60.4
Georgia	582	46.2	38.8	46.2	2.3	9.2	3.3	0.2	43.9	48.6
Hong Kong SAR	597	80.1	13.3	80.1	2.5	3.9	0.2	0.0	78.5	81.7
Hungary	689	63.0	30.4	63.0	1.8	3.4	1.1	0.3	60.6	65.1
Iran, Islamic Rep. of	878	41.2	38.1	41.2	4.5	10.8	5.4	0.1	35.6	46.1
Ireland	677	65.7	25.9	65.7	3.3	4.2	0.8	0.1	64.9	66.5
Israel	793	58.5	28.4	58.5	4.2	5.3	3.4	0.3	59.2	57.7
Italy	665	41.0	47.9	41.0	2.9	5.2	3.0	0.0	39.7	42.2
Japan	669	67.7	27.2	67.7	2.9	1.9	0.1	0.2	66.9	68.5
Jordan	1124	27.9	57.3	27.9	2.8	9.4	2.5	0.2	28.2	27.6
Kazakhstan	697	52.5	36.3	52.5	4.9	4.8	1.5	0.0	56.5	48.5
Korea, Rep. of	753	83.8	11.9	83.8	1.7	2.2	0.3	0.0	87.3	80.6
Kuwait	660	32.4	49.8	32.4	4.9	7.1	5.4	0.4	26.5	38.1
Lebanon	550	29.2	44.8	29.2	5.2	6.4	12.1	2.3	28.3	30.1
Lithuania	620	54.5	39.4	54.5	2.6	2.7	0.9	0.0	54.1	55.0
Malaysia	1394	43.4	42.3	43.4	2.4	10.7	1.0	0.1	42.8	43.9
Malta	544	49.4	38.1	49.4	3.7	6.4	2.1	0.2	49.7	49.2
Morocco	1730	26.7	56.8	26.7	4.0	8.3	4.2	0.0	27.8	25.8
New Zealand	1152	52.2	37.1	52.2	2.6	5.6	2.4	0.1	51.4	53.2
Norway	673	66.5	22.9	66.5	2.8	4.9	2.8	0.1	65.9	67.1
Oman	1271	30.2	53.5	30.2	3.8	9.2	3.1	0.1	32.7	27.9
Qatar	770	39.1	48.4	39.1	4.0	5.8	2.2	0.5	35.0	42.9
Russian Federation	685	55.6	35.8	55.6	2.1	4.4	2.0	0.1	52.4	58.8
Saudi Arabia	541	32.0	55.8	32.0	4.3	7.1	0.7	0.0	29.6	34.5
Singapore	872	82.4	10.2	82.4	2.4	4.8	0.2	0.0	86.0	78.8
Slovenia	606	55.2	35.0	55.2	3.4	4.3	1.8	0.3	51.7	59.2
South Africa	1794	21.7	59.8	21.7	6.8	8.2	3.3	0.2	22.2	21.2
Sweden	573	58.1	32.0	58.1	3.8	3.0	2.8	0.3	53.7	62.6
Thailand	925	36.1	50.9	36.1	5.1	6.4	1.5	0.0	33.4	39.2
Turkey	865	44.3	40.1	44.3	3.7	11.4	0.4	0.1	43.3	45.2
United Arab Emirates	2581	43.8	44.5	43.8	2.0	8.0	1.7	0.0	42.5	45.2
United States	1463	60.2	30.6	60.2	1.8	5.8	1.1	0.4	58.8	61.3
International Avg (n=39)	35936	50.0	38.2	50.0	3.4	6.0	2.2	0.2	49.0	51.1
Buenos Aires, Argentina	430	27.2	44.6	27.2	3.1	8.3	14.5	2.3	25.3	29.7
Ontario, Canada	631	61.0	27.3	61.0	3.3	6.1	1.8	0.5	60.5	61.4
Quebec, Canada	562	71.0	19.1	71.0	4.8	4.3	0.7	0.1	63.0	78.9
Norway (8)	668	61.8	27.9	61.8	2.2	4.9	2.7	0.5	60.9	62.7
Abu Dhabi, UAE	693	38.6	49.7	38.6	2.0	7.4	2.2	0.0	37.4	39.9
Dubai, UAE	869	57.4	33.8	57.4	1.5	6.4	0.8	0.0	58.5	56.3
Florida, US	286	47.8	39.6	47.8	3.3	8.2	1.1	0.0	48.2	47.3

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

M13_02A (M052058A): Number / Applying Type: CR 1 Point
Label: Time when Pat finishes last lap

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	73.3	23.9	73.3	2.5	0.3	69.7	77.1
Bahrain	705	38.8	53.5	38.8	7.1	0.6	37.6	39.9
Botswana	835	28.6	68.9	28.6	2.5	0.0	27.8	29.5
Canada	1235	77.2	19.8	77.2	2.7	0.3	76.4	78.0
Chile	693	50.0	35.6	50.0	13.6	0.8	45.5	53.8
Chinese Taipei	819	88.6	10.0	88.6	1.4	0.0	89.3	87.9
Egypt	1100	20.7	67.4	20.7	11.8	0.2	19.6	21.8
England	686	78.9	18.8	78.9	2.0	0.3	77.5	80.4
Georgia	582	49.3	36.1	49.3	14.4	0.2	45.6	53.1
Hong Kong SAR	597	88.7	10.3	88.7	1.0	0.0	89.6	87.9
Hungary	689	77.5	19.0	77.5	3.2	0.3	73.4	81.2
Iran, Islamic Rep. of	878	44.7	41.2	44.7	13.9	0.1	38.9	49.9
Ireland	677	80.9	17.6	80.9	1.4	0.1	78.6	83.1
Israel	793	72.7	20.8	72.7	6.2	0.3	70.4	75.1
Italy	665	70.1	24.2	70.1	5.7	0.0	67.2	72.8
Japan	669	79.8	18.2	79.8	1.9	0.2	77.0	82.8
Jordan	1124	30.1	61.7	30.1	7.9	0.3	26.9	33.5
Kazakhstan	698	51.0	43.4	51.0	5.6	0.0	47.3	54.7
Korea, Rep. of	753	91.2	7.6	91.2	1.2	0.0	91.5	90.9
Kuwait	661	28.6	60.1	28.6	10.9	0.4	23.2	34.3
Lebanon	553	40.4	35.7	40.4	21.6	2.3	38.3	42.6
Lithuania	620	74.3	22.1	74.3	3.5	0.0	68.4	80.1
Malaysia	1394	55.3	39.0	55.3	5.5	0.1	55.4	55.3
Malta	544	70.6	25.1	70.6	4.2	0.2	70.8	70.3
Morocco	1730	23.1	58.0	23.1	18.9	0.0	18.2	27.3
New Zealand	1152	73.6	23.4	73.6	2.8	0.1	73.8	73.3
Norway	673	82.2	14.4	82.2	3.4	0.1	81.1	83.3
Oman	1270	27.4	66.3	27.4	6.0	0.3	24.6	30.0
Qatar	770	44.8	47.6	44.8	7.1	0.5	43.0	46.5
Russian Federation	685	78.9	14.9	78.9	6.0	0.1	79.5	78.3
Saudi Arabia	541	21.0	70.4	21.0	8.6	0.0	17.4	24.8
Singapore	872	90.2	9.3	90.2	0.5	0.0	91.0	89.4
Slovenia	606	78.6	18.0	78.6	3.1	0.3	75.6	82.0
South Africa	1794	20.5	75.5	20.5	3.8	0.2	15.9	25.4
Sweden	573	82.4	14.4	82.4	2.9	0.3	81.7	83.1
Thailand	926	46.8	45.3	46.8	7.9	0.0	46.2	47.5
Turkey	865	55.9	38.1	55.9	5.8	0.1	53.1	58.6
United Arab Emirates	2581	52.3	42.7	52.3	5.0	0.0	46.3	58.6
United States	1463	71.7	26.0	71.7	1.9	0.4	69.6	73.7
International Avg (n=39)	35939	59.3	34.5	59.3	6.0	0.2	57.0	61.5
Buenos Aires, Argentina	435	50.3	28.4	50.3	18.7	2.7	48.3	52.7
Ontario, Canada	632	73.6	23.3	73.6	2.6	0.5	72.9	74.3
Quebec, Canada	563	84.4	13.9	84.4	1.6	0.1	83.6	85.2
Norway (8)	668	78.9	17.9	78.9	2.7	0.5	77.4	80.4
Abu Dhabi, UAE	693	47.8	47.0	47.8	5.2	0.0	47.4	48.2
Dubai, UAE	869	65.4	31.2	65.4	3.4	0.0	55.9	75.4
Florida, US	286	63.3	33.3	63.3	3.4	0.0	60.8	65.7

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.

M13_02B (M052058B): Number / Applying Type: CR 1 Point
Label: Percentage of laps finished

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	30.5	60.0	30.5	9.1	0.3	28.7	32.4
Bahrain	705	9.1	76.8	9.1	13.4	0.6	9.3	8.8
Botswana	835	6.6	87.5	6.6	5.9	0.0	6.3	6.9
Canada	1235	32.6	61.1	32.6	5.9	0.3	28.5	36.8
Chile	693	11.8	64.6	11.8	22.8	0.8	7.6	15.4
Chinese Taipei	819	48.1	45.2	48.1	6.7	0.0	43.8	52.1
Egypt	1100	5.1	77.0	5.1	17.7	0.2	4.3	6.0
England	686	30.1	62.3	30.1	6.7	1.0	25.9	34.5
Georgia	582	13.3	56.8	13.3	29.7	0.2	13.2	13.4
Hong Kong SAR	597	59.6	37.3	59.6	3.1	0.0	56.4	62.7
Hungary	689	25.2	60.9	25.2	13.6	0.3	20.2	29.9
Iran, Islamic Rep. of	878	8.3	68.5	8.3	23.0	0.1	7.5	9.1
Ireland	677	41.6	52.1	41.6	6.2	0.1	38.1	45.1
Israel	793	27.1	53.7	27.1	18.8	0.4	22.6	31.9
Italy	665	16.2	63.5	16.2	20.3	0.0	12.6	19.5
Japan	669	47.4	49.0	47.4	3.5	0.2	43.6	51.5
Jordan	1124	3.0	82.8	3.0	13.9	0.3	1.6	4.5
Kazakhstan	698	25.1	59.2	25.1	15.7	0.0	24.8	25.5
Korea, Rep. of	753	55.0	41.6	55.0	3.5	0.0	50.3	59.2
Kuwait	661	5.1	73.0	5.1	21.5	0.4	4.9	5.3
Lebanon	553	6.8	48.9	6.8	41.7	2.6	4.3	9.3
Lithuania	620	21.2	62.9	21.2	15.9	0.0	19.0	23.4
Malaysia	1394	16.1	74.0	16.1	9.6	0.3	13.9	18.3
Malta	544	21.6	63.2	21.6	14.9	0.4	20.4	22.7
Morocco	1730	2.3	63.6	2.3	34.1	0.1	1.8	2.7
New Zealand	1152	25.6	65.2	25.6	9.1	0.1	23.5	27.8
Norway	673	32.6	57.1	32.6	10.2	0.1	31.1	34.2
Oman	1270	3.9	84.3	3.9	11.5	0.3	4.1	3.6
Qatar	770	12.1	72.3	12.1	15.2	0.5	10.4	13.7
Russian Federation	685	27.6	52.1	27.6	20.2	0.1	26.6	28.6
Saudi Arabia	541	4.6	82.5	4.6	12.8	0.0	3.9	5.4
Singapore	872	63.1	35.3	63.1	1.7	0.0	62.1	64.0
Slovenia	606	20.5	63.9	20.5	15.4	0.3	19.4	21.6
South Africa	1794	4.2	88.3	4.2	7.3	0.2	4.1	4.4
Sweden	573	30.2	59.5	30.2	10.0	0.3	20.8	40.0
Thailand	926	8.4	76.5	8.4	15.1	0.0	8.5	8.4
Turkey	865	19.2	73.0	19.2	7.5	0.4	18.3	19.9
United Arab Emirates	2580	17.1	73.4	17.1	9.5	0.0	15.4	18.9
United States	1463	32.9	64.8	32.9	1.8	0.5	29.2	36.7
International Avg (n=39)	35938	22.3	63.9	22.3	13.4	0.3	20.2	24.5
Buenos Aires, Argentina	435	5.1	49.0	5.1	42.5	3.4	3.7	6.7
Ontario, Canada	632	30.5	63.7	30.5	5.3	0.5	26.5	34.8
Quebec, Canada	563	37.3	56.4	37.3	6.2	0.1	32.5	42.0
Norway (8)	668	24.7	63.8	24.7	11.0	0.5	20.4	29.0
Abu Dhabi, UAE	692	13.5	77.7	13.5	8.7	0.0	11.6	15.5
Dubai, UAE	869	27.0	64.1	27.0	8.9	0.0	25.9	28.2
Florida, US	286	27.2	69.4	27.2	3.4	0.0	26.6	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.

M13_03 (M052125): Number / Reasoning Type: MC Key: D
Label: Multiples of 3

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	45.0	21.4	22.7	7.2	45.0	3.3	0.3	47.8	42.2
Bahrain	705	43.8	21.9	24.9	7.3	43.8	1.5	0.6	47.8	39.8
Botswana	835	33.1	30.7	27.0	7.7	33.1	1.5	0.0	35.8	30.1
Canada	1231	52.4	18.0	21.4	6.6	52.4	1.1	0.3	54.1	50.8
Chile	693	38.6	18.6	29.9	10.6	38.6	1.4	0.8	38.6	38.7
Chinese Taipei	819	64.6	18.3	12.0	4.3	64.6	0.8	0.0	66.7	62.7
Egypt	1100	13.0	30.1	43.9	11.6	13.0	1.1	0.3	12.7	13.4
England	686	60.4	9.6	21.1	6.4	60.4	1.5	1.0	62.7	58.0
Georgia	582	29.4	29.4	29.7	8.4	29.4	2.9	0.3	27.3	31.5
Hong Kong SAR	597	67.6	12.3	12.9	7.0	67.6	0.2	0.0	70.9	64.5
Hungary	689	41.9	23.7	23.5	8.7	41.9	2.0	0.3	42.8	41.0
Iran, Islamic Rep. of	878	26.4	30.9	35.0	5.2	26.4	2.1	0.4	27.2	25.7
Ireland	677	52.4	18.1	19.6	9.0	52.4	0.8	0.1	59.4	45.3
Israel	793	47.0	24.7	17.0	8.4	47.0	2.5	0.4	50.2	43.6
Italy	665	59.4	15.4	14.4	8.7	59.4	2.0	0.0	64.3	55.0
Japan	669	71.3	8.9	17.3	2.0	71.3	0.3	0.2	75.2	66.9
Jordan	1124	15.2	32.7	42.8	7.8	15.2	1.2	0.3	19.2	11.2
Kazakhstan	698	45.4	17.0	29.6	4.7	45.4	3.0	0.2	49.2	41.6
Korea, Rep. of	753	70.4	10.2	12.3	6.7	70.4	0.4	0.0	73.1	67.9
Kuwait	661	21.0	34.7	30.1	10.1	21.0	3.7	0.4	22.4	19.7
Lebanon	549	32.2	30.6	19.2	8.1	32.2	7.3	2.6	35.1	29.2
Lithuania	501	13.5	16.4	61.2	7.7	13.5	1.2	0.0	16.3	10.7
Malaysia	1394	20.2	39.3	32.2	6.5	20.2	1.3	0.4	23.1	17.4
Malta	544	50.3	23.9	13.3	10.0	50.3	1.8	0.7	55.1	45.9
Morocco	1730	13.1	35.9	39.5	8.5	13.1	3.0	0.1	16.0	10.7
New Zealand	1152	41.1	24.3	23.0	9.3	41.1	2.1	0.1	44.9	37.1
Norway	673	15.8	42.1	30.0	7.7	15.8	4.2	0.2	14.2	17.5
Oman	1271	23.3	29.6	35.3	9.9	23.3	1.6	0.3	29.3	17.7
Qatar	770	30.3	31.4	28.7	7.3	30.3	1.7	0.5	33.1	27.7
Russian Federation	685	71.1	5.5	16.4	5.7	71.1	1.3	0.1	72.3	69.9
Saudi Arabia	541	13.5	34.2	40.5	10.3	13.5	1.5	0.0	14.3	12.8
Singapore	872	74.6	11.4	9.3	4.1	74.6	0.6	0.0	78.4	70.8
Slovenia	606	50.8	9.9	28.9	7.3	50.8	2.8	0.3	49.6	52.2
South Africa	1794	22.3	37.5	30.3	7.8	22.3	1.9	0.2	23.8	20.6
Sweden	573	13.2	38.9	34.8	6.5	13.2	6.0	0.6	12.9	13.5
Thailand	926	23.5	42.9	23.9	8.1	23.5	1.6	0.0	27.0	19.6
Turkey	864	49.0	18.9	23.5	7.5	49.0	0.6	0.4	52.4	46.0
United Arab Emirates	2581	37.0	29.3	24.2	7.6	37.0	1.9	0.0	39.0	34.9
United States	1463	48.5	22.2	19.9	7.5	48.5	1.4	0.5	50.0	47.2
International Avg (n=39)	35812	39.5	24.4	26.2	7.6	39.5	2.0	0.3	41.9	37.2
Buenos Aires, Argentina	428	42.0	13.3	20.2	12.6	42.0	9.0	2.9	41.7	42.4
Ontario, Canada	630	52.5	17.5	21.9	6.9	52.5	0.7	0.5	52.8	52.2
Quebec, Canada	561	53.8	18.5	19.1	6.2	53.8	2.2	0.1	54.3	53.4
Norway (8)	668	11.1	45.2	32.3	6.5	11.1	4.4	0.5	12.5	9.8
Abu Dhabi, UAE	693	25.5	36.0	28.1	7.7	25.5	2.7	0.0	28.3	22.6
Dubai, UAE	869	55.0	19.9	17.4	6.2	55.0	1.5	0.0	56.2	53.8
Florida, US	286	45.3	25.5	21.3	5.4	45.3	2.5	0.0	46.9	43.7

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

M13_04 (M052229): Number / Knowing Type: CR 1 Point
Label: Convert decimal to a fraction.

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	42.0	15.1	33.2	42.0	9.4	0.3	45.1	38.7
Bahrain	705	37.3	32.6	23.0	37.3	6.5	0.6	43.7	31.0
Botswana	835	17.4	17.5	60.5	17.4	4.6	0.0	18.6	16.1
Canada	1235	40.8	10.8	41.5	40.8	6.6	0.4	39.5	42.0
Chile	693	13.8	14.4	35.3	13.8	35.7	0.8	13.9	13.8
Chinese Taipei	819	78.2	11.7	6.9	78.2	3.2	0.0	77.9	78.5
Egypt	1100	48.2	11.0	28.0	48.2	12.5	0.3	53.1	42.7
England	686	35.1	12.3	39.1	35.1	12.6	1.0	36.5	33.7
Georgia	582	57.9	10.4	21.1	57.9	10.3	0.3	61.7	53.9
Hong Kong SAR	597	80.0	5.6	11.2	80.0	3.1	0.0	79.7	80.3
Hungary	689	50.3	5.0	28.3	50.3	16.1	0.3	53.7	47.2
Iran, Islamic Rep. of	878	60.8	18.1	11.9	60.8	8.8	0.4	63.2	58.6
Ireland	677	67.5	11.4	17.7	67.5	3.3	0.1	75.9	58.9
Israel	793	50.3	12.9	21.2	50.3	15.3	0.4	51.0	49.5
Italy	664	43.3	24.5	20.9	43.3	11.3	0.0	43.9	42.8
Japan	669	73.1	13.4	10.0	73.1	3.4	0.2	74.3	71.8
Jordan	1124	51.4	17.4	23.5	51.4	7.3	0.3	58.1	44.6
Kazakhstan	698	64.9	4.3	23.7	64.9	6.8	0.2	68.5	61.3
Korea, Rep. of	753	93.2	3.3	2.6	93.2	0.9	0.0	94.0	92.4
Kuwait	660	36.8	18.1	34.1	36.8	10.6	0.4	41.3	32.4
Lebanon	553	56.4	7.4	20.6	56.4	13.1	2.6	58.2	54.5
Lithuania	620	52.3	17.9	23.6	52.3	6.3	0.0	54.2	50.4
Malaysia	1394	50.2	8.1	34.0	50.2	7.2	0.4	59.7	41.0
Malta	544	46.5	13.8	30.9	46.5	8.2	0.7	52.5	41.1
Morocco	1730	30.7	14.1	38.6	30.7	16.6	0.1	36.3	25.9
New Zealand	1152	32.3	16.2	41.6	32.3	9.8	0.1	30.9	33.8
Norway	673	24.3	14.4	45.9	24.3	15.3	0.2	22.7	26.0
Oman	1270	34.6	12.7	45.1	34.6	7.2	0.3	45.9	23.9
Qatar	770	38.6	19.1	32.0	38.6	9.7	0.7	47.7	30.1
Russian Federation	685	72.3	8.0	11.2	72.3	8.5	0.1	74.7	69.8
Saudi Arabia	541	25.2	22.9	41.6	25.2	10.3	0.0	27.7	22.5
Singapore	872	93.0	1.5	4.7	93.0	0.8	0.1	91.8	94.1
Slovenia	606	64.1	11.7	18.1	64.1	5.9	0.3	66.3	61.7
South Africa	1794	28.5	11.6	53.3	28.5	6.4	0.2	33.3	23.4
Sweden	573	22.6	8.5	46.2	22.6	22.1	0.6	21.8	23.4
Thailand	926	37.0	16.9	36.8	37.0	9.3	0.0	42.0	31.5
Turkey	865	45.7	13.7	29.0	45.7	11.2	0.4	50.4	41.4
United Arab Emirates	2581	51.4	12.0	30.0	51.4	6.6	0.0	53.7	49.0
United States	1463	53.2	14.5	28.6	53.2	3.1	0.5	52.9	53.5
International Avg (n=39)	35937	48.7	13.2	28.3	48.7	9.4	0.3	51.7	45.8
Buenos Aires, Argentina	435	20.8	12.4	27.6	20.8	35.1	4.0	19.4	22.4
Ontario, Canada	632	34.8	10.6	46.2	34.8	7.7	0.7	34.0	35.7
Quebec, Canada	563	49.2	9.8	35.2	49.2	5.7	0.1	48.0	50.5
Norway (8)	668	32.2	17.3	33.6	32.2	16.4	0.5	26.9	37.5
Abu Dhabi, UAE	693	47.5	10.6	35.2	47.5	6.7	0.0	51.2	43.6
Dubai, UAE	869	56.2	12.7	24.9	56.2	6.1	0.0	57.7	54.7
Florida, US	286	36.4	25.6	31.3	36.4	6.8	0.0	35.3	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.

M13_05 (M052063): Algebra / Applying Type: MC Key: C
Label: Expression for area of rectangle

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	30.7	17.3	40.5	30.7	7.9	3.2	0.4	30.8	30.5
Bahrain	705	54.9	15.6	21.8	54.9	6.0	1.0	0.6	55.4	54.4
Botswana	835	22.5	28.0	37.2	22.5	9.8	2.5	0.0	26.8	17.9
Canada	1234	30.4	13.3	46.7	30.4	6.5	2.6	0.5	30.2	30.6
Chile	693	19.5	24.8	40.9	19.5	9.7	4.3	0.8	17.8	20.9
Chinese Taipei	819	83.5	3.0	11.5	83.5	1.8	0.2	0.0	86.9	80.2
Egypt	1100	32.2	19.7	36.1	32.2	10.3	1.3	0.4	32.1	32.3
England	686	41.2	17.1	33.7	41.2	5.8	1.0	1.2	40.8	41.5
Georgia	582	48.3	12.5	28.8	48.3	8.8	1.3	0.3	42.8	54.1
Hong Kong SAR	597	84.2	1.5	10.3	84.2	3.6	0.3	0.0	85.6	82.8
Hungary	689	35.1	14.3	34.9	35.1	13.8	1.6	0.3	36.9	33.4
Iran, Islamic Rep. of	878	46.6	13.8	30.4	46.6	7.0	1.7	0.4	52.8	41.1
Ireland	677	41.0	17.0	33.2	41.0	6.5	2.2	0.1	40.7	41.2
Israel	793	60.3	10.3	19.6	60.3	6.9	2.3	0.6	63.5	56.9
Italy	665	28.0	14.3	38.5	28.0	10.6	8.6	0.0	29.9	26.3
Japan	669	71.6	6.9	20.1	71.6	1.0	0.2	0.2	74.7	68.3
Jordan	1124	27.2	17.2	43.2	27.2	10.3	1.7	0.3	31.7	22.6
Kazakhstan	698	66.4	7.5	19.3	66.4	6.0	0.6	0.3	68.0	64.7
Korea, Rep. of	753	81.9	3.1	12.9	81.9	1.5	0.6	0.0	82.3	81.5
Kuwait	661	25.5	24.1	40.4	25.5	5.8	3.8	0.4	21.0	29.9
Lebanon	553	51.2	10.3	24.5	51.2	5.9	5.5	2.6	53.7	48.6
Lithuania	620	40.6	13.8	38.5	40.6	6.2	1.0	0.0	43.7	37.5
Malaysia	1394	44.6	12.4	29.4	44.6	11.6	1.5	0.4	48.1	41.2
Malta	544	39.5	11.8	36.9	39.5	8.8	2.4	0.7	44.2	35.1
Morocco	1729	30.7	21.0	39.6	30.7	6.5	2.0	0.2	33.8	28.1
New Zealand	1152	28.3	17.7	43.5	28.3	7.1	3.0	0.3	33.0	23.3
Norway	673	25.7	16.8	43.9	25.7	8.6	4.7	0.3	28.4	22.7
Oman	1270	39.3	20.6	30.8	39.3	8.0	1.0	0.3	46.5	32.4
Qatar	770	42.8	18.0	29.8	42.8	6.3	2.4	0.7	43.3	42.4
Russian Federation	685	72.3	6.2	16.7	72.3	3.7	1.1	0.1	74.7	69.8
Saudi Arabia	541	22.8	21.4	48.9	22.8	5.6	1.1	0.2	23.5	22.1
Singapore	872	88.6	2.1	7.1	88.6	1.8	0.3	0.1	91.5	85.8
Slovenia	606	28.5	15.2	42.8	28.5	9.7	3.6	0.3	29.2	27.6
South Africa	1794	20.5	21.0	53.7	20.5	3.5	1.1	0.2	21.6	19.4
Sweden	573	32.2	16.5	34.2	32.2	12.7	3.9	0.6	29.9	34.6
Thailand	926	34.6	21.4	38.0	34.6	4.8	1.2	0.1	35.5	33.5
Turkey	864	49.3	11.5	25.4	49.3	13.2	0.2	0.4	53.3	45.7
United Arab Emirates	2581	44.4	17.1	30.9	44.4	5.8	1.8	0.0	44.7	44.0
United States	1463	46.6	9.7	38.1	46.6	4.0	1.0	0.6	47.8	45.2
International Avg (n=39)	35936	43.9	14.5	32.1	43.9	7.0	2.0	0.4	45.6	42.3
Buenos Aires, Argentina	427	13.4	17.1	38.7	13.4	7.5	17.1	6.3	11.8	15.3
Ontario, Canada	632	22.9	14.5	51.2	22.9	7.2	3.4	0.8	21.7	24.2
Quebec, Canada	562	47.9	11.2	32.5	47.9	6.6	1.7	0.1	50.3	45.5
Norway (8)	668	22.6	20.8	39.4	22.6	10.3	6.5	0.5	22.8	22.5
Abu Dhabi, UAE	693	41.2	22.8	27.8	41.2	6.2	2.0	0.0	42.4	40.0
Dubai, UAE	869	57.7	10.1	27.6	57.7	3.8	0.7	0.1	57.1	58.4
Florida, US	286	43.1	10.7	41.9	43.1	4.1	0.0	0.2	46.1	40.1

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

M13_06 (M052072): Algebra / Knowing Type: MC Key: B
Label: Expression with exponents of y

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	60.5	19.4	60.5	3.4	14.2	2.2	0.4	57.5	63.7
Bahrain	705	54.7	18.3	54.7	3.3	22.4	0.7	0.6	58.0	51.4
Botswana	836	31.1	30.9	31.1	2.7	33.9	1.4	0.0	33.9	28.1
Canada	1234	48.4	21.2	48.4	4.2	23.9	1.8	0.5	47.2	49.5
Chile	693	40.9	41.9	40.9	5.0	10.2	1.2	0.9	37.6	43.7
Chinese Taipei	819	77.1	10.0	77.1	1.4	11.2	0.3	0.0	75.9	78.2
Egypt	1100	52.8	24.2	52.8	6.7	15.3	0.5	0.4	54.3	51.1
England	686	56.8	19.9	56.8	6.1	15.5	0.5	1.2	56.3	57.4
Georgia	582	53.6	24.2	53.6	3.9	17.2	0.8	0.3	51.9	55.4
Hong Kong SAR	597	85.5	6.9	85.5	1.7	5.3	0.6	0.0	86.4	84.5
Hungary	689	67.8	14.4	67.8	2.7	14.6	0.2	0.3	65.6	69.8
Iran, Islamic Rep. of	878	55.9	27.1	55.9	1.8	13.9	0.9	0.4	57.9	54.2
Ireland	677	55.1	17.8	55.1	3.9	21.9	1.2	0.1	51.3	58.9
Israel	793	58.7	10.5	58.7	4.8	22.8	2.5	0.6	60.1	57.3
Italy	665	72.1	16.1	72.1	2.6	8.3	0.9	0.0	74.6	69.8
Japan	669	79.8	5.2	79.8	1.9	12.7	0.3	0.2	77.4	82.4
Jordan	1124	47.5	26.9	47.5	4.1	20.5	0.7	0.3	50.7	44.1
Kazakhstan	698	69.5	13.3	69.5	0.9	15.7	0.4	0.3	70.6	68.3
Korea, Rep. of	753	85.0	6.1	85.0	1.0	7.8	0.1	0.0	88.0	82.3
Kuwait	661	45.1	22.3	45.1	6.4	24.0	1.8	0.5	44.7	45.9
Lebanon	553	76.6	8.2	76.6	1.6	9.0	1.9	2.7	76.7	76.6
Lithuania	620	57.5	25.2	57.5	1.5	15.4	0.5	0.0	53.5	61.3
Malaysia	1394	48.1	23.4	48.1	5.1	22.4	0.5	0.4	46.8	49.3
Malta	544	60.2	22.3	60.2	4.4	11.1	1.1	0.8	62.6	58.0
Morocco	1730	36.1	35.3	36.1	2.5	25.0	0.9	0.2	36.1	36.1
New Zealand	1152	52.1	21.1	52.1	6.3	18.1	2.2	0.3	49.5	54.9
Norway	673	57.2	22.4	57.2	3.9	15.2	1.0	0.3	55.3	59.2
Oman	1271	42.4	28.4	42.4	3.6	24.5	0.6	0.4	49.7	35.4
Qatar	770	54.7	18.4	54.7	4.3	21.0	1.0	0.7	57.0	52.6
Russian Federation	685	75.8	11.0	75.8	1.4	11.0	0.7	0.1	77.8	73.8
Saudi Arabia	541	24.2	29.1	24.2	7.9	37.8	0.8	0.2	20.6	28.1
Singapore	872	79.3	4.7	79.3	2.6	13.1	0.2	0.1	78.4	80.2
Slovenia	606	83.6	10.9	83.6	1.6	3.1	0.6	0.3	86.8	80.2
South Africa	1794	33.2	39.8	33.2	1.7	24.2	0.8	0.3	35.7	30.5
Sweden	573	50.8	17.4	50.8	4.1	25.0	2.2	0.6	49.1	52.5
Thailand	926	40.3	35.6	40.3	4.6	18.9	0.5	0.1	43.9	36.4
Turkey	865	45.3	27.5	45.3	3.1	23.6	0.1	0.4	45.4	45.2
United Arab Emirates	2580	55.3	20.8	55.3	2.4	20.1	1.3	0.0	53.8	56.9
United States	1463	59.5	21.8	59.5	2.6	15.3	0.3	0.6	57.6	61.2
International Avg (n=39)	35939	57.2	20.5	57.2	3.4	17.6	0.9	0.4	57.3	57.0
Buenos Aires, Argentina	429	33.9	25.7	33.9	4.6	17.4	11.6	6.9	35.6	31.8
Ontario, Canada	632	42.6	23.2	42.6	4.8	26.1	2.5	0.8	41.0	44.3
Quebec, Canada	562	66.1	15.1	66.1	2.4	16.0	0.3	0.1	66.3	65.9
Norway (8)	668	37.2	23.0	37.2	3.8	32.7	2.8	0.5	33.5	40.8
Abu Dhabi, UAE	693	49.2	25.2	49.2	2.5	21.0	2.2	0.0	46.1	52.4
Dubai, UAE	868	71.1	12.3	71.1	1.6	14.4	0.5	0.1	69.7	72.5
Florida, US	286	52.9	27.4	52.9	2.0	16.8	0.7	0.2	55.2	50.7

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

M13_07A (M052146A): Algebra / Reasoning Type: CR 1 Point
Label: Number of matches for figure 10

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	48.3	47.3	48.3	4.1	0.4	50.3	46.1
Bahrain	705	42.3	51.8	42.3	5.3	0.6	47.6	37.1
Botswana	836	38.2	60.0	38.2	1.6	0.2	43.2	32.8
Canada	1235	55.4	41.5	55.4	2.6	0.5	58.8	52.0
Chile	693	36.0	48.5	36.0	14.5	0.9	43.7	29.5
Chinese Taipei	819	83.2	14.9	83.2	1.8	0.1	81.9	84.4
Egypt	1100	19.6	70.0	19.6	9.9	0.5	24.7	13.8
England	686	45.1	51.4	45.1	2.3	1.2	46.2	43.9
Georgia	582	36.3	48.4	36.3	15.1	0.3	38.6	33.9
Hong Kong SAR	597	69.6	28.3	69.6	2.0	0.0	70.1	69.2
Hungary	689	47.0	49.8	47.0	2.9	0.3	46.7	47.2
Iran, Islamic Rep. of	878	44.7	46.4	44.7	8.5	0.4	50.2	39.8
Ireland	677	45.4	50.5	45.4	3.7	0.4	47.8	43.0
Israel	793	51.1	41.1	51.1	7.1	0.7	53.5	48.7
Italy	665	51.0	43.3	51.0	5.8	0.0	57.2	45.3
Japan	669	77.6	21.2	77.6	1.0	0.2	77.6	77.5
Jordan	1124	32.4	62.1	32.4	5.1	0.3	37.7	27.0
Kazakhstan	698	51.0	43.3	51.0	5.5	0.3	54.2	47.7
Korea, Rep. of	753	72.9	26.0	72.9	1.1	0.0	71.5	74.2
Kuwait	660	19.7	66.6	19.7	13.0	0.6	24.8	14.7
Lebanon	553	22.5	54.4	22.5	20.3	2.8	23.3	21.7
Lithuania	620	43.6	52.2	43.6	4.2	0.0	45.0	42.3
Malaysia	1394	49.4	46.1	49.4	4.0	0.4	54.3	44.8
Malta	544	50.6	44.0	50.6	4.6	0.8	55.8	46.0
Morocco	1730	18.8	66.8	18.8	14.1	0.3	20.2	17.7
New Zealand	1152	45.9	49.3	45.9	4.6	0.3	49.2	42.3
Norway	673	45.2	49.2	45.2	5.3	0.3	46.6	43.7
Oman	1271	30.9	64.0	30.9	4.6	0.4	38.5	23.7
Qatar	770	37.0	55.5	37.0	6.7	0.8	43.7	30.9
Russian Federation	685	50.4	41.0	50.4	8.5	0.1	52.4	48.4
Saudi Arabia	541	23.2	67.2	23.2	9.2	0.5	29.0	17.0
Singapore	872	80.3	19.0	80.3	0.6	0.1	82.4	78.4
Slovenia	606	50.5	44.6	50.5	4.7	0.3	53.6	47.0
South Africa	1794	35.1	62.2	35.1	2.4	0.3	37.8	32.3
Sweden	573	53.7	41.7	53.7	3.8	0.8	55.4	51.9
Thailand	926	47.1	47.1	47.1	5.6	0.1	54.0	39.6
Turkey	865	44.4	49.9	44.4	5.3	0.4	48.0	41.1
United Arab Emirates	2580	46.1	49.0	46.1	4.7	0.2	51.4	40.8
United States	1463	44.3	53.1	44.3	2.0	0.6	47.9	40.6
International Avg (n=39)	35939	45.8	47.9	45.8	5.9	0.4	49.1	42.5
Buenos Aires, Argentina	434	24.7	45.2	24.7	22.6	7.5	28.2	20.4
Ontario, Canada	632	55.2	41.6	55.2	2.5	0.8	60.7	49.2
Quebec, Canada	563	57.7	39.3	57.7	2.8	0.1	57.6	57.9
Norway (8)	668	42.6	50.9	42.6	6.0	0.5	46.2	39.0
Abu Dhabi, UAE	693	42.1	51.9	42.1	5.7	0.3	49.4	34.6
Dubai, UAE	868	57.8	39.1	57.8	3.0	0.1	60.7	54.6
Florida, US	286	42.9	53.1	42.9	3.8	0.2	44.6	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.

M13_07B (M052146B): Algebra / Reasoning Type: CR 1 Point
Label: Rule for number of matches

COUNTRY	N	10 %	70 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	15.9	32.0	32.3	15.9	19.3	0.4	16.1	15.6
Bahrain	705	7.0	22.0	52.5	7.0	17.9	0.7	8.3	5.7
Botswana	836	1.3	33.4	57.0	1.3	7.9	0.3	1.6	1.1
Canada	1235	27.0	13.7	50.2	27.0	8.1	1.0	27.8	26.3
Chile	693	3.6	9.6	39.3	3.6	45.8	1.6	3.7	3.6
Chinese Taipei	819	52.7	4.1	36.2	52.7	6.8	0.1	53.6	51.9
Egypt	1100	5.1	6.4	66.9	5.1	20.9	0.7	6.5	3.4
England	686	21.1	11.6	51.7	21.1	14.3	1.2	22.4	19.7
Georgia	582	5.3	14.4	38.0	5.3	41.9	0.4	5.7	4.9
Hong Kong SAR	597	37.3	13.1	44.9	37.3	4.7	0.0	34.9	39.6
Hungary	689	12.8	12.8	45.9	12.8	28.2	0.3	10.8	14.7
Iran, Islamic Rep. of	878	17.4	8.4	53.3	17.4	20.1	0.8	19.3	15.7
Ireland	677	8.7	30.6	35.4	8.7	24.9	0.4	8.9	8.5
Israel	793	26.5	14.5	38.6	26.5	19.3	1.1	28.8	23.9
Italy	665	5.3	13.3	50.3	5.3	31.1	0.1	5.0	5.5
Japan	669	55.1	0.0	38.0	55.1	6.8	0.2	56.2	53.8
Jordan	1124	7.2	16.6	59.7	7.2	16.2	0.4	10.2	4.1
Kazakhstan	698	18.6	3.2	57.4	18.6	19.2	1.6	20.3	16.8
Korea, Rep. of	753	39.8	39.8	16.7	39.8	3.7	0.0	42.3	37.5
Kuwait	660	2.4	7.9	57.7	2.4	31.3	0.6	2.4	2.3
Lebanon	553	2.9	10.0	38.0	2.9	45.0	4.1	3.2	2.4
Lithuania	620	9.8	6.7	52.9	9.8	30.5	0.1	10.5	9.1
Malaysia	1394	6.2	6.8	70.1	6.2	16.0	0.9	6.5	5.8
Malta	544	14.7	14.0	50.9	14.7	19.6	0.8	16.6	12.9
Morocco	1730	1.5	2.2	50.9	1.5	44.8	0.5	1.6	1.5
New Zealand	1152	19.2	22.1	42.0	19.2	16.4	0.3	22.3	15.9
Norway	673	8.6	21.4	51.4	8.6	18.0	0.6	8.1	9.0
Oman	1270	6.5	7.1	72.5	6.5	13.4	0.5	8.6	4.4
Qatar	770	11.1	11.5	58.8	11.1	17.9	0.8	13.1	9.2
Russian Federation	685	16.2	13.9	34.7	16.2	34.9	0.3	20.7	11.6
Saudi Arabia	541	3.7	6.5	68.7	3.7	20.6	0.5	4.0	3.3
Singapore	872	55.5	3.7	37.2	55.5	3.4	0.1	55.2	55.9
Slovenia	606	8.8	27.1	37.5	8.8	26.2	0.3	8.8	8.8
South Africa	1794	7.7	14.7	68.0	7.7	8.9	0.7	9.5	5.8
Sweden	573	28.6	10.4	43.8	28.6	16.1	1.2	29.6	27.6
Thailand	926	7.2	13.8	56.1	7.2	22.5	0.3	7.2	7.3
Turkey	865	20.0	4.7	56.8	20.0	18.0	0.6	21.2	18.8
United Arab Emirates	2580	14.6	11.5	61.1	14.6	12.6	0.2	14.8	14.4
United States	1463	14.7	25.7	57.1	14.7	1.7	0.9	13.6	15.9
International Avg (n=39)	35938	16.1	13.9	49.5	16.1	19.9	0.7	16.9	15.2
Buenos Aires, Argentina	434	2.8	5.2	29.3	2.8	54.2	8.5	3.6	1.8
Ontario, Canada	632	31.4	18.9	40.9	31.4	7.5	1.4	31.1	31.7
Quebec, Canada	563	21.9	1.6	68.2	21.9	7.6	0.6	23.3	20.6
Norway (8)	668	5.7	26.0	42.8	5.7	25.0	0.5	6.0	5.4
Abu Dhabi, UAE	693	11.9	12.3	62.4	11.9	13.0	0.3	13.9	9.8
Dubai, UAE	868	24.5	11.8	53.1	24.5	10.5	0.1	22.5	26.5
Florida, US	286	9.8	26.9	59.2	9.8	3.8	0.2	7.3	12.4

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.

M13_08 (M052092): Algebra / Applying Type: MC Key: A
Label: Graph of y = 2x

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	20.4	20.4	17.7	28.4	30.5	2.6	0.4	21.1	19.6
Bahrain	705	45.0	45.0	8.6	22.8	21.9	0.9	0.7	44.4	45.6
Botswana	836	15.7	15.7	18.0	39.5	24.4	1.8	0.6	14.2	17.3
Canada	1233	15.4	15.4	16.1	37.6	26.1	3.5	1.2	13.3	17.6
Chile	693	14.0	14.0	21.0	28.7	31.0	3.5	1.8	13.3	14.6
Chinese Taipei	819	35.5	35.5	11.5	29.1	23.1	0.7	0.1	35.0	36.0
Egypt	1100	18.2	18.2	18.7	30.1	30.0	2.3	0.8	17.3	19.2
England	686	18.2	18.2	12.7	35.1	30.4	2.4	1.2	15.5	21.0
Georgia	582	19.5	19.5	17.3	33.8	26.5	2.6	0.4	18.2	20.8
Hong Kong SAR	597	26.9	26.9	16.2	29.3	26.3	1.3	0.0	25.7	28.1
Hungary	689	26.1	26.1	6.6	39.4	26.6	0.9	0.3	21.9	30.0
Iran, Islamic Rep. of	878	21.2	21.2	21.5	29.1	21.0	6.2	1.0	21.1	21.3
Ireland	677	13.4	13.4	14.8	35.9	33.1	2.4	0.4	14.9	11.9
Israel	793	35.9	35.9	9.2	23.9	28.2	1.4	1.4	34.6	37.4
Italy	665	20.8	20.8	14.2	24.4	35.6	4.6	0.5	21.0	20.5
Japan	669	69.9	69.9	3.3	18.1	8.0	0.5	0.2	69.8	70.0
Jordan	1124	22.9	22.9	10.1	31.0	33.7	1.9	0.5	24.8	20.9
Kazakhstan	698	60.6	60.6	9.7	12.4	14.2	1.3	1.8	63.9	57.2
Korea, Rep. of	753	47.9	47.9	9.5	20.2	22.3	0.1	0.0	50.0	46.1
Kuwait	660	18.1	18.1	17.2	31.5	26.9	5.6	0.8	13.9	22.3
Lebanon	553	14.7	14.7	9.2	35.5	29.5	7.0	4.1	12.2	17.3
Lithuania	620	19.1	19.1	16.3	39.6	24.1	0.8	0.1	16.8	21.4
Malaysia	1394	18.9	18.9	21.9	16.4	40.0	2.0	0.9	16.6	21.0
Malta	544	16.5	16.5	9.8	33.8	36.8	2.2	0.8	15.2	17.8
Morocco	1729	19.8	19.8	18.3	38.1	19.8	3.4	0.6	21.3	18.5
New Zealand	1152	20.4	20.4	15.6	27.6	31.6	4.4	0.5	20.0	20.7
Norway	673	15.6	15.6	15.4	28.7	35.3	4.4	0.6	17.6	13.5
Oman	1271	20.1	20.1	20.0	30.0	27.0	2.4	0.5	18.0	22.2
Qatar	770	17.3	17.3	13.3	32.4	34.0	2.1	0.8	16.0	18.6
Russian Federation	685	47.6	47.6	9.3	16.0	24.4	2.4	0.3	52.5	42.6
Saudi Arabia	540	18.4	18.4	21.5	29.5	28.8	1.4	0.5	17.5	19.3
Singapore	872	32.1	32.1	8.1	23.5	35.9	0.2	0.1	31.7	32.5
Slovenia	606	11.1	11.1	8.6	44.7	32.5	2.8	0.3	8.0	14.4
South Africa	1794	13.5	13.5	20.8	34.9	28.5	1.5	0.7	14.0	13.0
Sweden	573	12.4	12.4	17.6	25.1	35.8	7.8	1.2	11.0	14.0
Thailand	926	14.3	14.3	22.3	30.4	30.0	2.8	0.3	14.9	13.5
Turkey	864	17.5	17.5	20.8	31.6	28.7	0.8	0.6	16.9	18.0
United Arab Emirates	2580	25.3	25.3	13.6	30.7	28.1	2.0	0.3	26.1	24.4
United States	1463	43.8	43.8	7.0	27.2	20.3	0.9	0.9	43.2	44.4
International Avg (n=39)	35934	24.7	24.7	14.4	29.6	28.0	2.5	0.7	24.2	25.2
Buenos Aires, Argentina	423	8.1	8.1	11.3	25.7	23.1	23.2	8.5	8.4	7.6
Ontario, Canada	632	15.9	15.9	18.2	37.1	23.0	4.4	1.5	13.9	18.2
Quebec, Canada	561	16.2	16.2	12.4	35.0	33.6	1.9	0.9	14.4	18.0
Norway (8)	668	10.3	10.3	16.8	29.1	36.3	7.1	0.5	9.4	11.1
Abu Dhabi, UAE	693	25.2	25.2	14.4	29.3	28.2	2.6	0.3	24.7	25.7
Dubai, UAE	868	25.6	25.6	10.5	32.1	31.0	0.5	0.4	26.6	24.5
Florida, US	286	38.0	38.0	12.4	18.9	28.9	1.6	0.2	37.7	38.4

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

M13_09 (M052046): Geometry / Reasoning Type: MC Key: D
Label: Rotation and reflection

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	36.2	13.8	17.2	31.0	36.2	1.4	0.4	35.8	36.6
Bahrain	705	47.8	10.1	16.2	24.6	47.8	0.6	0.7	52.0	43.7
Botswana	842	28.2	16.8	19.6	33.6	28.2	1.0	0.7	26.4	30.2
Canada	1230	41.1	12.5	14.0	29.7	41.1	0.9	1.8	40.3	41.9
Chile	693	22.3	22.8	18.5	31.8	22.3	2.8	1.8	24.3	20.6
Chinese Taipei	819	47.4	15.4	7.3	29.8	47.4	0.0	0.1	47.0	47.8
Egypt	1100	18.1	16.8	28.1	34.9	18.1	1.3	0.8	19.5	16.6
England	686	37.2	15.1	12.0	32.5	37.2	1.6	1.5	38.9	35.5
Georgia	582	17.8	24.0	18.9	35.4	17.8	3.4	0.5	18.9	16.7
Hong Kong SAR	597	52.0	14.9	8.8	23.9	52.0	0.4	0.0	53.5	50.6
Hungary	689	36.8	17.7	12.4	31.2	36.8	1.6	0.3	38.1	35.6
Iran, Islamic Rep. of	878	22.3	12.5	24.9	34.5	22.3	4.6	1.2	20.8	23.6
Ireland	677	34.5	18.6	12.1	33.4	34.5	1.0	0.4	34.2	34.8
Israel	793	21.1	18.3	19.0	35.6	21.1	4.7	1.4	22.1	20.0
Italy	665	21.7	19.9	16.9	36.1	21.7	4.7	0.7	25.6	18.1
Japan	669	57.3	13.1	7.2	22.1	57.3	0.0	0.3	60.4	54.1
Jordan	1124	19.8	13.0	24.4	41.0	19.8	1.2	0.7	21.8	17.7
Kazakhstan	697	28.8	21.8	15.4	30.7	28.8	1.5	1.8	31.3	26.3
Korea, Rep. of	753	41.0	17.8	7.5	33.5	41.0	0.2	0.0	45.0	37.4
Kuwait	661	24.5	15.7	25.5	29.4	24.5	4.1	0.8	23.7	25.5
Lebanon	552	18.1	14.3	23.0	26.7	18.1	13.6	4.3	21.8	14.3
Lithuania	620	28.5	23.4	17.4	28.0	28.5	2.6	0.1	29.4	27.6
Malaysia	1394	27.9	15.0	18.7	35.0	27.9	2.4	0.9	28.0	27.9
Malta	544	33.3	17.5	13.4	33.1	33.3	1.8	0.8	34.9	31.8
Morocco	1730	19.4	18.6	23.7	33.5	19.4	4.3	0.6	20.8	18.2
New Zealand	1152	32.5	14.9	16.4	33.2	32.5	2.2	0.9	32.8	32.2
Norway	673	26.8	18.6	16.9	33.5	26.8	3.6	0.7	23.9	29.9
Oman	1271	24.4	16.7	22.5	34.0	24.4	1.7	0.6	26.0	22.8
Qatar	770	27.0	18.0	21.0	31.2	27.0	1.6	1.2	30.7	23.5
Russian Federation	685	21.0	26.9	15.2	32.3	21.0	4.3	0.3	20.5	21.6
Saudi Arabia	539	24.1	18.0	20.6	36.1	24.1	0.4	0.8	26.8	21.2
Singapore	872	43.0	19.9	8.5	28.0	43.0	0.5	0.1	44.6	41.5
Slovenia	606	41.0	10.5	13.4	32.7	41.0	2.2	0.3	42.7	39.2
South Africa	1794	24.2	21.7	19.8	30.9	24.2	2.3	1.2	23.1	25.3
Sweden	573	29.3	18.8	12.9	30.8	29.3	6.8	1.4	34.1	24.2
Thailand	927	23.6	17.3	18.7	37.9	23.6	2.2	0.3	26.0	21.0
Turkey	864	28.6	21.8	20.8	27.8	28.6	0.4	0.6	30.5	26.8
United Arab Emirates	2581	30.0	16.3	19.8	31.7	30.0	1.9	0.3	31.4	28.6
United States	1463	38.3	13.1	14.2	32.3	38.3	1.1	0.9	35.8	40.8
International Avg (n=39)	35938	30.7	17.2	17.0	31.9	30.7	2.4	0.8	31.9	29.5
Buenos Aires, Argentina	424	14.4	14.9	16.2	25.6	14.4	20.3	8.6	14.8	13.9
Ontario, Canada	632	42.6	11.5	12.6	30.1	42.6	1.1	2.1	43.4	41.7
Quebec, Canada	558	39.8	14.1	15.0	28.7	39.8	0.7	1.7	38.9	40.8
Norway (8)	668	23.5	18.1	22.8	30.8	23.5	4.1	0.7	24.2	22.7
Abu Dhabi, UAE	693	26.1	18.7	22.4	29.8	26.1	2.7	0.3	25.1	27.0
Dubai, UAE	869	35.4	14.5	14.6	34.0	35.4	1.0	0.4	37.7	33.0
Florida, US	286	35.0	17.8	13.7	32.5	35.0	0.8	0.2	41.3	28.8

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

M13_10 (M052083): Geometry / Applying Type: MC Key: C
Label: Surface area of the prism

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	39.3	25.4	25.4	39.3	6.9	2.6	0.4	38.7	40.0
Bahrain	705	44.9	13.7	29.1	44.9	8.8	2.7	0.8	46.2	43.7
Botswana	842	12.9	41.1	22.4	12.9	20.2	2.7	0.7	12.5	13.4
Canada	1234	52.8	11.8	19.8	52.8	10.3	3.4	2.0	51.1	54.4
Chile	693	20.9	26.4	34.8	20.9	9.9	6.1	1.9	19.3	22.2
Chinese Taipei	819	69.3	5.1	17.1	69.3	8.3	0.1	0.1	69.1	69.4
Egypt	1100	15.3	27.6	36.4	15.3	16.6	3.2	1.0	13.7	17.0
England	686	40.6	17.5	28.9	40.6	7.2	3.7	2.1	38.4	42.9
Georgia	582	20.9	24.8	33.4	20.9	13.0	7.4	0.5	19.2	22.8
Hong Kong SAR	597	76.3	3.4	12.2	76.3	7.2	0.8	0.0	75.6	77.1
Hungary	689	33.4	21.9	32.9	33.4	7.9	3.4	0.4	30.0	36.6
Iran, Islamic Rep. of	877	19.2	18.8	41.4	19.2	10.4	8.7	1.4	17.1	21.1
Ireland	677	36.9	23.6	24.9	36.9	12.6	1.7	0.4	36.9	36.9
Israel	793	35.4	17.6	30.0	35.4	8.3	6.8	1.8	33.3	37.5
Italy	665	39.4	11.2	29.6	39.4	13.3	5.8	0.9	35.3	43.0
Japan	669	65.0	5.7	22.9	65.0	5.6	0.4	0.3	67.1	62.7
Jordan	1124	15.9	30.9	36.1	15.9	13.6	2.8	0.7	14.9	16.9
Kazakhstan	698	42.5	17.2	22.5	42.5	13.8	2.2	1.8	44.3	40.6
Korea, Rep. of	753	71.3	4.6	14.1	71.3	9.3	0.7	0.0	74.2	68.7
Kuwait	655	18.6	28.2	34.6	18.6	10.3	7.2	1.1	14.7	22.1
Lebanon	553	15.9	28.7	26.5	15.9	8.1	15.5	5.2	17.1	14.7
Lithuania	620	40.3	24.9	22.9	40.3	8.6	3.2	0.1	41.4	39.3
Malaysia	1394	34.4	27.6	26.1	34.4	8.0	2.3	1.6	35.0	33.8
Malta	544	29.6	26.3	32.1	29.6	8.6	2.4	1.0	26.8	32.2
Morocco	1730	13.7	39.2	32.4	13.7	9.3	4.7	0.7	13.8	13.7
New Zealand	1152	29.6	28.9	31.4	29.6	5.5	3.5	1.1	31.7	27.3
Norway	673	40.5	19.1	28.1	40.5	5.8	5.5	0.9	40.3	40.9
Oman	1271	20.0	28.8	34.3	20.0	13.6	2.6	0.6	19.8	20.3
Qatar	770	25.7	22.8	33.4	25.7	11.8	5.0	1.3	26.0	25.4
Russian Federation	685	38.0	15.9	27.0	38.0	11.0	7.5	0.6	39.1	37.0
Saudi Arabia	541	19.0	26.2	40.7	19.0	11.4	1.8	0.8	18.0	20.0
Singapore	872	76.4	5.3	13.5	76.4	3.6	1.0	0.1	75.3	77.5
Slovenia	606	36.6	21.2	26.2	36.6	10.0	5.7	0.3	35.6	37.7
South Africa	1794	12.7	39.6	29.4	12.7	14.3	2.2	1.7	11.0	14.6
Sweden	573	42.8	14.1	27.2	42.8	6.1	8.0	1.9	41.6	44.1
Thailand	927	25.3	26.1	34.3	25.3	8.7	5.2	0.4	21.8	29.1
Turkey	864	24.5	33.4	29.5	24.5	11.2	0.7	0.6	22.7	26.2
United Arab Emirates	2580	31.7	24.2	28.8	31.7	11.5	3.3	0.4	29.0	34.5
United States	1463	39.5	20.5	27.3	39.5	8.8	2.7	1.1	39.8	39.2
International Avg (n=39)	35938	35.1	21.8	28.2	35.1	10.0	4.0	1.0	34.3	35.8
Buenos Aires, Argentina	423	16.5	20.6	24.4	16.5	6.4	23.5	8.6	14.5	19.0
Ontario, Canada	632	50.9	14.7	19.5	50.9	9.6	2.9	2.4	49.5	52.4
Quebec, Canada	562	59.3	8.6	16.2	59.3	9.5	4.7	1.7	56.5	62.1
Norway (8)	668	33.9	23.5	29.4	33.9	5.4	7.2	0.7	30.1	37.6
Abu Dhabi, UAE	693	28.0	30.2	27.9	28.0	9.8	3.5	0.5	26.3	29.8
Dubai, UAE	868	38.1	20.7	26.8	38.1	12.2	1.8	0.4	34.8	41.4
Florida, US	286	38.9	21.1	23.9	38.9	12.9	3.0	0.2	33.9	43.7

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

M13_11 (M052082): Geometry / Applying Type: MC Key: C
Label: Value of angle x outside triangle

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	54.2	14.2	14.5	54.2	15.4	1.2	0.4	50.8	57.7
Bahrain	705	52.9	16.8	11.3	52.9	17.0	0.7	1.3	52.3	53.5
Botswana	840	54.0	17.9	8.2	54.0	18.3	0.8	0.9	57.7	49.9
Canada	1234	58.9	14.1	11.5	58.9	12.1	1.0	2.4	55.3	62.6
Chile	693	45.2	21.4	12.1	45.2	17.5	1.9	2.0	42.3	47.6
Chinese Taipei	819	85.6	4.8	3.7	85.6	5.7	0.1	0.1	86.9	84.5
Egypt	1100	38.4	25.3	13.7	38.4	20.6	0.8	1.3	36.5	40.4
England	686	62.7	16.9	10.7	62.7	5.8	1.6	2.3	60.9	64.6
Georgia	582	46.9	11.4	10.9	46.9	28.9	1.4	0.5	47.2	46.5
Hong Kong SAR	597	78.9	5.2	6.0	78.9	9.4	0.5	0.0	78.4	79.5
Hungary	689	69.3	11.5	6.8	69.3	11.0	0.4	0.9	68.2	70.4
Iran, Islamic Rep. of	877	41.6	29.5	12.9	41.6	13.3	1.0	1.7	38.8	44.2
Ireland	677	60.8	12.2	12.1	60.8	12.6	1.6	0.6	58.3	63.4
Israel	793	54.9	13.5	12.9	54.9	13.9	2.4	2.4	54.4	55.5
Italy	665	56.7	14.0	10.2	56.7	15.5	2.5	1.1	57.9	55.5
Japan	669	87.4	3.4	4.6	87.4	4.3	0.1	0.3	86.4	88.5
Jordan	1124	37.7	22.3	15.6	37.7	21.8	1.6	1.0	34.5	41.0
Kazakhstan	698	59.9	9.7	10.5	59.9	17.3	0.6	2.1	62.6	57.2
Korea, Rep. of	753	89.1	2.4	6.0	89.1	2.5	0.0	0.0	89.2	89.0
Kuwait	660	29.4	21.5	20.4	29.4	26.1	1.3	1.4	22.0	36.8
Lebanon	553	58.2	11.2	7.8	58.2	14.7	2.4	5.6	55.1	61.5
Lithuania	620	53.8	18.6	13.9	53.8	12.9	0.5	0.4	51.3	56.1
Malaysia	1394	47.1	18.1	11.8	47.1	19.8	1.3	1.9	49.9	44.4
Malta	544	60.5	15.6	11.4	60.5	11.3	0.2	1.0	58.6	62.2
Morocco	1730	30.0	22.9	22.2	30.0	22.3	1.6	1.0	29.7	30.2
New Zealand	1152	52.4	17.3	12.9	52.4	13.9	2.4	1.1	51.6	53.4
Norway	673	57.8	16.1	13.3	57.8	10.2	1.4	1.2	58.0	57.5
Oman	1271	42.2	20.2	9.2	42.2	26.5	1.2	0.7	41.9	42.5
Qatar	770	41.3	21.3	11.7	41.3	23.0	1.3	1.4	40.1	42.4
Russian Federation	685	66.3	9.8	11.7	66.3	10.4	1.1	0.7	65.1	67.5
Saudi Arabia	541	27.6	20.2	13.9	27.6	37.5	0.0	0.8	26.5	28.8
Singapore	872	87.5	4.6	4.4	87.5	3.3	0.2	0.1	88.6	86.3
Slovenia	606	61.9	14.6	12.5	61.9	9.5	1.3	0.3	64.3	59.2
South Africa	1794	26.6	21.8	14.6	26.6	34.4	0.7	1.9	26.3	26.9
Sweden	573	49.4	20.6	11.0	49.4	13.1	3.7	2.1	46.8	52.1
Thailand	927	34.3	19.6	15.4	34.3	28.4	1.9	0.5	31.1	37.9
Turkey	864	50.5	14.5	10.8	50.5	23.2	0.5	0.6	46.6	54.1
United Arab Emirates	2581	45.3	17.6	12.6	45.3	22.6	1.4	0.5	42.6	48.1
United States	1463	48.5	20.4	10.8	48.5	17.6	1.1	1.5	45.3	51.8
International Avg (n=39)	35942	54.0	15.7	11.4	54.0	16.5	1.2	1.2	52.8	55.2
Buenos Aires, Argentina	426	37.5	17.2	15.6	37.5	15.5	5.6	8.6	38.6	36.2
Ontario, Canada	632	55.5	16.2	13.4	55.5	11.5	1.0	2.5	52.1	59.2
Quebec, Canada	562	72.5	7.3	6.8	72.5	9.2	1.3	2.9	68.7	76.3
Norway (8)	668	58.1	18.5	13.0	58.1	8.1	1.6	0.7	57.0	59.1
Abu Dhabi, UAE	693	41.3	18.4	13.8	41.3	24.4	1.5	0.6	40.2	42.5
Dubai, UAE	869	56.4	11.4	12.0	56.4	19.0	0.7	0.5	53.3	59.7
Florida, US	286	40.6	22.4	10.0	40.6	24.7	2.1	0.2	37.4	43.9

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

M13_12 (M052161): Data and Chance / Applying Type: MC Key: B
Label: Number of balls in a bag

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	76.8	5.6	76.8	11.7	4.5	1.0	0.5	73.7	80.0
Bahrain	705	58.8	7.6	58.8	18.4	13.4	0.5	1.3	59.8	57.8
Botswana	840	39.7	10.8	39.7	26.6	19.9	2.0	1.0	40.5	38.8
Canada	1233	80.3	5.3	80.3	6.7	3.4	1.6	2.7	76.6	84.1
Chile	693	50.8	13.5	50.8	20.7	10.8	2.3	2.0	44.5	56.2
Chinese Taipei	819	85.5	4.6	85.5	7.9	1.7	0.1	0.1	85.6	85.4
Egypt	1100	38.5	11.5	38.5	26.3	21.0	1.3	1.4	39.7	37.2
England	686	74.0	7.0	74.0	11.6	2.7	2.2	2.3	70.0	78.2
Georgia	582	50.4	9.1	50.4	27.6	7.6	4.9	0.5	49.1	51.8
Hong Kong SAR	597	85.1	4.9	85.1	6.8	3.1	0.2	0.0	82.7	87.4
Hungary	689	70.3	7.6	70.3	13.1	7.0	1.0	0.9	65.8	74.4
Iran, Islamic Rep. of	877	60.4	7.8	60.4	15.9	10.3	3.9	1.7	57.7	62.8
Ireland	677	80.1	4.8	80.1	8.9	3.6	1.4	1.1	78.9	81.3
Israel	793	73.7	7.7	73.7	7.7	6.4	2.0	2.5	74.5	72.9
Italy	665	74.8	5.6	74.8	10.5	4.0	4.0	1.1	72.3	77.0
Japan	669	90.2	2.5	90.2	5.1	1.7	0.3	0.3	89.8	90.6
Jordan	1124	39.0	10.2	39.0	26.3	21.2	1.8	1.5	38.6	39.4
Kazakhstan	698	66.0	8.4	66.0	13.0	9.5	1.0	2.1	66.8	65.2
Korea, Rep. of	753	90.9	2.5	90.9	5.5	1.0	0.2	0.0	92.1	89.8
Kuwait	660	42.1	10.1	42.1	23.5	18.8	4.0	1.4	41.9	42.4
Lebanon	553	37.9	5.7	37.9	21.9	20.2	8.3	6.1	36.1	39.7
Lithuania	620	73.2	7.1	73.2	13.5	5.0	0.7	0.4	68.8	77.6
Malaysia	1394	55.4	6.7	55.4	24.2	9.5	1.8	2.3	54.8	56.0
Malta	544	60.1	7.6	60.1	18.7	10.1	2.5	1.0	59.4	60.8
Morocco	1730	32.8	7.8	32.8	26.3	28.0	3.6	1.5	33.9	31.9
New Zealand	1152	72.2	8.1	72.2	11.3	5.3	1.9	1.2	74.2	70.0
Norway	673	82.9	3.9	82.9	7.4	2.5	2.0	1.3	83.2	82.5
Oman	1271	40.6	8.2	40.6	22.3	26.0	2.1	0.8	42.7	38.5
Qatar	770	55.7	11.7	55.7	17.1	11.8	2.1	1.7	56.7	54.8
Russian Federation	685	76.5	4.1	76.5	10.2	5.2	3.2	0.7	75.9	77.1
Saudi Arabia	541	33.9	10.1	33.9	22.3	32.5	0.3	0.8	33.1	34.9
Singapore	872	87.9	3.6	87.9	4.6	2.8	0.8	0.3	88.1	87.6
Slovenia	606	76.4	4.0	76.4	13.2	5.4	0.8	0.3	80.5	71.8
South Africa	1794	34.0	6.3	34.0	24.6	31.4	1.7	1.9	34.6	33.3
Sweden	573	81.0	5.8	81.0	7.4	2.4	1.3	2.1	82.9	79.0
Thailand	927	58.0	12.3	58.0	15.5	11.2	2.5	0.6	57.9	58.0
Turkey	864	65.9	6.9	65.9	13.9	12.5	0.1	0.6	67.9	64.0
United Arab Emirates	2581	57.2	7.3	57.2	16.7	15.8	2.3	0.8	55.5	59.0
United States	1463	75.5	6.7	75.5	9.4	5.0	1.7	1.7	74.7	76.2
International Avg (n=39)	35941	63.7	7.2	63.7	15.2	10.6	1.9	1.3	63.1	64.2
Buenos Aires, Argentina	423	41.9	10.3	41.9	15.0	12.4	11.9	8.6	39.4	44.8
Ontario, Canada	631	80.3	5.1	80.3	7.0	4.0	1.0	2.6	77.3	83.6
Quebec, Canada	562	81.3	4.3	81.3	4.7	3.1	3.0	3.5	77.0	85.6
Norway (8)	668	79.0	6.7	79.0	8.9	2.6	2.1	0.7	79.4	78.5
Abu Dhabi, UAE	693	53.2	8.9	53.2	16.0	18.8	2.3	0.8	53.6	52.8
Dubai, UAE	869	71.8	5.1	71.8	12.1	9.0	1.5	0.6	69.5	74.2
Florida, US	286	69.5	8.4	69.5	16.3	5.1	0.6	0.2	69.3	69.6

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

M13_13A (M052418A): Data and Chance / Applying Type: MC Key: D
Label: Liv's smartphone use

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	38.3	13.7	13.7	31.0	38.3	2.8	0.5	38.1	38.4
Bahrain	705	23.6	14.2	12.5	46.8	23.6	1.7	1.3	22.4	24.8
Botswana	840	29.3	11.8	7.6	47.9	29.3	2.1	1.3	29.2	29.5
Canada	1234	45.0	11.2	10.7	28.0	45.0	1.9	3.3	44.1	45.9
Chile	693	21.6	16.5	13.9	44.1	21.6	1.7	2.2	18.7	24.0
Chinese Taipei	819	70.8	6.3	4.7	17.6	70.8	0.5	0.1	70.5	71.2
Egypt	1100	25.3	13.8	15.9	40.5	25.3	3.0	1.6	27.5	22.7
England	686	43.7	14.3	11.3	27.3	43.7	0.9	2.5	42.4	45.0
Georgia	582	32.2	15.2	14.4	34.5	32.2	2.4	1.3	26.8	37.7
Hong Kong SAR	597	77.9	4.6	6.0	10.6	77.9	0.9	0.0	76.5	79.2
Hungary	689	49.1	13.2	13.4	23.0	49.1	0.3	0.9	47.7	50.4
Iran, Islamic Rep. of	878	24.8	16.3	13.0	40.0	24.8	3.0	2.9	23.2	26.1
Ireland	677	50.6	11.8	10.4	24.5	50.6	1.4	1.4	50.2	50.9
Israel	793	44.4	14.6	11.7	24.2	44.4	2.2	3.0	42.2	46.8
Italy	665	33.4	14.8	13.9	33.3	33.4	3.2	1.4	31.3	35.3
Japan	669	58.2	8.7	13.5	19.1	58.2	0.3	0.3	58.2	58.2
Jordan	1124	17.0	13.1	10.2	56.1	17.0	1.9	1.7	15.0	19.1
Kazakhstan	698	48.2	13.2	10.6	23.4	48.2	2.2	2.3	46.8	49.6
Korea, Rep. of	753	66.2	6.3	7.2	20.1	66.2	0.2	0.0	68.1	64.5
Kuwait	651	17.1	16.4	12.4	47.4	17.1	4.8	1.8	17.0	17.2
Lebanon	553	27.4	10.7	15.0	32.8	27.4	6.6	7.6	25.9	28.9
Lithuania	620	42.2	15.4	12.3	28.5	42.2	0.8	0.8	37.9	46.4
Malaysia	1394	42.3	11.2	11.3	30.5	42.3	2.0	2.7	46.0	38.7
Malta	544	34.4	14.1	11.6	36.4	34.4	2.0	1.6	34.0	34.7
Morocco	1730	23.1	16.5	15.8	39.4	23.1	3.0	2.3	22.0	24.0
New Zealand	1152	34.1	13.3	13.8	35.7	34.1	1.6	1.4	34.1	34.2
Norway	673	43.6	11.0	14.2	26.0	43.6	2.8	2.3	40.0	47.4
Oman	1271	23.1	14.5	15.7	43.8	23.1	1.9	1.0	22.9	23.3
Qatar	770	26.8	16.0	12.8	39.9	26.8	1.7	2.9	22.7	30.5
Russian Federation	685	48.6	14.9	8.5	23.5	48.6	3.5	1.1	49.5	47.7
Saudi Arabia	541	18.2	16.1	17.9	46.5	18.2	0.3	1.0	12.9	23.8
Singapore	872	82.6	5.4	3.9	7.2	82.6	0.4	0.6	85.7	79.4
Slovenia	606	40.6	14.6	12.3	30.3	40.6	1.8	0.4	42.4	38.6
South Africa	1794	25.5	9.6	7.3	54.0	25.5	1.4	2.2	26.9	24.0
Sweden	573	46.6	14.2	11.2	23.0	46.6	2.8	2.2	43.4	49.9
Thailand	927	29.1	12.0	13.3	42.8	29.1	1.9	0.9	25.9	32.6
Turkey	864	29.5	10.9	12.4	46.1	29.5	0.5	0.6	27.5	31.3
United Arab Emirates	2581	31.9	13.7	11.0	40.6	31.9	1.9	0.9	29.3	34.6
United States	1463	39.1	11.5	10.5	36.1	39.1	0.9	2.0	35.6	42.5
International Avg (n=39)	35934	38.6	12.7	11.7	33.4	38.6	1.9	1.6	37.4	39.7
Buenos Aires, Argentina	424	19.5	11.7	15.8	30.8	19.5	9.8	12.4	17.8	21.6
Ontario, Canada	632	39.3	12.4	11.1	32.2	39.3	2.1	3.0	38.2	40.4
Quebec, Canada	562	57.3	11.1	8.8	16.8	57.3	1.5	4.5	55.3	59.2
Norway (8)	668	39.2	10.5	17.6	27.9	39.2	3.6	1.2	36.7	41.7
Abu Dhabi, UAE	693	26.9	16.4	13.3	40.7	26.9	1.9	0.8	26.2	27.5
Dubai, UAE	869	43.3	12.3	8.9	33.6	43.3	1.2	0.6	42.3	44.4
Florida, US	286	29.1	14.7	13.8	41.0	29.1	1.2	0.2	25.7	32.5

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

M13_13B (M052418B): Data and Chance / Applying Type: MC Key: A
Label: Smartphone use listening to music

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1468	51.9	51.9	18.3	21.6	5.6	1.3	1.3	55.0	48.7
Bahrain	705	30.1	30.1	14.4	42.9	8.9	1.5	2.3	29.6	30.5
Botswana	840	27.0	27.0	14.3	46.1	7.7	2.2	2.6	30.3	23.5
Canada	1233	54.9	54.9	16.2	18.8	2.9	2.9	4.2	53.3	56.6
Chile	693	43.3	43.3	19.6	24.8	6.8	2.8	2.8	46.8	40.4
Chinese Taipei	819	74.1	74.1	7.4	15.9	2.0	0.0	0.6	75.1	73.2
Egypt	1100	22.1	22.1	18.6	39.0	14.9	2.1	3.3	23.2	20.9
England	686	58.1	58.1	16.2	18.4	3.2	1.4	2.6	55.5	60.8
Georgia	582	40.7	40.7	19.4	26.2	7.6	3.7	2.4	39.5	42.1
Hong Kong SAR	597	81.2	81.2	8.4	6.8	2.6	0.2	0.7	77.9	84.4
Hungary	689	62.3	62.3	16.3	18.0	1.5	0.6	1.3	61.5	62.9
Iran, Islamic Rep. of	878	38.8	38.8	15.7	28.9	9.2	3.3	4.1	32.8	44.0
Ireland	677	62.5	62.5	15.1	15.6	3.7	1.3	1.7	64.0	61.0
Israel	793	52.5	52.5	13.1	21.9	5.1	3.1	4.3	50.6	54.4
Italy	665	43.8	43.8	19.2	26.4	5.0	3.5	2.1	41.9	45.5
Japan	669	68.6	68.6	13.5	13.6	3.2	0.8	0.3	69.2	68.0
Jordan	1124	25.1	25.1	16.8	43.2	9.9	2.3	2.6	26.0	24.2
Kazakhstan	698	51.2	51.2	12.7	25.5	5.5	1.7	3.4	51.6	50.8
Korea, Rep. of	753	71.4	71.4	12.2	14.6	1.5	0.2	0.1	72.2	70.7
Kuwait	651	23.0	23.0	20.3	40.0	9.0	2.7	4.9	24.1	22.1
Lebanon	553	24.5	24.5	14.4	34.1	10.0	6.8	10.2	22.0	27.1
Lithuania	620	53.6	53.6	18.4	22.5	2.7	1.4	1.4	54.8	52.5
Malaysia	1394	49.4	49.4	12.2	28.2	4.7	2.0	3.4	52.4	46.5
Malta	544	47.4	47.4	17.7	24.2	6.6	2.2	1.9	51.1	44.0
Morocco	1730	25.0	25.0	19.5	35.5	12.3	4.1	3.6	26.2	23.9
New Zealand	1152	49.2	49.2	19.1	22.9	4.8	2.2	1.8	51.8	46.3
Norway	673	51.7	51.7	16.4	20.9	3.5	3.6	3.9	52.6	50.8
Oman	1271	34.4	34.4	13.2	38.7	10.2	1.7	1.8	34.4	34.4
Qatar	770	39.9	39.9	17.2	30.0	7.4	1.7	3.9	42.4	37.5
Russian Federation	685	62.9	62.9	14.4	14.3	2.4	3.0	3.0	64.7	61.0
Saudi Arabia	541	26.7	26.7	20.6	40.2	10.8	0.5	1.2	25.5	28.0
Singapore	872	87.8	87.8	3.5	6.2	1.3	0.5	0.7	89.7	85.9
Slovenia	606	56.3	56.3	18.1	18.8	3.0	2.8	1.0	58.0	54.4
South Africa	1794	20.2	20.2	18.1	45.8	11.8	1.2	2.8	20.1	20.4
Sweden	573	47.6	47.6	17.7	19.4	5.6	5.9	3.8	46.3	49.0
Thailand	927	42.8	42.8	15.5	33.4	4.9	1.0	2.3	45.3	40.0
Turkey	864	39.7	39.7	16.1	36.4	5.8	1.3	0.7	38.4	40.9
United Arab Emirates	2581	42.7	42.7	13.7	33.6	5.9	2.4	1.7	42.1	43.3
United States	1463	56.9	56.9	14.1	22.1	3.7	0.9	2.3	55.4	58.3
International Avg (n=39)	35933	47.2	47.2	15.6	26.6	6.0	2.1	2.5	47.5	46.9
Buenos Aires, Argentina	423	24.7	24.7	18.7	22.2	8.4	9.8	16.2	22.3	27.6
Ontario, Canada	632	53.3	53.3	17.7	17.8	3.8	3.8	3.7	53.5	53.0
Quebec, Canada	561	58.8	58.8	12.8	18.8	1.9	2.1	5.6	55.9	61.8
Norway (8)	668	50.6	50.6	19.3	19.2	4.4	3.4	3.1	51.1	50.1
Abu Dhabi, UAE	693	39.5	39.5	16.9	31.5	8.0	2.5	1.6	40.5	38.4
Dubai, UAE	869	54.1	54.1	12.0	27.6	3.8	1.2	1.4	54.9	53.2
Florida, US	286	50.4	50.4	12.5	30.0	5.0	1.3	0.8	51.7	49.1

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

M14_01 (M062001): Number / Knowing Type: MC Key: B
Label: 276 x 85 is equal to

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	52.5	9.7	52.5	21.3	13.5	2.9	0.1	56.6	48.1
Bahrain	697	39.2	11.7	39.2	27.9	18.6	2.6	0.0	44.0	34.5
Botswana	846	50.2	12.3	50.2	22.8	10.6	4.0	0.2	51.3	48.9
Canada	1248	67.6	6.7	67.6	14.9	8.4	2.2	0.1	67.0	68.3
Chile	685	28.2	15.6	28.2	31.3	17.5	7.3	0.0	28.2	28.2
Chinese Taipei	820	56.9	7.7	56.9	20.7	13.9	0.8	0.0	54.0	59.8
Egypt	1113	55.3	7.8	55.3	24.1	10.4	2.3	0.2	57.1	53.3
England	676	56.5	9.4	56.5	20.4	11.2	2.3	0.2	58.7	54.3
Georgia	576	38.4	11.2	38.4	26.5	20.1	3.8	0.0	39.9	36.6
Hong Kong SAR	592	74.8	6.8	74.8	12.0	5.5	0.9	0.0	72.9	76.7
Hungary	682	58.2	6.6	58.2	21.7	9.9	3.6	0.0	57.6	58.7
Iran, Islamic Rep. of	880	34.5	11.1	34.5	26.8	17.8	9.6	0.1	31.3	37.4
Ireland	680	79.8	4.2	79.8	8.1	5.3	2.4	0.3	86.8	73.0
Israel	788	68.4	6.3	68.4	13.5	8.4	3.1	0.4	70.4	66.5
Italy	649	51.9	8.5	51.9	21.8	13.8	4.0	0.0	51.0	52.8
Japan	670	65.2	5.8	65.2	15.6	11.6	1.7	0.1	66.8	63.5
Jordan	1133	37.6	11.8	37.6	26.4	18.0	6.3	0.0	38.2	37.0
Kazakhstan	704	70.7	7.5	70.7	10.7	8.7	2.4	0.0	72.3	69.3
Korea, Rep. of	763	50.6	9.6	50.6	22.2	17.1	0.5	0.0	48.8	52.1
Kuwait	650	44.9	10.8	44.9	24.3	13.9	5.8	0.2	45.5	44.4
Lebanon	537	66.2	4.4	66.2	10.9	8.8	9.5	0.2	66.0	66.4
Lithuania	621	58.1	9.6	58.1	19.0	10.7	2.7	0.0	59.8	56.4
Malaysia	1383	81.2	4.0	81.2	9.2	4.8	0.9	0.0	85.7	76.2
Malta	541	62.9	6.4	62.9	16.4	11.4	2.8	0.0	65.3	60.5
Morocco	1896	41.6	7.8	41.6	29.4	14.3	6.6	0.3	45.4	38.2
New Zealand	1152	43.8	13.6	43.8	26.9	12.3	3.0	0.3	46.1	41.4
Norway	669	40.5	11.5	40.5	26.2	14.3	7.5	0.1	40.6	40.3
Oman	1285	45.6	10.5	45.6	26.7	13.0	4.2	0.1	46.5	44.7
Qatar	764	40.7	10.9	40.7	27.3	16.1	4.7	0.3	39.2	42.3
Russian Federation	685	69.9	9.8	69.9	11.3	5.7	3.3	0.0	69.7	70.1
Saudi Arabia	544	38.5	11.0	38.5	27.6	19.1	3.8	0.0	36.0	41.2
Singapore	873	84.1	3.5	84.1	7.4	4.6	0.4	0.0	85.5	82.7
Slovenia	605	53.3	5.1	53.3	25.1	9.3	7.2	0.0	55.1	51.2
South Africa	1787	41.9	11.3	41.9	28.8	15.1	3.0	0.0	44.0	39.7
Sweden	582	37.5	9.9	37.5	32.2	14.2	6.1	0.1	39.9	34.9
Thailand	929	43.4	13.7	43.4	25.2	14.9	2.7	0.1	45.9	40.6
Turkey	865	37.3	15.2	37.3	29.2	17.2	1.0	0.0	36.4	38.2
United Arab Emirates	2573	56.7	8.7	56.7	21.0	11.1	2.6	0.0	56.4	57.0
United States	1457	60.4	9.9	60.4	16.8	11.2	1.6	0.1	61.0	59.7
International Avg (n=39)	36054	53.5	9.2	53.5	21.3	12.4	3.6	0.1	54.4	52.4
Buenos Aires, Argentina	423	27.7	11.5	27.7	27.4	18.6	13.5	1.3	28.8	26.0
Ontario, Canada	640	66.8	7.3	66.8	14.0	8.9	2.8	0.2	65.7	68.1
Quebec, Canada	568	75.7	4.7	75.7	11.5	6.9	1.2	0.0	76.2	75.2
Norway (8)	688	36.3	12.5	36.3	29.0	15.9	6.3	0.0	38.7	34.0
Abu Dhabi, UAE	690	57.4	9.9	57.4	18.9	10.4	3.3	0.0	59.2	55.7
Dubai, UAE	870	58.6	7.6	58.6	22.5	9.2	2.0	0.0	56.9	60.4
Florida, US	291	56.8	9.8	56.8	18.2	13.6	1.2	0.4	61.6	52.1

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

M14_02 (M062214): Number / Applying Type: CR 1 Point
Label: Ahmed buys ice cream and a book

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	50.6	45.1	50.6	4.2	0.1	46.9	54.7
Bahrain	697	18.9	75.5	18.9	5.6	0.0	20.5	17.5
Botswana	846	8.5	89.7	8.5	1.7	0.2	10.5	6.2
Canada	1249	53.6	43.1	53.6	2.9	0.4	53.6	53.7
Chile	685	24.2	57.7	24.2	17.9	0.1	23.3	25.2
Chinese Taipei	820	67.8	31.0	67.8	1.2	0.0	65.4	70.1
Egypt	1113	20.4	72.2	20.4	7.2	0.2	20.8	20.1
England	676	45.7	50.7	45.7	3.4	0.2	41.3	50.2
Georgia	576	29.7	58.7	29.7	11.5	0.0	26.9	33.2
Hong Kong SAR	593	65.4	33.8	65.4	0.8	0.0	63.5	67.3
Hungary	682	45.0	48.8	45.0	6.2	0.0	41.2	48.6
Iran, Islamic Rep. of	880	31.7	61.3	31.7	6.9	0.1	28.1	34.9
Ireland	680	51.5	46.6	51.5	1.7	0.3	50.5	52.4
Israel	788	51.2	43.8	51.2	4.6	0.4	48.5	54.0
Italy	649	37.8	56.7	37.8	5.5	0.0	34.1	41.8
Japan	670	67.5	30.6	67.5	1.8	0.1	67.8	67.1
Jordan	1133	17.1	77.7	17.1	5.1	0.0	13.0	21.3
Kazakhstan	704	43.0	53.1	43.0	3.9	0.0	41.5	44.3
Korea, Rep. of	763	68.8	30.5	68.8	0.6	0.0	62.7	74.1
Kuwait	649	17.8	72.4	17.8	9.6	0.2	15.0	20.5
Lebanon	543	16.0	68.5	16.0	15.3	0.2	14.9	17.3
Lithuania	621	45.7	46.7	45.7	7.6	0.0	46.6	44.9
Malaysia	1383	28.1	67.2	28.1	4.6	0.0	29.1	27.1
Malta	541	30.5	64.2	30.5	5.3	0.0	26.4	34.6
Morocco	1896	17.5	74.5	17.5	7.6	0.3	19.0	16.2
New Zealand	1152	47.5	46.7	47.5	5.5	0.3	45.6	49.5
Norway	669	60.2	35.3	60.2	4.4	0.1	61.7	58.7
Oman	1285	15.5	80.6	15.5	3.9	0.1	16.3	14.7
Qatar	764	24.2	69.9	24.2	5.5	0.4	24.5	24.0
Russian Federation	685	51.0	43.4	51.0	5.7	0.0	46.9	55.4
Saudi Arabia	544	14.4	81.3	14.4	4.3	0.0	14.4	14.4
Singapore	873	77.7	21.9	77.7	0.5	0.0	78.7	76.6
Slovenia	605	46.9	48.8	46.9	4.3	0.0	41.0	53.9
South Africa	1787	6.4	90.9	6.4	2.7	0.0	5.6	7.1
Sweden	582	55.4	42.0	55.4	2.6	0.1	57.6	53.0
Thailand	929	20.5	72.3	20.5	7.1	0.1	22.5	18.2
Turkey	865	33.8	63.1	33.8	3.1	0.0	28.2	38.8
United Arab Emirates	2573	25.5	71.1	25.5	3.4	0.0	24.2	26.8
United States	1457	42.7	56.0	42.7	1.2	0.1	36.4	49.2
International Avg (n=39)	36061	37.8	57.0	37.8	5.0	0.1	36.3	39.4
Buenos Aires, Argentina	436	21.3	46.4	21.3	31.0	1.3	17.8	26.1
Ontario, Canada	640	50.8	45.3	50.8	3.3	0.7	51.0	50.5
Quebec, Canada	569	60.4	37.4	60.4	2.2	0.0	58.7	62.3
Norway (8)	688	56.0	37.7	56.0	6.3	0.0	52.5	59.3
Abu Dhabi, UAE	690	20.6	77.2	20.6	2.2	0.0	19.0	22.3
Dubai, UAE	870	35.2	61.3	35.2	3.5	0.0	31.0	39.7
Florida, US	291	32.4	65.1	32.4	2.1	0.4	28.1	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.

M14_03 (M062146): Number / Applying Type: MC Key: A
Label: Find percent of fir trees in a park given a ratio

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	45.1	45.1	19.2	26.3	7.0	2.4	0.1	39.8	51.0
Bahrain	697	17.8	17.8	27.6	44.2	8.9	1.5	0.0	14.1	21.3
Botswana	846	34.0	34.0	20.1	28.4	15.9	1.5	0.2	36.6	31.1
Canada	1248	32.3	32.3	15.3	45.2	4.9	1.6	0.7	28.4	36.3
Chile	685	29.0	29.0	27.4	28.8	11.6	3.1	0.1	23.5	34.6
Chinese Taipei	820	74.4	74.4	11.7	9.0	4.4	0.4	0.0	72.5	76.2
Egypt	1113	26.1	26.1	28.6	29.4	14.0	1.8	0.2	28.2	23.7
England	676	47.6	47.6	18.4	25.9	6.6	1.3	0.2	48.9	46.3
Georgia	576	30.4	30.4	24.9	30.7	9.5	4.5	0.0	24.4	37.8
Hong Kong SAR	593	66.2	66.2	9.1	20.8	4.0	0.0	0.0	64.0	68.2
Hungary	682	50.8	50.8	19.8	22.2	6.6	0.6	0.0	44.7	56.5
Iran, Islamic Rep. of	880	34.7	34.7	22.2	27.2	11.1	4.7	0.1	28.2	40.4
Ireland	680	47.7	47.7	19.3	25.1	6.4	1.2	0.3	43.6	51.7
Israel	788	38.6	38.6	14.3	29.5	12.6	4.4	0.5	37.9	39.3
Italy	649	25.2	25.2	24.2	37.5	7.8	5.3	0.0	19.6	31.3
Japan	670	75.9	75.9	14.7	5.1	3.9	0.3	0.1	76.0	75.8
Jordan	1133	19.2	19.2	32.6	27.5	17.7	2.6	0.4	17.2	21.2
Kazakhstan	704	38.4	38.4	15.6	38.0	6.7	1.3	0.0	33.9	42.5
Korea, Rep. of	763	83.5	83.5	7.1	4.8	4.6	0.0	0.0	84.6	82.5
Kuwait	652	19.8	19.8	39.0	25.9	11.2	3.7	0.4	18.7	20.9
Lebanon	540	15.3	15.3	24.8	32.2	11.3	16.1	0.3	16.0	14.4
Lithuania	621	43.7	43.7	18.2	30.4	6.1	1.7	0.0	40.4	46.7
Malaysia	1383	36.4	36.4	23.7	28.4	8.9	2.4	0.2	36.6	36.2
Malta	541	33.5	33.5	25.7	31.0	7.4	2.4	0.0	31.2	35.9
Morocco	1897	12.9	12.9	28.4	33.9	18.5	5.9	0.4	12.2	13.5
New Zealand	1152	38.1	38.1	25.3	26.4	6.4	3.3	0.5	38.0	38.3
Norway	669	31.6	31.6	13.1	47.7	6.3	1.3	0.1	29.0	34.1
Oman	1285	18.1	18.1	37.2	26.9	14.3	3.3	0.3	14.8	21.2
Qatar	764	30.1	30.1	24.5	32.1	10.2	2.7	0.5	25.8	34.3
Russian Federation	685	49.8	49.8	10.6	31.6	5.8	2.1	0.1	44.8	55.2
Saudi Arabia	544	14.1	14.1	39.4	31.0	14.1	1.4	0.0	10.1	18.5
Singapore	873	87.1	87.1	4.2	5.2	3.0	0.4	0.0	87.0	87.1
Slovenia	605	36.1	36.1	14.1	40.4	8.3	1.1	0.0	34.5	37.9
South Africa	1787	20.0	20.0	34.5	27.5	16.1	1.9	0.0	16.8	23.3
Sweden	582	16.1	16.1	23.2	46.8	10.6	3.2	0.1	12.0	20.6
Thailand	929	32.7	32.7	28.9	25.7	9.5	2.9	0.2	29.8	35.9
Turkey	865	22.0	22.0	26.2	41.1	9.9	0.7	0.0	21.0	22.9
United Arab Emirates	2573	26.6	26.6	26.0	36.5	8.8	2.0	0.0	23.1	30.2
United States	1457	37.7	37.7	15.1	40.6	5.2	1.2	0.1	31.7	43.8
International Avg (n=39)	36061	36.9	36.9	21.9	29.4	9.1	2.5	0.2	34.3	39.5
Buenos Aires, Argentina	428	11.7	11.7	34.0	26.4	10.9	15.2	1.7	9.7	14.3
Ontario, Canada	640	39.5	39.5	17.9	34.0	5.8	1.7	1.1	36.2	43.2
Quebec, Canada	568	19.0	19.0	10.4	66.9	2.4	1.3	0.0	12.7	25.8
Norway (8)	688	23.4	23.4	16.2	52.9	5.9	1.6	0.0	20.1	26.6
Abu Dhabi, UAE	690	23.7	23.7	29.1	35.7	9.3	2.2	0.0	20.9	26.6
Dubai, UAE	870	38.9	38.9	18.5	35.2	6.1	1.2	0.0	32.2	46.0
Florida, US	291	26.2	26.2	17.0	49.2	6.0	1.3	0.4	21.1	31.1

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

M14_04 (M062154): Number / Applying Type: CR 1 Point
Label: Number of eggs Minji needs to bake cookies

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	61.7	35.9	61.7	2.3	0.1	59.2	64.5
Bahrain	697	30.7	65.0	30.7	4.3	0.0	25.8	35.3
Botswana	846	24.5	73.2	24.5	2.0	0.3	27.6	21.1
Canada	1249	66.5	29.4	66.5	3.4	0.7	63.8	69.4
Chile	685	45.9	42.5	45.9	11.5	0.1	38.3	53.4
Chinese Taipei	820	83.7	15.3	83.7	1.1	0.0	80.3	87.0
Egypt	1113	18.4	71.6	18.4	9.7	0.2	18.0	18.9
England	676	68.9	29.4	68.9	1.5	0.2	63.6	74.3
Georgia	576	45.1	46.9	45.1	7.7	0.2	42.0	48.9
Hong Kong SAR	593	81.9	17.4	81.9	0.7	0.0	82.1	81.7
Hungary	682	66.9	30.3	66.9	2.9	0.0	59.8	73.4
Iran, Islamic Rep. of	880	36.5	53.7	36.5	9.4	0.4	33.2	39.3
Ireland	680	65.7	32.6	65.7	1.4	0.3	63.7	67.7
Israel	788	59.1	33.7	59.1	6.3	0.9	53.0	65.1
Italy	649	52.8	41.5	52.8	5.6	0.0	46.5	59.6
Japan	670	82.1	16.7	82.1	1.1	0.1	80.8	83.6
Jordan	1133	22.1	73.5	22.1	4.0	0.4	19.7	24.5
Kazakhstan	704	60.2	36.5	60.2	3.1	0.2	59.5	60.9
Korea, Rep. of	763	87.3	12.4	87.3	0.2	0.0	85.9	88.6
Kuwait	652	21.3	69.6	21.3	8.5	0.7	20.3	22.3
Lebanon	543	44.3	43.6	44.3	11.8	0.3	43.2	45.4
Lithuania	621	73.4	23.5	73.4	3.1	0.0	70.5	76.1
Malaysia	1383	42.3	53.0	42.3	4.5	0.2	41.5	43.2
Malta	541	55.5	39.6	55.5	5.0	0.0	51.2	59.6
Morocco	1897	27.1	61.9	27.1	10.4	0.6	28.9	25.5
New Zealand	1152	57.6	38.2	57.6	3.7	0.5	56.5	58.7
Norway	669	68.8	27.2	68.8	3.8	0.1	64.3	73.5
Oman	1284	20.2	75.6	20.2	4.0	0.3	17.4	22.8
Qatar	764	36.3	60.4	36.3	2.8	0.5	32.4	40.2
Russian Federation	685	66.7	26.9	66.7	6.1	0.3	61.4	72.6
Saudi Arabia	544	16.8	77.7	16.8	5.4	0.0	12.7	21.3
Singapore	873	88.4	11.3	88.4	0.4	0.0	89.6	87.1
Slovenia	605	70.5	26.0	70.5	3.5	0.0	66.8	74.9
South Africa	1787	24.4	73.6	24.4	1.9	0.1	21.9	27.0
Sweden	582	65.7	31.3	65.7	2.9	0.1	62.7	69.0
Thailand	929	44.8	51.0	44.8	4.0	0.2	42.9	46.8
Turkey	865	42.3	52.4	42.3	5.3	0.0	35.9	47.9
United Arab Emirates	2572	38.7	57.8	38.7	3.5	0.0	34.5	42.8
United States	1457	56.9	41.1	56.9	1.6	0.4	55.1	58.6
International Avg (n=39)	36063	51.8	43.6	51.8	4.4	0.2	49.0	54.7
Buenos Aires, Argentina	436	32.9	40.9	32.9	24.5	1.7	25.6	42.1
Ontario, Canada	640	63.3	32.0	63.3	3.6	1.1	60.5	66.4
Quebec, Canada	569	74.9	22.7	74.9	2.4	0.0	71.4	78.7
Norway (8)	688	70.2	25.9	70.2	3.9	0.0	65.7	74.5
Abu Dhabi, UAE	689	32.6	64.1	32.6	3.3	0.0	29.7	35.5
Dubai, UAE	870	51.0	45.7	51.0	3.2	0.0	44.2	58.3
Florida, US	291	48.8	46.8	48.8	4.1	0.4	47.3	50.2

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.

M14_05 (M062067): Algebra / Knowing Type: MC Key: C
Label: Find value of x when y=5

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	69.7	8.9	9.5	69.7	9.9	1.9	0.1	71.2	68.1
Bahrain	697	66.3	13.6	9.2	66.3	10.2	0.7	0.0	68.6	64.0
Botswana	848	45.6	20.7	17.4	45.6	14.3	1.7	0.3	49.8	41.1
Canada	1248	76.4	7.7	4.6	76.4	7.2	2.8	1.2	77.6	75.1
Chile	685	51.8	15.8	17.3	51.8	9.8	5.3	0.1	47.6	56.0
Chinese Taipei	820	82.4	6.0	4.2	82.4	7.4	0.0	0.0	83.5	81.4
Egypt	1113	49.9	18.9	16.0	49.9	13.3	1.7	0.2	50.1	49.6
England	676	66.7	8.2	8.1	66.7	14.8	1.9	0.2	70.4	62.9
Georgia	576	63.0	19.5	8.9	63.0	6.6	1.8	0.2	62.5	63.7
Hong Kong SAR	593	88.5	4.8	2.9	88.5	3.5	0.4	0.0	90.4	86.6
Hungary	682	74.0	10.9	7.5	74.0	6.2	1.3	0.0	75.9	72.2
Iran, Islamic Rep. of	880	57.4	19.2	8.6	57.4	10.8	3.5	0.4	63.1	52.4
Ireland	680	69.5	11.3	7.4	69.5	9.4	2.2	0.3	69.7	69.2
Israel	788	74.3	10.1	7.1	74.3	5.5	2.0	1.1	76.4	72.1
Italy	649	57.3	17.5	11.3	57.3	10.2	3.6	0.0	57.0	57.7
Japan	670	85.2	5.8	3.0	85.2	5.3	0.6	0.1	86.5	83.8
Jordan	1133	55.3	19.9	11.0	55.3	12.1	1.3	0.4	64.1	46.6
Kazakhstan	704	70.6	11.5	7.7	70.6	9.1	0.9	0.2	71.1	70.1
Korea, Rep. of	763	89.5	3.7	2.0	89.5	4.6	0.3	0.0	91.3	88.0
Kuwait	650	51.5	21.5	14.4	51.5	8.8	3.1	0.7	55.2	47.9
Lebanon	542	62.1	18.1	7.0	62.1	6.1	6.4	0.3	62.4	61.8
Lithuania	621	65.1	17.5	8.5	65.1	8.2	0.7	0.0	64.2	66.0
Malaysia	1383	56.1	17.4	10.6	56.1	13.5	2.0	0.3	56.2	56.0
Malta	541	65.7	12.7	8.2	65.7	12.2	1.3	0.0	65.0	66.3
Morocco	1897	41.0	31.7	14.2	41.0	8.7	3.8	0.6	43.2	39.0
New Zealand	1152	66.8	10.4	10.3	66.8	7.9	4.0	0.5	67.8	65.8
Norway	669	62.7	13.1	11.1	62.7	7.4	5.7	0.1	64.0	61.3
Oman	1285	54.4	18.6	11.4	54.4	13.0	2.3	0.3	62.4	46.6
Qatar	765	60.0	15.0	8.1	60.0	14.9	1.5	0.5	60.5	59.6
Russian Federation	685	76.3	11.7	4.4	76.3	5.9	1.3	0.5	77.9	74.5
Saudi Arabia	544	47.3	23.1	9.3	47.3	19.2	1.2	0.0	46.9	47.7
Singapore	873	88.6	6.9	1.8	88.6	2.4	0.3	0.0	89.6	87.6
Slovenia	605	72.4	11.0	8.7	72.4	6.1	1.6	0.2	74.2	70.3
South Africa	1787	44.4	23.3	15.2	44.4	15.5	1.6	0.1	49.5	39.0
Sweden	582	68.9	9.5	9.2	68.9	8.3	4.0	0.1	73.0	64.5
Thailand	929	48.9	25.1	14.9	48.9	9.2	1.8	0.2	50.1	47.6
Turkey	865	58.2	16.3	14.2	58.2	10.6	0.7	0.0	59.6	56.8
United Arab Emirates	2572	64.2	12.4	8.2	64.2	13.5	1.5	0.1	66.9	61.6
United States	1457	78.4	6.9	4.9	78.4	8.2	1.1	0.5	79.6	77.1
International Avg (n=39)	36063	64.8	14.3	9.2	64.8	9.5	2.0	0.3	66.5	63.0
Buenos Aires, Argentina	422	47.0	16.9	11.6	47.0	5.7	17.0	1.7	49.2	43.8
Ontario, Canada	640	74.7	7.5	4.5	74.7	8.9	3.0	1.5	75.1	74.2
Quebec, Canada	568	78.5	8.5	4.6	78.5	4.9	2.6	0.9	81.1	75.8
Norway (8)	688	53.1	18.5	13.9	53.1	9.7	4.9	0.0	53.9	52.4
Abu Dhabi, UAE	690	60.3	15.5	10.6	60.3	12.3	1.2	0.1	64.6	55.9
Dubai, UAE	870	73.1	10.2	4.0	73.1	11.7	1.0	0.0	70.4	75.9
Florida, US	291	70.9	11.5	7.4	70.9	9.2	0.2	0.7	73.7	68.3

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

M14_06 (M062341): Algebra / Knowing Type: MC Key: D
Label: Slope of line y=3x-1

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	20.7	15.8	39.1	19.8	20.7	4.4	0.1	22.0	19.4
Bahrain	697	59.2	15.4	13.1	10.8	59.2	1.4	0.0	62.3	56.2
Botswana	848	23.6	30.3	30.1	12.9	23.6	2.6	0.5	22.8	24.6
Canada	1247	19.5	19.7	32.0	18.9	19.5	8.5	1.5	21.1	17.7
Chile	685	21.2	22.1	27.5	20.8	21.2	8.0	0.4	21.6	20.7
Chinese Taipei	820	20.1	17.4	33.3	27.8	20.1	1.3	0.0	16.9	23.3
Egypt	1113	30.2	26.6	18.0	21.6	30.2	3.4	0.2	29.6	30.8
England	676	23.7	16.2	34.3	20.2	23.7	5.3	0.2	24.7	22.7
Georgia	576	26.5	22.8	25.6	16.3	26.5	8.5	0.2	26.8	26.1
Hong Kong SAR	593	25.5	18.2	28.6	25.9	25.5	1.7	0.0	25.1	25.9
Hungary	682	27.9	15.6	31.8	19.7	27.9	4.9	0.0	26.6	29.2
Iran, Islamic Rep. of	880	25.5	28.2	18.2	15.7	25.5	11.9	0.5	23.5	27.3
Ireland	680	31.5	20.1	24.4	17.9	31.5	6.0	0.3	30.5	32.5
Israel	788	60.1	11.0	16.0	7.7	60.1	4.0	1.2	62.0	58.2
Italy	649	24.1	22.6	26.3	19.1	24.1	7.7	0.3	25.4	22.7
Japan	670	71.2	5.6	19.5	3.3	71.2	0.2	0.1	69.0	73.7
Jordan	1133	33.4	21.9	25.4	16.6	33.4	2.4	0.4	36.4	30.3
Kazakhstan	704	42.8	17.9	22.5	14.2	42.8	2.4	0.2	42.2	43.4
Korea, Rep. of	763	53.7	10.5	26.4	8.9	53.7	0.5	0.0	55.4	52.2
Kuwait	650	21.4	29.3	20.3	20.5	21.4	7.6	1.0	17.6	25.2
Lebanon	538	23.7	25.0	21.3	12.5	23.7	17.0	0.4	20.1	27.7
Lithuania	621	26.8	24.5	21.9	18.1	26.8	8.7	0.0	30.2	23.6
Malaysia	1383	28.6	20.7	32.1	14.9	28.6	3.2	0.5	28.1	29.3
Malta	541	29.4	15.0	40.4	11.3	29.4	3.9	0.0	28.7	30.1
Morocco	1897	24.8	35.5	21.1	11.8	24.8	6.1	0.7	25.6	24.1
New Zealand	1152	22.8	17.3	32.2	20.8	22.8	6.4	0.5	23.2	22.4
Norway	669	25.5	15.9	25.6	23.4	25.5	9.3	0.4	24.9	26.1
Oman	1285	27.0	27.8	21.7	18.5	27.0	4.8	0.3	26.2	27.8
Qatar	764	27.9	26.1	26.8	15.2	27.9	3.5	0.5	31.3	24.6
Russian Federation	685	42.2	15.0	21.7	11.0	42.2	9.4	0.7	42.1	42.4
Saudi Arabia	542	24.5	31.5	22.4	19.1	24.5	2.6	0.0	23.9	25.1
Singapore	873	48.9	12.8	24.2	13.1	48.9	1.1	0.0	52.9	45.0
Slovenia	605	25.1	22.9	19.4	22.1	25.1	10.2	0.2	24.5	25.7
South Africa	1787	26.0	32.5	24.8	13.5	26.0	2.9	0.3	26.7	25.2
Sweden	582	17.0	16.9	30.1	26.2	17.0	9.7	0.1	14.3	20.0
Thailand	929	25.2	31.4	20.4	18.2	25.2	4.6	0.2	26.4	23.8
Turkey	865	31.8	27.2	22.0	16.9	31.8	2.1	0.0	35.0	29.0
United Arab Emirates	2572	29.4	25.4	24.3	17.1	29.4	3.6	0.2	30.4	28.3
United States	1457	57.2	12.9	18.6	9.4	57.2	1.4	0.6	57.4	56.9
International Avg (n=39)	36055	31.4	21.1	25.2	16.7	31.4	5.2	0.3	31.6	31.3
Buenos Aires, Argentina	415	13.0	21.7	19.9	13.2	13.0	29.2	3.0	12.7	13.5
Ontario, Canada	640	20.1	18.9	31.2	20.3	20.1	7.6	1.9	22.1	17.8
Quebec, Canada	567	19.8	18.0	33.3	17.2	19.8	10.8	1.0	20.5	19.0
Norway (8)	688	18.5	15.8	31.5	23.8	18.5	10.5	0.0	18.3	18.6
Abu Dhabi, UAE	690	23.6	26.6	25.7	18.6	23.6	5.3	0.1	23.9	23.4
Dubai, UAE	870	41.8	16.1	24.3	15.2	41.8	2.7	0.0	43.8	39.7
Florida, US	291	53.2	12.7	19.9	12.1	53.2	1.5	0.7	55.1	51.3

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

M14_07 (M062242): Algebra / Reasoning Type: MC Key: A
Label: Relationship a graph of a line in words

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	62.2	62.2	14.5	12.8	7.3	3.0	0.3	59.9	64.8
Bahrain	697	57.2	57.2	21.6	12.6	7.0	1.7	0.0	60.5	53.9
Botswana	848	32.6	32.6	32.6	15.9	16.2	2.2	0.5	34.0	31.1
Canada	1234	64.5	64.5	14.7	10.7	5.4	3.0	1.7	60.3	69.1
Chile	685	35.1	35.1	28.6	15.6	15.5	4.9	0.4	32.3	37.8
Chinese Taipei	820	81.9	81.9	6.3	7.2	4.3	0.3	0.0	84.7	79.1
Egypt	1113	30.6	30.6	32.2	24.2	11.4	1.3	0.2	33.7	27.1
England	676	65.0	65.0	15.4	10.2	5.8	3.5	0.2	63.5	66.5
Georgia	576	44.4	44.4	21.0	20.5	10.0	3.8	0.4	40.1	49.6
Hong Kong SAR	593	69.2	69.2	8.6	12.7	9.0	0.5	0.0	66.8	71.4
Hungary	682	65.0	65.0	15.6	13.4	5.0	1.1	0.0	61.0	68.7
Iran, Islamic Rep. of	880	35.1	35.1	25.3	21.2	13.4	4.5	0.5	34.7	35.5
Ireland	680	56.9	56.9	19.3	10.3	10.4	2.7	0.4	55.6	58.2
Israel	788	63.1	63.1	15.1	12.6	4.8	3.1	1.2	60.5	65.7
Italy	649	55.0	55.0	18.9	15.2	6.7	4.0	0.3	51.4	58.8
Japan	670	81.0	81.0	8.9	7.2	2.2	0.6	0.1	80.9	81.1
Jordan	1133	42.7	42.7	26.3	18.1	10.5	2.0	0.4	49.1	36.4
Kazakhstan	703	59.3	59.3	18.5	12.6	7.5	1.9	0.2	56.1	62.3
Korea, Rep. of	763	79.3	79.3	6.9	8.5	4.5	0.7	0.0	79.6	79.1
Kuwait	652	27.6	27.6	34.9	22.0	10.8	3.7	1.0	26.3	28.8
Lebanon	534	32.4	32.4	29.4	17.4	8.2	11.7	0.8	33.8	31.0
Lithuania	621	57.0	57.0	20.6	11.7	8.6	2.0	0.0	56.3	57.7
Malaysia	1383	45.4	45.4	19.1	14.0	17.5	3.1	0.8	41.6	49.6
Malta	541	53.0	53.0	21.8	12.3	7.2	5.5	0.2	49.6	56.4
Morocco	1897	22.6	22.6	48.8	14.7	10.0	3.1	0.8	21.7	23.4
New Zealand	1152	59.0	59.0	16.9	13.4	7.3	2.9	0.5	58.2	59.9
Norway	669	55.1	55.1	18.0	11.4	7.4	7.6	0.5	46.4	63.9
Oman	1285	51.1	51.1	25.5	12.4	8.9	1.8	0.3	56.4	46.1
Qatar	765	48.0	48.0	25.6	15.2	8.0	2.7	0.5	50.3	45.8
Russian Federation	685	70.8	70.8	12.5	6.8	6.0	3.1	0.8	65.5	76.5
Saudi Arabia	544	39.9	39.9	26.4	18.9	13.4	1.3	0.0	40.2	39.6
Singapore	873	80.7	80.7	8.1	5.6	4.9	0.7	0.0	82.0	79.4
Slovenia	605	64.7	64.7	15.9	11.6	4.7	2.9	0.2	67.0	61.9
South Africa	1787	29.0	29.0	38.1	15.6	14.5	2.5	0.3	28.5	29.6
Sweden	582	58.1	58.1	15.7	11.5	9.8	4.5	0.4	53.0	63.7
Thailand	929	39.9	39.9	26.1	19.1	10.9	3.7	0.3	38.9	41.0
Turkey	865	52.4	52.4	15.5	16.1	14.8	1.2	0.0	51.1	53.6
United Arab Emirates	2573	51.8	51.8	24.0	13.5	8.6	1.9	0.2	53.0	50.6
United States	1457	77.1	77.1	8.1	7.5	5.3	1.2	0.8	78.5	75.6
International Avg (n=39)	36043	53.7	53.7	20.5	13.6	8.8	2.9	0.4	52.9	54.6
Buenos Aires, Argentina	425	28.6	28.6	24.1	16.9	9.1	18.4	3.1	24.7	33.7
Ontario, Canada	638	67.6	67.6	12.0	10.1	4.5	3.5	2.2	65.3	70.3
Quebec, Canada	556	61.8	61.8	17.8	10.8	6.5	2.1	1.0	53.5	70.7
Norway (8)	688	43.9	43.9	25.2	14.7	8.4	7.7	0.0	38.9	48.7
Abu Dhabi, UAE	690	51.2	51.2	22.8	13.8	10.2	1.9	0.1	52.9	49.4
Dubai, UAE	870	64.1	64.1	16.9	9.9	7.5	1.6	0.0	62.7	65.5
Florida, US	291	68.4	68.4	17.5	7.0	5.5	0.8	0.7	72.3	64.7

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

M14_08A (M062250A): Geometry / Applying Type: CR 1 Point
Label: Julia's hexagon box - decorated strip

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	64.8	32.1	64.8	2.8	0.3	66.2	63.1
Bahrain	697	23.0	69.8	23.0	7.1	0.1	24.7	21.3
Botswana	848	6.5	90.2	6.5	2.7	0.6	5.4	7.6
Canada	1249	61.6	32.3	61.6	4.0	2.2	61.4	61.7
Chile	685	35.4	50.8	35.4	13.4	0.4	34.1	36.7
Chinese Taipei	820	77.9	20.3	77.9	1.8	0.0	78.2	77.7
Egypt	1110	14.1	77.2	14.1	8.4	0.3	12.2	16.2
England	676	57.5	38.9	57.5	3.1	0.4	61.0	53.9
Georgia	575	42.8	41.8	42.8	14.3	1.1	38.4	48.0
Hong Kong SAR	593	70.8	27.2	70.8	1.9	0.0	72.2	69.5
Hungary	682	46.3	46.3	46.3	7.4	0.0	40.5	51.7
Iran, Islamic Rep. of	880	23.2	63.2	23.2	12.9	0.7	22.2	24.0
Ireland	680	59.8	37.7	59.8	2.0	0.5	56.0	63.5
Israel	788	53.6	36.0	53.6	8.9	1.4	50.8	56.4
Italy	649	62.5	26.5	62.5	10.6	0.4	64.8	60.1
Japan	670	75.8	21.6	75.8	2.3	0.3	74.9	76.8
Jordan	1133	17.2	76.2	17.2	6.2	0.4	16.5	18.0
Kazakhstan	703	44.1	48.5	44.1	7.1	0.2	42.4	45.7
Korea, Rep. of	763	80.4	18.2	80.4	1.4	0.0	84.9	76.6
Kuwait	649	19.7	70.4	19.7	8.7	1.2	21.0	18.5
Lebanon	543	17.1	60.8	17.1	20.6	1.6	15.3	19.1
Lithuania	621	67.0	29.4	67.0	3.6	0.0	66.5	67.5
Malaysia	1383	42.1	51.4	42.1	5.5	1.0	41.0	43.3
Malta	541	44.3	49.8	44.3	5.8	0.2	46.3	42.3
Morocco	1897	19.5	68.3	19.5	11.3	1.0	18.9	20.0
New Zealand	1152	60.6	34.7	60.6	4.2	0.5	63.0	58.1
Norway	669	65.9	26.2	65.9	7.3	0.7	70.7	61.0
Oman	1285	21.2	73.5	21.2	4.9	0.4	22.5	20.1
Qatar	765	29.1	63.6	29.1	6.5	0.8	29.3	29.0
Russian Federation	685	62.4	26.3	62.4	10.5	0.8	60.9	64.0
Saudi Arabia	543	4.6	85.8	4.6	9.6	0.0	2.9	6.4
Singapore	873	78.5	19.8	78.5	1.6	0.0	79.5	77.6
Slovenia	605	69.3	25.1	69.3	5.3	0.2	68.8	69.9
South Africa	1787	12.1	85.4	12.1	2.2	0.4	11.3	12.9
Sweden	581	62.1	31.2	62.1	6.3	0.4	65.9	57.9
Thailand	929	43.8	48.4	43.8	7.5	0.3	47.3	40.0
Turkey	865	44.9	49.6	44.9	5.5	0.0	45.4	44.5
United Arab Emirates	2573	33.1	60.8	33.1	5.9	0.2	33.7	32.5
United States	1457	48.7	47.7	48.7	2.8	0.8	46.0	51.6
International Avg (n=39)	36058	45.2	47.8	45.2	6.5	0.5	45.2	45.2
Buenos Aires, Argentina	436	27.3	34.8	27.3	35.0	3.0	26.0	28.6
Ontario, Canada	640	60.3	33.3	60.3	3.8	2.6	60.2	60.6
Quebec, Canada	569	66.5	27.6	66.5	4.0	1.8	66.3	66.8
Norway (8)	688	65.5	29.9	65.5	4.6	0.0	67.3	63.8
Abu Dhabi, UAE	690	29.6	64.3	29.6	5.9	0.2	34.4	24.6
Dubai, UAE	870	44.5	52.7	44.5	2.8	0.0	43.1	45.9
Florida, US	291	34.6	57.7	34.6	6.4	1.3	33.6	35.6

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.

M14_08B (M062250B): Geometry / Applying Type: CR 1 Point
Label: Julia's hexagon box - blue paper for sides

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	33.4	60.4	33.4	5.9	0.3	36.3	30.1
Bahrain	697	11.0	79.8	11.0	8.4	0.8	12.5	9.5
Botswana	848	3.2	91.4	3.2	4.4	1.0	3.7	2.8
Canada	1249	45.1	45.8	45.1	6.4	2.7	45.3	44.9
Chile	685	10.6	67.2	10.6	21.4	0.8	10.6	10.6
Chinese Taipei	820	64.6	29.8	64.6	5.5	0.0	66.1	63.3
Egypt	1109	5.7	82.5	5.7	11.1	0.7	7.3	3.9
England	676	31.0	60.5	31.0	8.1	0.4	34.7	27.2
Georgia	575	11.8	63.0	11.8	24.0	1.1	8.6	15.7
Hong Kong SAR	593	39.3	52.6	39.3	8.1	0.0	39.9	38.7
Hungary	682	19.4	60.2	19.4	20.4	0.0	16.7	21.9
Iran, Islamic Rep. of	880	16.4	61.5	16.4	20.8	1.3	17.2	15.6
Ireland	680	35.8	57.0	35.8	6.7	0.5	33.9	37.7
Israel	788	31.7	50.8	31.7	15.8	1.8	29.8	33.5
Italy	649	32.1	44.6	32.1	22.8	0.5	34.2	29.8
Japan	670	58.1	36.2	58.1	5.4	0.3	57.8	58.4
Jordan	1133	4.5	86.3	4.5	8.6	0.6	4.0	4.9
Kazakhstan	703	29.1	60.1	29.1	10.5	0.2	27.9	30.3
Korea, Rep. of	763	72.6	25.5	72.6	1.8	0.0	79.2	67.0
Kuwait	649	6.1	80.8	6.1	11.5	1.6	6.2	6.0
Lebanon	543	7.8	61.5	7.8	28.9	1.8	6.1	9.6
Lithuania	621	37.8	49.9	37.8	12.3	0.0	41.1	34.8
Malaysia	1383	17.0	73.1	17.0	8.0	2.0	17.6	16.3
Malta	541	26.0	61.0	26.0	12.8	0.2	23.8	28.2
Morocco	1897	7.9	72.6	7.9	18.4	1.2	8.8	7.0
New Zealand	1152	25.6	65.2	25.6	8.6	0.5	27.2	24.0
Norway	669	27.3	55.5	27.3	16.3	0.9	29.0	25.6
Oman	1285	10.0	81.8	10.0	7.8	0.4	12.2	7.9
Qatar	765	14.5	74.4	14.5	10.3	0.8	14.7	14.3
Russian Federation	685	35.8	44.1	35.8	19.2	0.9	36.0	35.4
Saudi Arabia	543	8.1	81.0	8.1	10.6	0.3	6.8	9.6
Singapore	873	62.3	34.5	62.3	3.2	0.1	64.9	59.7
Slovenia	605	20.2	62.5	20.2	17.1	0.2	20.2	20.0
South Africa	1787	2.7	93.3	2.7	3.4	0.5	3.3	2.1
Sweden	582	29.5	54.0	29.5	15.8	0.7	32.0	26.8
Thailand	929	11.6	76.9	11.6	11.0	0.4	12.0	11.2
Turkey	865	14.6	78.2	14.6	7.2	0.0	13.3	15.8
United Arab Emirates	2573	16.8	74.4	16.8	8.4	0.3	16.3	17.3
United States	1457	28.6	67.8	28.6	2.6	1.0	28.0	29.3
International Avg (n=39)	36058	24.8	63.0	24.8	11.5	0.7	25.3	24.3
Buenos Aires, Argentina	436	3.2	43.3	3.2	49.7	3.8	2.8	3.3
Ontario, Canada	640	42.0	48.4	42.0	6.6	3.0	43.1	40.7
Quebec, Canada	569	49.9	41.0	49.9	6.4	2.7	47.1	53.0
Norway (8)	688	26.6	58.8	26.6	14.3	0.2	27.0	26.3
Abu Dhabi, UAE	690	12.9	78.2	12.9	8.7	0.2	11.2	14.7
Dubai, UAE	870	27.2	67.5	27.2	5.3	0.0	26.1	28.5
Florida, US	291	24.5	67.7	24.5	5.9	1.9	25.3	23.8

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.

M14_09 (M062170): Geometry / Reasoning Type: CR 2 Points
Label: Fill in table for number of faces coated with paint

COUNTRY	N	20 %	10 %	79 %	V1 %	V2 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	20.8	38.4	34.3	59.2	20.8	6.1	0.3	18.7	23.0
Bahrain	697	6.3	40.1	46.7	46.4	6.3	6.0	0.9	8.6	4.1
Botswana	848	0.8	38.6	55.2	39.4	0.8	4.1	1.4	0.9	0.7
Canada	1249	20.0	32.2	38.1	52.2	20.0	6.8	3.0	18.0	22.1
Chile	685	4.4	34.4	44.1	38.8	4.4	16.2	0.9	2.8	6.0
Chinese Taipei	820	37.3	25.1	35.0	62.4	37.3	2.6	0.0	34.9	39.7
Egypt	1113	1.4	29.8	58.1	31.2	1.4	10.0	0.7	1.0	1.9
England	676	18.1	30.8	43.1	48.9	18.1	7.6	0.4	18.7	17.6
Georgia	575	5.1	29.4	42.8	34.5	5.1	21.3	1.4	4.1	6.3
Hong Kong SAR	593	34.3	28.3	34.4	62.6	34.3	2.9	0.0	35.3	33.4
Hungary	682	25.8	40.2	26.2	65.9	25.8	7.8	0.1	21.1	30.1
Iran, Islamic Rep. of	880	6.8	34.6	43.5	41.5	6.8	13.6	1.4	7.2	6.5
Ireland	680	17.4	36.8	37.6	54.1	17.4	7.6	0.6	19.7	15.1
Israel	788	8.1	34.8	40.7	42.9	8.1	14.4	1.9	8.2	8.0
Italy	649	11.9	41.5	31.6	53.4	11.9	14.2	0.8	10.7	13.3
Japan	670	38.1	32.4	26.1	70.5	38.1	3.1	0.3	37.4	38.9
Jordan	1133	1.6	37.9	53.4	39.5	1.6	6.4	0.7	2.5	0.7
Kazakhstan	704	11.4	30.2	47.7	41.7	11.4	10.4	0.2	12.1	10.8
Korea, Rep. of	763	33.0	37.9	25.7	70.9	33.0	3.3	0.0	34.5	31.8
Kuwait	652	4.3	27.3	51.0	31.6	4.3	15.8	1.6	4.2	4.5
Lebanon	543	6.7	30.8	43.7	37.5	6.7	16.9	1.9	5.3	8.2
Lithuania	621	21.9	44.8	26.3	66.7	21.9	6.9	0.0	24.4	19.7
Malaysia	1383	7.5	35.1	47.8	42.6	7.5	7.5	2.1	7.1	7.9
Malta	541	9.6	35.0	48.0	44.6	9.6	7.2	0.2	8.7	10.5
Morocco	1897	0.6	42.2	43.4	42.7	0.6	12.6	1.3	0.5	0.6
New Zealand	1152	16.3	30.4	46.1	46.6	16.3	6.5	0.7	16.7	15.8
Norway	669	20.9	34.6	31.0	55.5	20.9	12.6	1.0	18.9	22.8
Oman	1285	1.8	35.6	56.9	37.5	1.8	5.1	0.5	1.8	1.9
Qatar	765	6.5	36.7	46.8	43.1	6.5	9.2	0.9	5.7	7.2
Russian Federation	685	21.5	37.1	25.7	58.6	21.5	13.9	1.7	20.0	23.3
Saudi Arabia	543	1.9	33.9	56.2	35.8	1.9	7.6	0.4	1.3	2.6
Singapore	873	40.4	29.9	27.5	70.4	40.4	2.0	0.1	41.1	39.7
Slovenia	605	15.2	51.5	27.4	66.7	15.2	5.5	0.3	15.4	15.0
South Africa	1787	1.0	37.9	57.5	38.9	1.0	3.0	0.6	1.2	0.8
Sweden	582	21.0	31.6	35.7	52.5	21.0	10.6	1.2	17.3	25.0
Thailand	929	6.7	30.1	49.5	36.8	6.7	13.3	0.4	7.9	5.3
Turkey	865	6.3	33.8	53.3	40.1	6.3	6.4	0.2	6.4	6.1
United Arab Emirates	2573	7.0	37.3	48.6	44.3	7.0	6.8	0.3	5.1	8.9
United States	1457	14.8	40.8	40.5	55.6	14.8	2.8	1.0	13.2	16.4
International Avg (n=39)	36066	13.7	35.1	41.7	48.8	13.7	8.6	0.8	13.3	14.2
Buenos Aires, Argentina	436	1.4	32.6	27.3	33.9	1.4	34.6	4.2	1.8	0.8
Ontario, Canada	640	18.1	29.6	41.5	47.7	18.1	7.3	3.5	14.5	22.2
Quebec, Canada	569	24.1	41.3	26.3	65.5	24.1	5.6	2.7	23.1	25.2
Norway (8)	688	18.2	31.8	35.5	50.0	18.2	14.3	0.3	18.7	17.7
Abu Dhabi, UAE	690	5.2	37.2	50.9	42.5	5.2	6.5	0.2	3.6	6.9
Dubai, UAE	870	12.3	39.1	43.1	51.4	12.3	5.5	0.0	8.8	16.0
Florida, US	291	11.0	44.4	39.8	55.4	11.0	2.9	1.9	9.1	12.9

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.

M14_10 (M062192): Geometry / Applying Type: CR 1 Point
Label: Distance from base of ladder to base of building

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	14.3	82.2	14.3	3.0	0.5	13.1	15.7
Bahrain	697	11.6	81.7	11.6	5.6	1.1	12.4	10.8
Botswana	848	1.2	94.1	1.2	2.8	1.9	1.3	1.1
Canada	1249	16.5	73.0	16.5	7.1	3.3	17.5	15.6
Chile	685	10.0	77.4	10.0	11.7	0.9	9.7	10.3
Chinese Taipei	820	65.2	31.4	65.2	3.3	0.0	66.5	64.0
Egypt	1113	8.4	83.3	8.4	7.6	0.7	9.0	7.8
England	676	13.3	82.0	13.3	4.1	0.7	15.6	10.9
Georgia	575	13.1	79.6	13.1	5.8	1.4	10.1	16.7
Hong Kong SAR	593	58.8	39.0	58.8	2.2	0.0	60.4	57.3
Hungary	682	23.2	73.1	23.2	3.6	0.1	22.1	24.1
Iran, Islamic Rep. of	880	21.2	71.4	21.2	5.5	1.9	25.0	17.9
Ireland	680	11.1	85.0	11.1	3.1	0.7	7.4	14.7
Israel	788	20.9	69.1	20.9	7.7	2.3	19.6	22.3
Italy	649	37.2	52.6	37.2	9.4	0.8	36.4	38.1
Japan	670	12.1	84.5	12.1	3.0	0.4	11.4	12.8
Jordan	1133	6.6	87.4	6.6	5.2	0.9	8.3	4.9
Kazakhstan	704	46.8	50.2	46.8	2.5	0.5	47.1	46.5
Korea, Rep. of	763	20.8	76.6	20.8	2.6	0.0	19.3	22.2
Kuwait	644	5.9	85.0	5.9	7.0	2.1	3.7	8.1
Lebanon	542	6.3	78.3	6.3	12.7	2.7	6.7	5.8
Lithuania	621	24.1	71.9	24.1	3.9	0.1	25.1	23.3
Malaysia	1383	18.9	71.8	18.9	6.6	2.7	19.1	18.6
Malta	541	15.5	78.9	15.5	5.4	0.2	12.8	18.2
Morocco	1897	2.8	88.4	2.8	7.2	1.6	2.7	2.9
New Zealand	1152	8.8	87.3	8.8	3.1	0.8	8.0	9.6
Norway	669	12.7	81.3	12.7	5.0	1.0	12.4	13.1
Oman	1285	5.5	90.3	5.5	3.6	0.7	3.7	7.2
Qatar	765	6.6	88.4	6.6	4.0	1.0	7.3	6.0
Russian Federation	685	35.8	57.5	35.8	4.7	2.0	33.6	38.2
Saudi Arabia	543	4.1	89.5	4.1	6.0	0.4	1.3	7.1
Singapore	873	71.9	27.0	71.9	1.1	0.1	74.0	69.8
Slovenia	605	9.0	88.0	9.0	2.6	0.4	9.1	8.7
South Africa	1787	6.3	90.6	6.3	2.3	0.8	7.4	5.1
Sweden	581	5.7	87.4	5.7	5.3	1.6	7.4	3.9
Thailand	929	20.3	73.4	20.3	5.6	0.7	19.6	21.0
Turkey	865	34.3	62.3	34.3	3.1	0.3	36.8	32.0
United Arab Emirates	2572	18.0	77.1	18.0	4.3	0.5	18.0	18.1
United States	1457	30.9	66.4	30.9	1.1	1.6	29.5	32.5
International Avg (n=39)	36055	19.4	74.7	19.4	4.9	1.0	19.2	19.6
Buenos Aires, Argentina	436	3.8	64.9	3.8	26.8	4.5	4.5	2.8
Ontario, Canada	640	22.2	69.0	22.2	4.9	3.8	22.4	22.0
Quebec, Canada	569	5.4	81.3	5.4	10.3	2.9	6.3	4.5
Norway (8)	688	5.4	88.4	5.4	5.8	0.4	5.0	5.8
Abu Dhabi, UAE	690	10.7	84.6	10.7	4.1	0.6	12.6	8.8
Dubai, UAE	870	32.4	64.4	32.4	3.2	0.0	28.7	36.3
Florida, US	291	16.0	77.8	16.0	4.3	1.9	15.4	16.6

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.

M14_11 (M062072): Data and Chance / Applying Type: CR 1 Point
Label: Graph for Charles' walk or bike to Olympic park

COUNTRY	N	10 %	79 %	V1 %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	62.0	36.4	62.0	1.1	0.5	62.9	61.0
Bahrain	697	30.7	65.9	30.7	2.4	1.1	32.8	28.7
Botswana	848	17.4	78.2	17.4	1.9	2.5	18.2	16.6
Canada	1249	68.5	24.0	68.5	3.4	4.1	67.8	69.3
Chile	685	31.9	61.9	31.9	5.3	0.9	29.6	34.2
Chinese Taipei	820	49.8	50.2	49.8	0.0	0.0	52.2	47.6
Egypt	1113	15.0	80.7	15.0	3.6	0.7	15.7	14.2
England	676	70.8	27.4	70.8	1.1	0.7	70.3	71.4
Georgia	575	30.5	65.5	30.5	2.2	1.8	29.6	31.6
Hong Kong SAR	593	66.1	33.9	66.1	0.1	0.0	65.6	66.4
Hungary	682	60.6	38.7	60.6	0.7	0.1	59.4	61.6
Iran, Islamic Rep. of	880	31.1	63.3	31.1	3.6	2.0	32.0	30.3
Ireland	680	64.7	33.7	64.7	0.4	1.2	69.4	60.3
Israel	788	60.6	35.7	60.6	1.4	2.3	58.3	62.9
Italy	649	54.5	42.4	54.5	2.2	0.9	51.4	57.9
Japan	670	71.4	27.6	71.4	0.6	0.4	75.0	67.5
Jordan	1133	16.2	79.8	16.2	2.9	1.1	17.6	14.7
Kazakhstan	704	73.5	23.4	73.5	2.6	0.5	74.2	72.8
Korea, Rep. of	763	70.0	29.3	70.0	0.7	0.0	73.4	67.1
Kuwait	651	16.2	79.8	16.2	1.7	2.3	18.0	14.5
Lebanon	543	29.3	61.7	29.3	6.2	2.8	30.9	27.4
Lithuania	621	58.2	40.8	58.2	0.9	0.1	62.8	54.0
Malaysia	1383	31.5	61.8	31.5	3.2	3.5	33.3	29.5
Malta	541	50.3	48.8	50.3	0.6	0.4	51.7	48.8
Morocco	1897	20.5	73.3	20.5	4.4	1.8	20.3	20.7
New Zealand	1152	60.8	35.7	60.8	2.7	0.8	62.1	59.3
Norway	669	57.7	39.0	57.7	2.4	1.0	56.1	59.3
Oman	1284	21.9	75.2	21.9	2.2	0.7	24.6	19.3
Qatar	765	31.4	66.1	31.4	1.4	1.0	32.4	30.5
Russian Federation	685	52.9	41.9	52.9	2.9	2.3	54.1	51.7
Saudi Arabia	543	13.9	84.2	13.9	1.5	0.4	14.5	13.3
Singapore	873	74.6	25.1	74.6	0.3	0.1	76.4	72.7
Slovenia	605	60.6	38.1	60.6	0.8	0.4	60.3	61.0
South Africa	1787	17.9	80.1	17.9	1.2	0.8	20.5	15.2
Sweden	582	55.6	39.5	55.6	2.8	2.1	56.7	54.4
Thailand	929	25.6	67.0	25.6	6.4	1.0	29.3	21.6
Turkey	865	39.5	58.2	39.5	2.0	0.3	44.0	35.6
United Arab Emirates	2573	37.7	59.7	37.7	1.7	0.8	37.4	38.1
United States	1457	62.8	34.4	62.8	1.1	1.7	61.9	63.6
International Avg (n=39)	36064	45.2	51.5	45.2	2.1	1.2	46.2	44.3
Buenos Aires, Argentina	436	25.7	54.6	25.7	14.1	5.6	23.0	28.9
Ontario, Canada	640	65.5	26.9	65.5	3.1	4.5	64.6	66.5
Quebec, Canada	569	75.3	16.7	75.3	3.8	4.2	74.9	75.7
Norway (8)	688	52.0	46.1	52.0	1.3	0.7	54.0	50.1
Abu Dhabi, UAE	690	34.1	64.0	34.1	1.3	0.6	35.8	32.4
Dubai, UAE	870	56.8	41.1	56.8	1.3	0.9	56.5	57.1
Florida, US	291	51.3	42.9	51.3	3.5	2.3	55.7	47.1

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.

M14_13 (M062120): Data and Chance / Knowing Type: MC Key: C
Label: Umut picks marbles without replacement

COUNTRY	N	DIFF %	A %	B %	C %	D %	OMITTED %	NOT REACHED %	GIRL PCT RIGHT	BOY PCT RIGHT
Australia	1454	59.8	5.8	10.6	59.8	18.6	3.7	1.4	56.8	63.1
Bahrain	697	51.3	8.5	8.5	51.3	29.4	0.4	1.9	50.0	52.5
Botswana	848	18.7	20.8	11.7	18.7	39.4	3.5	5.8	16.4	21.2
Canada	1248	58.0	4.9	5.3	58.0	23.4	2.2	6.1	55.5	60.7
Chile	685	36.5	18.9	17.0	36.5	25.1	1.1	1.4	37.6	35.4
Chinese Taipei	820	72.3	4.5	8.8	72.3	14.1	0.4	0.0	71.4	73.1
Egypt	1113	28.3	18.6	19.1	28.3	30.8	1.7	1.4	28.5	28.0
England	676	59.6	6.3	9.9	59.6	22.1	0.8	1.2	60.7	58.4
Georgia	575	31.1	24.8	19.2	31.1	18.5	2.9	3.4	29.3	33.4
Hong Kong SAR	593	73.3	2.9	9.1	73.3	14.3	0.5	0.0	72.4	74.1
Hungary	682	44.2	14.3	15.0	44.2	25.4	0.8	0.2	38.3	49.8
Iran, Islamic Rep. of	880	34.6	19.9	13.3	34.6	25.7	1.5	5.1	33.9	35.1
Ireland	680	68.0	5.7	5.9	68.0	17.3	1.6	1.4	69.0	67.2
Israel	788	50.3	9.8	10.9	50.3	22.8	1.9	4.3	47.5	53.1
Italy	649	45.9	13.2	13.6	45.9	24.7	1.0	1.6	43.8	48.2
Japan	670	72.1	3.4	6.2	72.1	16.9	0.6	0.7	71.9	72.4
Jordan	1133	20.3	26.7	19.4	20.3	29.5	1.6	2.5	19.0	21.6
Kazakhstan	704	38.0	20.4	15.9	38.0	22.7	1.4	1.6	40.2	35.9
Korea, Rep. of	763	76.7	0.9	2.8	76.7	19.2	0.2	0.3	75.5	77.6
Kuwait	652	25.7	24.2	22.9	25.7	20.4	3.3	3.6	23.6	27.9
Lebanon	543	18.4	24.0	19.9	18.4	20.2	12.9	4.6	18.2	18.7
Lithuania	621	49.7	12.7	14.0	49.7	22.0	0.8	0.8	51.2	48.4
Malaysia	1383	44.6	11.9	15.0	44.6	20.1	2.7	5.7	45.8	43.3
Malta	541	46.4	12.2	12.6	46.4	26.5	1.3	1.1	43.0	49.7
Morocco	1897	18.3	26.5	23.6	18.3	25.4	2.8	3.4	18.8	17.9
New Zealand	1152	52.9	9.7	12.2	52.9	21.8	2.2	1.2	53.7	51.9
Norway	669	51.7	6.6	11.5	51.7	20.3	6.3	3.6	49.9	53.5
Oman	1285	29.2	18.3	10.5	29.2	38.2	2.2	1.6	25.8	32.5
Qatar	765	35.2	21.6	15.6	35.2	23.1	2.6	1.9	31.2	39.1
Russian Federation	684	44.3	15.4	12.4	44.3	20.5	3.6	3.9	40.8	48.1
Saudi Arabia	544	29.4	16.4	18.2	29.4	34.5	1.2	0.4	23.4	35.9
Singapore	873	75.2	3.7	4.6	75.2	15.5	0.7	0.4	73.7	76.7
Slovenia	605	42.1	12.5	10.4	42.1	32.5	1.8	0.8	42.8	41.2
South Africa	1787	19.2	22.9	24.1	19.2	30.7	1.4	1.8	17.0	21.4
Sweden	582	50.5	10.4	11.7	50.5	20.4	2.5	4.5	46.3	55.0
Thailand	929	34.2	17.8	26.0	34.2	19.3	1.7	1.2	29.8	38.9
Turkey	865	55.4	9.7	7.6	55.4	25.7	0.8	0.8	55.8	55.2
United Arab Emirates	2573	41.3	13.6	13.3	41.3	28.4	2.1	1.3	40.7	41.9
United States	1457	56.5	5.7	7.4	56.5	25.2	1.8	3.4	54.5	58.7
International Avg (n=39)	36065	45.1	13.5	13.2	45.1	23.9	2.1	2.2	43.7	46.6
Buenos Aires, Argentina	421	23.8	17.8	20.1	23.8	18.0	10.7	9.6	23.3	24.1
Ontario, Canada	640	56.4	4.7	5.3	56.4	24.6	1.9	7.0	53.6	59.6
Quebec, Canada	568	63.5	4.8	4.7	63.5	20.6	1.7	4.7	61.1	66.2
Norway (8)	688	48.0	7.3	13.3	48.0	26.3	2.9	2.2	46.3	49.7
Abu Dhabi, UAE	690	39.2	14.4	12.0	39.2	30.5	2.6	1.3	37.7	40.7
Dubai, UAE	870	52.1	10.0	10.0	52.1	25.2	1.5	1.1	52.0	52.2
Florida, US	291	45.6	9.4	11.6	45.6	26.8	1.8	4.9	44.7	46.5

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