

Item: A06 KEY: B
 Shown three objects floating in water, which weighs the most? (Physical Science)
 Difficulty: 374

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6496	1.6	88.5	4.8	4.3	0.9	88.5	0.0	0.0	0.8	88.0	88.9
Austria	2644	0.4	89.9	5.5	3.4	0.7	89.9	0.1	0.0	0.5	88.5	91.3
Canada	8398	1.4	90.5	4.7	2.4	1.0	90.5	0.1	0.2	0.6	90.0	90.9
Cyprus	3373	2.0	84.5	7.7	4.9	1.0	84.5	0.1	0.2	0.7	82.4	86.4
Czech Republic	3266	0.5	89.3	5.3	4.0	0.9	89.3	0.2	0.1	0.6	87.6	91.2
England	3089	0.5	88.9	5.7	4.0	0.9	88.9	0.0	0.3	0.6	88.5	89.2
Greece	3050	0.7	86.2	6.4	4.9	1.8	86.2	0.3	0.2	1.3	85.3	87.2
Hong Kong	4408	1.4	84.7	9.8	3.8	0.5	84.7	0.1	0.0	0.4	83.1	86.1
Hungary	3005	0.6	88.0	5.1	4.3	1.9	88.0	0.0	0.6	1.3	86.1	89.9
Iceland	1798	2.1	82.4	7.6	4.9	3.0	82.4	0.2	1.1	1.7	83.3	81.4
Iran, Islamic Rep.	3384	4.4	76.0	8.4	7.3	3.9	76.0	0.8	0.1	2.9	75.8	76.1
Ireland	2873	0.7	86.5	7.1	5.1	0.7	86.5	0.3	0.2	0.2	85.1	87.9
Israel	2344	1.7	86.0	6.4	4.6	1.2	86.0	0.0	0.6	0.6	85.7	87.5
Japan	4304	0.5	95.6	1.9	1.9	0.1	95.6	0.0	0.0	0.1	95.5	95.8
Korea	2812	0.4	94.5	3.8	1.1	0.1	94.5	0.0	0.0	0.1	94.0	95.1
Kuwait	4311	5.5	57.2	26.4	7.8	3.2	57.2	0.0	0.8	2.4	58.1	56.3
Latvia (LSS)	2216	1.9	82.3	6.3	8.2	1.4	82.3	0.0	0.1	1.2	82.9	81.7
Netherlands	2523	0.6	91.8	4.5	3.0	0.1	91.8	0.1	0.0	0.0	90.5	92.8
New Zealand	2421	2.2	87.1	6.6	2.4	1.8	87.1	0.0	0.5	1.2	89.8	84.4
Norway	2254	1.1	90.4	4.0	2.7	1.8	90.4	0.2	0.7	1.0	89.4	90.6
Portugal	2845	1.5	79.8	7.6	7.7	3.4	79.8	0.0	1.0	2.4	76.5	83.0
Scotland	3292	0.8	88.7	7.0	2.7	0.8	88.7	0.1	0.2	0.5	89.5	88.1
Singapore	7138	1.9	88.1	7.5	2.3	0.1	88.1	0.0	0.0	0.1	88.6	87.7
Slovenia	2566	1.4	88.5	4.8	4.8	0.5	88.5	0.1	0.1	0.3	87.8	89.4
Thailand	2991	2.0	88.8	3.8	4.8	0.6	88.8	0.0	0.0	0.6	88.5	89.0
United States	7278	1.0	89.3	6.1	2.0	1.7	89.3	0.0	0.0	1.6	89.0	89.5
INTERNATIONAL AVG	.	1.5	86.3	6.7	4.2	1.3	86.3	0.1	0.3	0.9	85.8	86.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A07 KEY: A
 Which plant is not usually grown for food? (Environment and other content)
 Difficulty: 385

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6496	89.2	4.0	2.2	3.5	1.1	89.2	0.0	0.1	1.0	90.3	88.1
Austria	2644	94.1	2.6	1.0	1.6	0.8	94.1	0.3	0.0	0.5	94.8	93.3
Canada	8398	85.6	5.2	2.7	5.5	1.0	85.6	0.0	0.3	0.7	87.5	83.8
Cyprus	3371	83.6	4.6	3.6	6.6	1.6	83.6	0.4	0.3	0.9	86.7	80.5
Czech Republic	3266	93.3	2.2	1.7	1.7	1.2	93.3	0.6	0.2	0.4	93.9	92.6
England	3089	88.2	3.6	2.8	4.2	1.2	88.2	0.0	0.3	0.9	90.5	86.0
Greece	3050	85.2	5.2	3.3	3.6	2.7	85.2	0.6	0.3	1.7	86.1	84.3
Hong Kong	4408	80.7	9.7	3.8	4.8	0.9	80.7	0.4	0.1	0.4	82.7	79.2
Hungary	3006	93.6	1.4	1.1	1.2	2.8	93.6	0.0	0.9	1.9	94.8	92.4
Iceland	1798	85.6	2.9	1.5	6.4	3.6	85.6	0.4	1.6	1.5	84.4	86.9
Iran, Islamic Rep.	3385	79.1	5.9	4.3	7.3	3.4	79.1	0.9	0.4	2.1	80.8	77.5
Ireland	2873	89.2	3.8	1.7	4.8	0.5	89.2	0.0	0.3	0.3	90.8	87.6
Israel	2344	82.2	4.7	4.2	5.8	3.1	82.2	1.3	0.6	1.1	84.1	81.1
Japan	4304	84.2	5.1	3.1	7.4	0.2	84.2	0.0	0.1	0.1	86.1	82.4
Korea	2812	94.8	1.4	1.6	2.0	0.2	94.8	0.0	0.0	0.1	94.9	94.6
Kuwait	4302	64.0	9.5	9.9	12.6	4.0	64.0	0.0	1.1	2.9	69.8	58.5
Latvia (LSS)	2216	93.2	2.7	1.1	1.5	1.5	93.2	0.0	0.1	1.4	94.3	92.1
Netherlands	2523	90.2	5.2	1.3	3.0	0.3	90.2	0.3	0.0	0.0	90.1	90.6
New Zealand	2421	83.3	6.1	2.5	6.4	1.6	83.3	0.0	0.6	1.1	86.5	80.1
Norway	2254	87.1	3.4	2.6	4.3	2.7	87.1	0.7	0.8	1.2	89.8	84.5
Portugal	2846	83.5	5.3	2.5	4.9	3.9	83.5	0.0	1.4	2.5	85.2	81.8
Scotland	3292	87.8	4.3	2.5	4.6	0.8	87.8	0.0	0.2	0.6	89.2	86.4
Singapore	7138	86.0	3.1	3.3	7.5	0.2	86.0	0.0	0.0	0.1	87.7	84.4
Slovenia	2566	82.2	7.8	2.7	5.0	2.2	82.2	1.0	0.1	1.0	83.6	80.8
Thailand	2991	91.6	2.2	2.5	3.0	0.7	91.6	0.0	0.0	0.7	93.5	89.7
United States	7278	89.5	3.5	1.7	3.6	1.8	89.5	0.0	0.1	1.7	90.4	88.6
INTERNATIONAL AVG	.	86.4	4.4	2.7	4.7	1.7	86.4	0.3	0.4	1.0	88.0	84.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A08 KEY: A
 What covers most of the Earth's surface? (Earth Science)
 Difficulty: 514

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6495	74.8	3.8	5.3	15.5	0.7	74.8	0.0	0.2	0.5	69.6	79.9
Austria	2642	69.8	2.5	8.8	17.9	1.0	69.8	0.1	0.0	0.8	63.4	75.6
Canada	8398	76.3	3.1	3.8	16.0	0.7	76.3	0.0	0.4	0.4	73.9	79.2
Cyprus	3370	47.6	8.0	13.7	28.4	2.3	47.6	0.2	0.3	1.7	44.7	50.6
Czech Republic	3267	58.7	2.0	21.9	16.4	1.0	58.7	0.3	0.3	0.4	54.1	63.8
England	3089	75.7	3.6	4.1	15.7	0.8	75.7	0.0	0.4	0.5	71.8	79.7
Greece	3050	61.2	3.4	5.3	27.4	2.6	61.2	0.2	0.5	1.9	54.9	67.7
Hong Kong	4395	61.6	31.7	1.4	4.8	0.3	61.6	0.1	0.1	0.1	52.3	69.6
Hungary	3006	70.6	2.3	4.3	20.4	2.4	70.6	0.0	1.1	1.4	64.1	77.1
Iceland	1798	65.9	3.5	12.8	14.8	3.0	65.9	0.3	1.8	1.0	62.9	69.0
Iran, Islamic Rep.	3385	33.3	7.1	7.5	48.7	3.3	33.3	0.2	0.4	2.7	27.4	38.9
Ireland	2873	77.3	3.2	5.0	14.1	0.4	77.3	0.0	0.3	0.1	76.1	78.6
Israel	2349	62.4	5.9	6.4	23.8	1.5	62.4	0.2	0.7	0.6	58.6	66.3
Japan	4304	63.6	18.6	5.1	12.2	0.4	63.6	0.0	0.1	0.3	58.3	68.9
Korea	2812	77.3	5.8	6.5	10.1	0.3	77.3	0.0	0.0	0.3	72.4	82.1
Kuwait	4302	40.7	20.0	17.7	17.6	4.1	40.7	0.0	1.1	3.0	38.4	42.8
Latvia (LSS)	2215	65.4	1.7	7.9	23.3	1.7	65.4	0.0	0.3	1.4	61.2	69.4
Netherlands	2523	52.6	2.4	22.9	21.7	0.5	52.6	0.5	0.0	0.0	44.5	61.6
New Zealand	2421	72.2	3.1	9.4	13.9	1.5	72.2	0.0	0.6	0.9	68.5	76.0
Norway	2254	74.1	6.0	6.8	10.4	2.7	74.1	0.2	1.0	1.5	68.9	78.9
Portugal	2845	60.2	5.9	13.5	15.4	5.0	60.2	0.0	1.6	3.4	56.7	63.5
Scotland	3292	74.5	4.1	5.1	15.7	0.7	74.5	0.1	0.2	0.4	70.9	78.0
Singapore	7138	79.7	7.1	2.7	10.3	0.1	79.7	0.0	0.0	0.1	78.4	80.9
Slovenia	2566	82.5	2.2	3.6	11.1	0.6	82.5	0.1	0.1	0.4	80.8	84.3
Thailand	2991	34.7	16.1	9.2	39.4	0.5	34.7	0.0	0.0	0.5	32.6	36.7
United States	7278	82.5	3.9	3.0	9.0	1.6	82.5	0.0	0.1	1.5	81.0	84.1
INTERNATIONAL AVG	.	65.2	6.8	8.2	18.2	1.5	65.2	0.1	0.4	1.0	61.0	69.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A09 KEY: D
 What happens if the body takes in more food than it uses? (Life Science)
 Difficulty: 492

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6495	5.8	3.6	14.4	75.2	1.1	75.2	0.0	0.2	0.9	76.2	74.2
Austria	2642	5.0	2.4	7.3	83.4	1.9	83.4	0.1	0.1	1.7	84.3	82.2
Canada	8398	8.6	5.5	14.5	70.1	1.4	70.1	0.1	0.4	0.8	67.9	71.6
Cyprus	3370	9.1	27.1	13.3	47.6	2.9	47.6	0.3	0.3	2.3	47.7	47.7
Czech Republic	3267	4.7	7.4	5.8	80.1	2.1	80.1	0.3	0.3	1.5	80.3	79.9
England	3089	6.5	3.9	11.9	76.2	1.4	76.2	0.0	0.4	1.1	76.1	76.3
Greece	3050	7.8	3.8	16.5	66.9	5.0	66.9	0.2	0.6	4.2	66.7	67.2
Hong Kong	4395	8.4	15.6	14.2	60.9	0.9	60.9	0.2	0.1	0.6	63.4	59.0
Hungary	3006	9.6	3.0	8.0	75.3	4.0	75.3	0.0	1.1	2.9	76.1	74.8
Iceland	1798	10.3	6.5	14.4	65.1	3.7	65.1	0.0	1.9	1.7	64.3	66.0
Iran, Islamic Rep.	3385	12.2	8.6	20.1	55.0	4.0	55.0	0.5	0.5	3.1	54.3	55.7
Ireland	2873	6.0	3.5	11.6	77.8	1.1	77.8	0.0	0.3	0.7	78.7	76.8
Israel	2349	5.6	4.1	11.0	77.0	2.3	77.0	0.5	0.7	1.2	79.4	75.3
Japan	4304	5.8	4.9	10.6	78.2	0.5	78.2	0.0	0.1	0.3	78.6	77.8
Korea	2812	11.8	4.3	13.4	70.2	0.3	70.2	0.0	0.0	0.2	72.7	67.8
Kuwait	4299	10.4	10.8	29.7	42.9	6.2	42.9	0.0	1.3	4.9	47.6	38.5
Latvia (LSS)	2215	11.1	8.7	10.4	67.0	2.8	67.0	0.0	0.4	2.4	69.6	64.5
Netherlands	2523	6.8	5.8	8.0	78.9	0.5	78.9	0.5	0.0	0.0	79.3	78.7
New Zealand	2421	8.0	4.7	16.4	68.9	2.1	68.9	0.0	0.7	1.4	68.1	69.8
Norway	2254	6.9	4.8	9.5	75.2	3.5	75.2	0.1	1.4	2.1	77.7	73.3
Portugal	2846	9.9	5.6	15.3	62.2	7.0	62.2	0.0	2.0	5.0	62.0	62.3
Scotland	3292	5.9	4.1	12.4	76.4	1.1	76.4	0.1	0.3	0.8	75.8	76.9
Singapore	7138	9.0	3.9	19.3	67.5	0.3	67.5	0.0	0.0	0.3	67.0	68.0
Slovenia	2566	7.5	6.3	11.6	72.7	1.9	72.7	0.3	0.1	1.5	75.3	70.1
Thailand	2991	11.7	3.1	14.5	70.0	0.6	70.0	0.0	0.0	0.6	72.6	67.5
United States	7278	6.0	3.0	17.5	71.5	2.0	71.5	0.0	0.1	1.9	71.6	71.3
INTERNATIONAL AVG	.	8.1	6.3	13.5	69.7	2.3	69.7	0.1	0.5	1.7	70.5	69.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A10 KEY: D
 The fossils of dinosaurs can be found where? (Earth Science)
 Difficulty: 445

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6495	5.4	0.9	2.1	90.4	1.3	90.4	0.0	0.2	1.0	90.3	90.5
Austria	2642	12.8	1.2	2.3	81.2	2.5	81.2	1.1	0.1	1.3	80.6	81.7
Canada	8398	7.7	1.2	1.4	87.6	2.2	87.6	0.5	0.4	1.3	87.9	87.0
Cyprus	3370	14.7	9.9	5.5	67.0	2.9	67.0	0.3	0.5	2.2	61.8	72.1
Czech Republic	3267	11.2	1.0	2.0	83.9	1.8	83.9	0.5	0.4	0.9	80.6	87.7
England	3089	8.1	1.2	2.8	85.5	2.4	85.5	0.0	0.4	2.0	85.8	85.2
Greece	3049	14.0	9.9	2.6	69.9	3.5	69.9	0.6	0.7	2.2	67.0	73.0
Hong Kong	4395	9.5	1.4	2.9	85.5	0.7	85.5	0.2	0.1	0.4	83.4	87.4
Hungary	3006	12.6	1.5	15.4	65.3	5.2	65.3	0.0	1.3	3.8	62.0	68.6
Iceland	1795	12.5	2.1	4.9	76.7	3.9	76.7	0.1	2.2	1.6	70.9	82.7
Iran, Islamic Rep.	3384	37.3	6.7	17.7	34.5	3.8	34.5	0.4	0.6	2.9	31.2	37.6
Ireland	2873	12.7	1.5	3.3	81.1	1.3	81.1	0.2	0.3	0.7	80.1	82.2
Israel	2349	20.4	4.1	5.3	67.2	3.0	67.2	0.5	0.8	1.7	65.3	69.9
Japan	4304	11.0	0.7	1.8	86.0	0.4	86.0	0.0	0.1	0.3	82.7	89.4
Korea	2812	5.0	0.8	0.7	93.4	0.2	93.4	0.0	0.0	0.1	92.9	93.8
Kuwait	4296	15.3	21.1	11.5	45.3	6.9	45.3	0.0	2.0	4.9	41.1	49.2
Latvia (LSS)	2210	23.6	1.3	1.5	71.1	2.4	71.1	0.0	0.5	1.9	67.8	74.3
Netherlands	2523	16.1	0.8	1.7	80.0	1.4	80.0	1.4	0.0	0.0	78.7	81.3
New Zealand	2421	9.5	1.4	3.5	82.7	3.0	82.7	0.0	0.8	2.1	81.7	83.8
Norway	2254	28.2	6.2	7.2	53.8	4.6	53.8	0.2	1.6	2.8	50.7	56.9
Portugal	2846	14.2	5.1	5.3	68.4	7.1	68.4	0.0	2.6	4.5	65.7	71.0
Scotland	3292	8.7	1.7	3.5	84.5	1.6	84.5	0.3	0.4	0.9	84.8	84.1
Singapore	7132	7.7	2.1	3.3	86.5	0.4	86.5	0.0	0.0	0.4	85.3	87.6
Slovenia	2566	14.6	1.0	1.8	81.0	1.5	81.0	0.7	0.1	0.7	79.6	82.4
Thailand	2991	22.9	7.5	8.4	60.4	0.8	60.4	0.0	0.0	0.8	60.3	60.5
United States	7278	5.9	1.0	1.5	89.2	2.5	89.2	0.1	0.1	2.3	89.4	88.9
INTERNATIONAL AVG	.	13.9	3.6	4.6	75.3	2.6	75.3	0.3	0.6	1.7	73.4	77.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B01 KEY: C
 A strong magnet will separate which of the following mixtures? (Physical Science)
 Difficulty: 466

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3234	7.3	6.0	75.4	9.7	1.5	75.4	0.0	0.1	1.4	72.7	77.9
Austria	1317	4.1	2.7	84.6	5.9	2.6	84.6	0.0	0.0	2.6	84.0	84.8
Canada	4137	7.0	7.6	67.9	16.3	1.2	67.9	0.0	0.1	1.1	64.4	70.5
Cyprus	1739	9.8	5.0	76.0	5.0	4.2	76.0	0.1	0.1	4.1	72.6	79.4
Czech Republic	1630	6.1	3.4	76.4	10.3	3.7	76.4	0.3	0.2	3.3	73.2	80.1
England	1538	6.2	4.2	80.5	7.2	1.9	80.5	0.0	0.3	1.6	77.2	83.9
Greece	1518	10.2	5.4	70.2	8.5	5.7	70.2	0.3	0.3	5.1	63.7	77.0
Hong Kong	2199	11.9	6.1	68.4	11.8	1.8	68.4	0.3	0.0	1.5	64.9	71.6
Hungary	1498	4.9	6.5	75.5	7.8	5.3	75.5	0.0	0.6	4.7	72.8	78.0
Iceland	909	11.2	3.8	73.2	8.4	3.4	73.2	0.0	0.7	2.7	67.8	78.7
Iran, Islamic Rep.	1688	4.1	3.4	74.1	12.8	5.6	74.1	0.6	0.2	4.8	72.4	75.7
Ireland	1422	8.3	4.5	77.7	8.6	0.9	77.7	0.2	0.1	0.6	75.5	80.0
Israel	1151	5.6	6.5	76.8	7.7	3.4	76.8	0.2	0.1	3.1	75.9	78.3
Japan	2146	1.6	2.4	84.5	9.8	1.7	84.5	1.3	0.0	0.4	84.4	84.6
Korea	1396	2.4	2.4	89.9	4.9	0.3	89.9	0.0	0.1	0.3	90.8	89.1
Kuwait	2142	10.2	9.9	60.0	13.5	6.4	60.0	0.0	0.6	5.8	64.1	56.2
Latvia (LSS)	1102	4.1	3.5	74.7	12.0	5.7	74.7	0.0	0.3	5.5	75.2	74.2
Netherlands	1266	6.2	3.1	82.6	7.7	0.4	82.6	0.4	0.0	0.1	78.6	86.5
New Zealand	1217	8.9	5.5	68.9	14.9	1.8	68.9	0.0	0.0	1.8	69.4	68.4
Norway	1135	12.0	5.6	61.6	15.6	5.1	61.6	0.4	0.3	4.4	57.4	64.9
Portugal	1411	8.6	6.4	72.3	7.3	5.4	72.3	0.0	0.9	4.5	68.1	76.0
Scotland	1652	9.2	5.5	74.5	8.4	2.4	74.5	0.4	0.2	1.8	72.6	76.4
Singapore	3543	5.2	7.2	77.0	10.0	0.6	77.0	0.0	0.0	0.6	76.6	77.2
Slovenia	1286	7.0	6.0	73.4	10.7	2.8	73.4	0.4	0.0	2.4	69.8	76.8
Thailand	1454	6.8	9.2	66.3	15.2	2.5	66.3	0.0	0.0	2.5	66.7	65.8
United States	3667	5.7	6.6	76.7	9.9	1.2	76.7	0.0	0.0	1.2	72.8	80.7
INTERNATIONAL AVG	.	7.1	5.3	74.6	10.0	3.0	74.6	0.2	0.2	2.6	72.4	76.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B02 KEY: A
 Shown diagram, where is the saltiest water found? (Earth Science)
 Difficulty: 458

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3234	75.0	9.3	10.4	4.3	1.0	75.0	0.0	0.2	0.9	73.1	76.9
Austria	1316	87.6	7.4	2.4	1.4	1.2	87.6	0.1	0.0	1.1	87.8	86.8
Canada	4137	79.1	7.8	9.4	3.1	0.6	79.1	0.0	0.1	0.5	80.0	79.0
Cyprus	1739	87.7	5.4	3.3	2.3	1.3	87.7	0.2	0.1	1.0	86.9	88.6
Czech Republic	1630	86.9	7.8	2.5	1.9	1.0	86.9	0.1	0.3	0.6	86.0	87.9
England	1538	74.2	9.2	10.9	4.4	1.3	74.2	0.0	0.5	0.9	74.5	73.8
Greece	1518	64.0	13.0	8.6	9.2	5.2	64.0	0.3	0.3	4.6	61.0	67.1
Hong Kong	2199	72.4	10.0	12.3	4.6	0.7	72.4	0.2	0.0	0.5	67.7	76.5
Hungary	1498	85.8	6.1	3.6	1.9	2.7	85.8	0.0	0.9	1.7	83.1	88.8
Iceland	909	81.8	7.0	7.3	2.2	1.7	81.8	0.0	0.8	0.9	77.9	85.7
Iran, Islamic Rep.	1688	36.4	18.0	28.2	11.9	5.4	36.4	0.3	0.4	4.7	32.9	39.7
Ireland	1422	72.7	10.1	10.8	5.5	0.9	72.7	0.3	0.2	0.4	72.0	73.5
Israel	1150	59.3	15.3	12.6	10.2	2.6	59.3	0.2	0.5	1.9	55.1	63.1
Japan	2146	93.2	2.1	3.4	1.1	0.1	93.2	0.0	0.1	0.0	93.2	93.2
Korea	1396	92.6	2.6	3.7	1.0	0.1	92.6	0.0	0.1	0.1	91.5	93.7
Kuwait	2148	58.7	12.0	17.3	7.6	4.5	58.7	0.0	0.7	3.8	63.0	54.6
Latvia (LSS)	1102	76.6	10.4	8.5	2.7	1.9	76.6	0.0	0.5	1.4	78.2	75.1
Netherlands	1266	71.9	12.3	11.5	4.1	0.2	71.9	0.2	0.0	0.0	67.2	76.8
New Zealand	1217	71.8	8.9	12.3	5.6	1.4	71.8	0.0	0.2	1.2	73.5	70.1
Norway	1135	80.0	9.3	6.4	2.7	1.7	80.0	0.1	0.5	1.1	76.8	82.7
Portugal	1411	74.6	7.7	9.3	4.5	3.9	74.6	0.0	1.2	2.7	73.2	75.8
Scotland	1652	74.7	9.3	10.1	4.1	1.8	74.7	0.2	0.2	1.4	74.5	74.6
Singapore	3543	53.0	15.5	23.4	7.6	0.4	53.0	0.0	0.0	0.4	50.1	55.5
Slovenia	1286	87.4	6.4	3.3	2.0	0.9	87.4	0.2	0.0	0.8	85.8	88.9
Thailand	1454	68.5	14.8	10.8	5.2	0.7	68.5	0.0	0.0	0.7	65.9	71.2
United States	3667	78.7	8.1	9.3	3.0	1.0	78.7	0.0	0.0	1.0	79.1	78.3
INTERNATIONAL AVG	.	74.8	9.5	9.7	4.4	1.7	74.8	0.1	0.3	1.3	73.5	76.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B03 KEY: D
 If you throw each one of these things away, which will decay fastest? (Life Science)
 Difficulty: 480

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3234	10.5	3.5	4.8	80.4	0.8	80.4	0.0	0.2	0.6	81.9	79.0
Austria	1317	1.8	4.9	1.7	90.4	1.2	90.4	0.1	0.1	1.0	90.7	89.6
Canada	4137	10.1	5.3	4.8	78.8	1.1	78.8	0.1	0.1	0.8	80.8	76.9
Cyprus	1739	22.7	18.0	15.4	42.0	2.0	42.0	0.1	0.1	1.8	41.6	42.6
Czech Republic	1630	9.0	2.6	2.8	84.4	1.1	84.4	0.3	0.4	0.4	82.9	86.1
England	1538	11.0	3.5	4.0	80.2	1.2	80.2	0.0	0.5	0.8	79.8	80.7
Greece	1519	16.7	2.2	3.6	75.5	2.0	75.5	0.4	0.3	1.3	73.5	77.6
Hong Kong	2197	19.7	10.0	8.7	61.1	0.5	61.1	0.1	0.0	0.4	60.9	61.4
Hungary	1498	36.6	1.6	4.0	55.9	1.9	55.9	0.0	1.0	1.0	54.8	57.2
Iceland	.	.	.	.	.	.	.	.	.	.	.	.
Iran, Islamic Rep.	1688	24.4	7.1	10.2	55.3	3.1	55.3	0.3	0.5	2.4	56.8	53.9
Ireland	1422	18.8	7.0	6.7	66.9	0.7	66.9	0.1	0.2	0.4	67.7	66.0
Israel	1132	15.1	3.5	6.6	72.4	2.3	72.4	0.6	0.5	1.1	74.4	71.7
Japan	2146	0.6	3.1	1.2	94.6	0.4	94.6	0.0	0.1	0.3	94.0	95.2
Korea	1396	1.5	2.1	3.1	93.2	0.1	93.2	0.0	0.1	0.1	94.2	92.2
Kuwait	2142	16.3	28.0	19.0	29.3	7.4	29.3	0.0	0.9	6.5	29.7	29.0
Latvia (LSS)	1102	17.6	6.0	4.5	70.0	2.0	70.0	0.0	0.5	1.5	67.0	72.8
Netherlands	1266	10.1	2.5	2.4	84.4	0.6	84.4	0.4	0.0	0.2	86.1	82.5
New Zealand	1217	13.1	5.5	5.2	74.8	1.3	74.8	0.0	0.2	1.2	79.6	70.0
Norway	1135	2.7	1.9	2.3	91.9	1.2	91.9	0.0	0.6	0.5	94.3	89.9
Portugal	1411	4.6	4.9	7.0	80.2	3.3	80.2	0.0	1.5	1.8	83.6	77.3
Scotland	1652	19.5	6.4	6.1	67.1	0.9	67.1	0.1	0.2	0.6	69.6	64.4
Singapore	3543	25.8	13.3	6.7	53.9	0.4	53.9	0.0	0.0	0.4	55.7	52.2
Slovenia	1286	38.7	2.4	2.2	56.0	0.7	56.0	0.2	0.1	0.5	55.4	56.1
Thailand	1454	11.6	9.5	15.3	63.1	0.5	63.1	0.0	0.0	0.5	64.4	61.6
United States	3667	8.0	4.4	7.3	79.4	0.8	79.4	0.0	0.0	0.8	79.2	79.7
INTERNATIONAL AVG	.	14.7	6.4	6.2	71.2	1.5	71.2	0.1	0.3	1.1	72.0	70.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B04 KEY: A
 Where do humans interpret senses? (Life Science)
 Difficulty: 538

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3234	71.7	6.0	14.0	7.2	1.1	71.7	0.0	0.2	0.8	70.7	72.7
Austria	1317	68.5	2.6	15.5	10.8	2.6	68.5	0.1	0.1	2.4	69.2	67.0
Canada	4137	71.5	7.6	10.6	8.2	2.0	71.5	0.1	0.1	1.8	69.6	74.0
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	1630	55.5	3.1	37.6	2.6	1.2	55.5	0.2	0.4	0.6	51.8	59.7
England	1538	71.4	7.0	11.8	8.0	1.9	71.4	0.0	0.5	1.4	72.3	70.5
Greece	1519	37.0	1.9	48.3	8.9	4.0	37.0	0.2	0.3	3.4	37.3	36.6
Hong Kong	2197	79.8	2.2	14.7	2.9	0.4	79.8	0.0	0.0	0.3	74.2	84.5
Hungary	1498	65.7	4.2	14.9	11.4	3.7	65.7	0.0	1.1	2.7	66.7	65.5
Iceland	909	60.9	9.2	18.4	8.5	2.9	60.9	0.0	1.3	1.6	57.3	64.7
Iran, Islamic Rep.	1688	39.1	10.6	30.2	14.5	5.5	39.1	1.0	0.5	4.0	34.1	43.8
Ireland	1422	64.6	10.8	15.4	8.2	1.1	64.6	0.0	0.2	0.9	63.4	65.8
Israel	1132	38.4	3.2	55.0	1.3	2.0	38.4	0.3	0.7	1.1	37.7	39.6
Japan	2146	43.9	7.9	31.1	16.5	0.7	43.9	0.0	0.2	0.5	42.9	44.9
Korea	1396	39.7	0.7	54.6	4.9	0.1	39.7	0.0	0.1	0.1	35.1	44.2
Kuwait	2145	40.5	12.9	30.7	10.5	5.4	40.5	0.0	1.2	4.2	41.3	39.7
Latvia (LSS)	1102	54.5	2.2	25.5	14.6	3.1	54.5	0.0	0.5	2.6	51.8	57.1
Netherlands	1266	58.1	1.8	32.0	7.6	0.6	58.1	0.6	0.0	0.0	55.9	60.4
New Zealand	1217	68.7	7.4	12.4	10.1	1.6	68.7	0.0	0.2	1.4	73.2	64.2
Norway	1135	78.2	3.5	7.8	8.1	2.4	78.2	0.0	0.6	1.8	77.0	78.6
Portugal	1411	51.2	10.9	11.1	18.1	8.7	51.2	0.0	1.8	7.0	51.8	50.7
Scotland	1652	68.4	7.8	13.5	8.8	1.5	68.4	0.2	0.2	1.1	68.2	68.7
Singapore	3543	58.0	16.7	18.6	6.1	0.6	58.0	0.0	0.0	0.6	56.2	59.5
Slovenia	1285	29.5	0.6	65.2	3.5	1.2	29.5	0.4	0.1	0.7	24.5	34.3
Thailand	.	.	.	.	.	.	.	.	.	.	.	.
United States	3667	72.2	7.7	13.1	5.9	1.2	72.2	0.0	0.0	1.2	71.3	73.1
INTERNATIONAL AVG	.	57.8	6.2	25.1	8.6	2.3	57.8	0.1	0.4	1.8	56.4	59.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C05 KEY: D
 Same brick is put on a scale in three different ways. What will the scale show? (Physical Science)
 Difficulty: 484

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2456	8.5	6.9	7.8	75.7	1.1	75.7	0.0	0.1	1.0	76.3	75.0
Austria	988	4.7	4.7	7.7	81.5	1.4	81.5	0.1	0.0	1.3	83.5	79.8
Canada	3144	10.3	7.3	10.6	71.2	0.6	71.2	0.0	0.2	0.3	70.6	71.3
Cyprus	1219	10.6	9.5	9.9	67.8	2.2	67.8	0.2	0.2	1.8	67.5	67.8
Czech Republic	1237	4.1	4.2	5.9	84.4	1.4	84.4	0.2	0.1	1.2	83.2	85.8
England	1164	8.7	9.9	8.4	71.6	1.4	71.6	0.0	0.5	0.9	74.7	68.2
Greece	1163	7.8	9.5	8.3	67.9	6.5	67.9	0.3	0.4	5.8	68.0	67.8
Hong Kong	1658	9.3	6.8	8.4	74.8	0.8	74.8	0.0	0.0	0.7	78.3	71.4
Hungary	1151	5.1	9.7	7.3	73.9	4.0	73.9	0.0	2.0	2.0	71.8	75.6
Iceland	679	10.9	10.9	9.1	65.0	4.2	65.0	0.0	2.5	1.7	66.2	63.7
Iran, Islamic Rep.	1274	11.7	9.3	21.9	47.4	9.6	47.4	1.2	0.8	7.6	50.5	44.4
Ireland	1078	6.6	9.4	7.6	74.8	1.6	74.8	0.1	0.1	1.4	79.3	70.3
Israel	906	11.3	6.6	13.5	66.2	2.4	66.2	0.0	0.9	1.5	67.9	66.4
Japan	1602	6.3	13.4	4.3	75.7	0.3	75.7	0.0	0.1	0.3	78.6	72.6
Korea	1055	10.9	6.5	7.9	74.5	0.1	74.5	0.0	0.1	0.0	74.1	74.9
Kuwait	1598	16.8	10.3	20.6	46.9	5.5	46.9	0.0	1.8	3.7	46.0	47.8
Latvia (LSS)	835	3.3	4.5	5.6	83.4	3.2	83.4	0.0	0.6	2.6	84.6	82.3
Netherlands	938	10.5	5.1	8.1	75.8	0.5	75.8	0.5	0.0	0.0	71.8	79.7
New Zealand	892	11.2	7.4	8.7	70.2	2.4	70.2	0.0	0.7	1.7	71.0	69.4
Norway	831	11.2	12.5	11.5	61.7	3.1	61.7	0.0	1.4	1.7	59.8	62.4
Portugal	1074	5.3	5.1	8.8	74.4	6.4	74.4	0.0	2.1	4.3	74.7	74.1
Scotland	1241	8.7	9.2	7.4	73.7	1.1	73.7	0.0	0.5	0.6	76.5	70.7
Singapore	2689	7.6	9.5	6.9	75.5	0.4	75.5	0.0	0.0	0.4	75.3	75.7
Slovenia	968	3.5	4.1	2.4	89.2	0.7	89.2	0.0	0.2	0.5	90.7	87.8
Thailand	1188	14.5	9.4	6.9	68.7	0.5	68.7	0.0	0.1	0.4	73.1	64.6
United States	2720	10.5	9.2	9.5	69.5	1.3	69.5	0.0	0.1	1.2	70.4	68.6
INTERNATIONAL AVG	.	8.8	8.1	9.0	71.6	2.4	71.6	0.1	0.6	1.7	72.5	70.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C06 KEY: D
 Which animal eats only plants? (Life Science)
 Difficulty: 300

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2456	0.5	0.6	4.5	93.1	1.3	93.1	0.0	0.2	1.1	91.6	94.5
Austria	988	0.2	0.3	3.1	96.0	0.4	96.0	0.1	0.1	0.2	94.6	97.3
Canada	3144	1.1	1.0	10.4	86.0	1.4	86.0	0.4	0.3	0.8	84.0	87.9
Cyprus	1219	0.5	0.9	2.2	95.6	0.8	95.6	0.2	0.2	0.4	95.0	96.2
Czech Republic	1237	0.1	0.0	0.4	99.0	0.4	99.0	0.2	0.1	0.1	98.6	99.5
England	1164	0.4	0.4	6.8	91.4	1.0	91.4	0.0	0.5	0.5	89.9	93.0
Greece	1163	0.2	0.8	1.5	95.3	2.2	95.3	0.6	0.5	1.2	94.2	96.6
Hong Kong	1658	0.2	1.0	5.4	92.9	0.6	92.9	0.0	0.0	0.5	92.0	93.8
Hungary	1151	0.2	0.3	1.0	94.4	4.2	94.4	0.0	2.3	1.9	93.0	95.7
Iceland	679	1.1	0.5	6.1	88.4	4.1	88.4	0.3	2.8	1.0	87.7	89.1
Iran, Islamic Rep.	1274	1.3	1.7	5.6	87.2	4.3	87.2	0.7	1.2	2.4	85.8	88.4
Ireland	1078	0.1	0.8	6.4	92.0	0.7	92.0	0.4	0.2	0.1	90.8	93.1
Israel	906	1.3	1.1	3.5	91.8	2.3	91.8	0.3	1.1	0.9	92.5	92.0
Japan	1602	1.1	1.2	12.4	84.9	0.4	84.9	0.1	0.1	0.3	82.6	87.2
Korea	1055	0.3	0.0	1.1	98.4	0.2	98.4	0.0	0.1	0.1	97.8	99.0
Kuwait	1598	3.6	4.9	5.0	81.8	4.8	81.8	0.0	2.0	2.8	86.5	77.2
Latvia (LSS)	835	1.1	0.6	2.6	94.1	1.6	94.1	0.0	1.1	0.6	95.5	92.8
Netherlands	938	0.0	0.1	6.6	93.0	0.3	93.0	0.3	0.0	0.0	89.4	97.3
New Zealand	893	0.6	1.6	3.8	92.0	1.9	92.0	0.0	0.8	1.1	92.6	91.4
Norway	831	0.3	0.2	5.2	91.8	2.6	91.8	0.2	1.5	0.9	89.1	94.3
Portugal	1074	0.6	0.8	5.0	89.0	4.6	89.0	0.0	2.6	2.0	88.1	89.9
Scotland	1241	0.6	0.7	9.2	88.1	1.3	88.1	0.0	0.5	0.7	85.5	90.7
Singapore	2689	1.2	1.0	4.2	93.4	0.2	93.4	0.0	0.0	0.2	91.9	94.8
Slovenia	968	0.3	0.5	0.8	97.5	0.8	97.5	0.1	0.5	0.3	98.6	96.5
Thailand	1188	1.9	0.8	2.3	94.2	0.8	94.2	0.0	0.1	0.8	94.5	93.9
United States	2720	0.2	0.4	4.6	93.5	1.3	93.5	0.0	0.1	1.1	92.9	94.3
INTERNATIONAL AVG	.	0.7	0.8	4.6	92.1	1.7	92.1	0.1	0.7	0.8	91.3	92.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C07 KEY: B
 Which of the following is an example of the use of a renewable source? (Environment and other content)
 Difficulty: 607

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2455	20.6	52.0	14.4	10.4	2.5	52.0	0.0	0.2	2.3	49.1	54.9
Austria	988	13.4	53.5	13.6	13.7	5.7	53.5	0.5	0.2	5.0	51.1	56.4
Canada	3144	20.9	54.1	14.7	9.0	1.3	54.1	0.2	0.3	0.9	52.1	55.7
Cyprus	1219	13.7	46.7	15.8	17.7	6.1	46.7	0.1	0.2	5.7	47.2	46.0
Czech Republic	1237	15.6	53.8	10.4	16.2	4.0	53.8	0.5	0.1	3.3	53.6	54.0
England	1164	22.8	45.5	17.5	11.2	2.9	45.5	0.0	0.5	2.4	44.5	46.7
Greece	1163	15.3	48.2	12.5	14.2	9.7	48.2	0.6	0.7	8.5	48.3	48.2
Hong Kong	1659	18.7	55.1	15.3	9.5	1.4	55.1	0.5	0.0	0.8	49.4	60.4
Hungary	1151	24.6	31.9	16.3	19.2	8.0	31.9	0.0	2.4	5.6	28.1	35.2
Iceland	679	25.6	39.4	19.4	9.0	6.5	39.4	0.0	2.8	3.8	38.0	40.9
Iran, Islamic Rep.	1274	21.0	24.3	18.9	21.6	14.2	24.3	0.5	1.2	12.5	22.7	25.8
Ireland	1078	19.0	53.0	16.5	9.8	1.7	53.0	0.2	0.2	1.3	50.8	55.3
Israel	909	17.3	45.3	11.7	20.7	5.0	45.3	0.6	1.1	3.3	42.7	50.0
Japan	1602	12.4	67.8	6.9	12.1	0.8	67.8	0.2	0.1	0.6	67.5	68.2
Korea	1055	15.3	51.1	17.3	16.1	0.2	51.1	0.0	0.1	0.1	47.2	54.8
Kuwait	1597	26.2	21.4	26.3	14.9	11.2	21.4	0.0	2.0	9.2	16.6	26.0
Latvia (LSS)	835	21.5	45.2	13.9	12.1	7.3	45.2	0.0	1.1	6.3	46.0	44.4
Netherlands	938	12.6	61.2	16.3	9.1	0.7	61.2	0.6	0.0	0.1	59.7	62.2
New Zealand	893	22.1	40.6	19.6	15.7	2.0	40.6	0.0	0.8	1.2	36.9	44.4
Norway	831	17.2	48.6	12.5	13.6	8.0	48.6	0.2	1.5	6.3	46.4	49.6
Portugal	1074	15.4	49.1	13.1	10.8	11.7	49.1	0.0	3.0	8.7	49.7	48.4
Scotland	1241	23.8	45.9	16.7	11.3	2.3	45.9	0.1	0.5	1.6	46.3	45.4
Singapore	2689	23.9	31.4	28.8	14.8	1.1	31.4	0.0	0.0	1.0	27.5	34.7
Slovenia	968	36.7	37.0	13.3	9.4	3.6	37.0	0.2	0.5	2.9	33.7	40.8
Thailand	1188	10.8	49.1	14.5	25.2	0.5	49.1	0.0	0.1	0.4	48.9	49.2
United States	2720	22.6	49.2	16.4	9.7	2.0	49.2	0.1	0.1	1.8	46.3	52.2
INTERNATIONAL AVG	.	19.6	46.2	15.9	13.7	4.6	46.2	0.2	0.8	3.7	44.2	48.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C08 KEY: B
 What gas in the air do we need in order to live? (Life Science)
 Difficulty: 397

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2455	1.4	87.9	6.1	0.7	2.7	1.1	87.9	0.0	0.2	0.9	87.8	88.0
Austria	988	1.3	92.5	2.5	2.0	0.7	1.0	92.5	0.4	0.3	0.3	92.4	92.4
Canada	3144	0.6	86.5	7.0	1.1	3.6	1.3	86.5	0.3	0.3	0.6	89.6	83.4
Cyprus	1219	2.6	84.7	8.4	1.0	0.7	2.5	84.7	0.5	0.6	1.4	83.5	85.9
Czech Republic	1237	2.9	84.7	10.8	0.2	0.1	1.3	84.7	0.4	0.3	0.6	82.5	87.3
England	1164	1.2	85.9	8.3	0.5	2.5	1.6	85.9	0.0	0.6	1.0	86.0	85.8
Greece	1163	0.3	89.5	5.1	1.7	0.3	3.2	89.5	0.3	0.9	2.0	88.9	90.1
Hong Kong	1659	3.0	74.4	16.3	2.3	3.4	0.6	74.4	0.3	0.0	0.3	72.0	76.5
Hungary	1151	0.5	90.7	2.2	0.6	0.9	5.2	90.7	0.0	2.8	2.4	90.4	91.1
Iceland	679	2.2	88.6	2.1	1.5	1.8	3.8	88.6	0.0	3.1	0.6	89.1	88.1
Iran, Islamic Rep.	1274	1.3	68.3	23.3	0.5	2.7	3.8	68.3	0.7	1.5	1.5	68.1	68.5
Ireland	1078	1.2	84.0	7.2	1.8	4.1	1.7	84.0	0.1	0.3	1.3	83.5	84.6
Israel	909	2.4	74.9	15.6	1.1	3.5	2.5	74.9	0.2	1.7	0.7	75.7	76.6
Japan	1602	2.0	75.1	15.3	1.4	5.8	0.4	75.1	0.0	0.1	0.3	75.2	74.9
Korea	1055	0.5	82.5	11.7	1.0	4.0	0.3	82.5	0.0	0.1	0.2	80.1	84.7
Kuwait	1597	2.4	64.4	20.5	2.6	5.3	4.9	64.4	0.0	2.3	2.6	67.7	61.2
Latvia (LSS)	835	5.3	79.3	7.8	2.0	2.0	3.6	79.3	0.0	1.6	2.0	79.2	79.4
Netherlands	938	0.9	96.0	1.0	0.6	0.8	0.7	96.0	0.7	0.0	0.0	96.0	95.9
New Zealand	893	1.8	82.4	7.4	1.6	4.7	2.2	82.4	0.0	0.8	1.4	82.6	82.1
Norway	831	2.1	86.1	2.2	1.4	3.8	4.3	86.1	0.1	2.0	2.3	82.4	88.7
Portugal	1074	2.0	82.1	4.7	1.3	4.0	6.0	82.1	0.0	3.5	2.5	82.9	81.2
Scotland	1241	1.3	88.3	5.3	1.3	2.5	1.2	88.3	0.0	0.5	0.6	89.9	86.7
Singapore	2689	1.5	90.2	5.6	0.9	1.4	0.4	90.2	0.0	0.0	0.3	88.6	91.6
Slovenia	968	3.7	86.6	6.5	0.2	0.3	2.6	86.6	1.0	1.1	0.5	85.9	87.7
Thailand	1188	7.4	65.9	15.0	3.1	7.7	0.8	65.9	0.1	0.1	0.7	68.4	63.6
United States	2720	1.1	86.5	7.7	1.2	1.9	1.5	86.5	0.0	0.1	1.4	86.8	86.3
INTERNATIONAL AVG	.	2.0	83.0	8.7	1.3	2.7	2.3	83.0	0.2	1.0	1.1	82.9	83.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C09 KEY: E
 Where are large amounts of metals like iron and aluminum found? (Earth Science)
 Difficulty: 581

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2455	5.3	8.0	4.4	29.6	50.5	2.2	50.5	0.0	0.2	2.0	43.8	57.0
Austria	988	4.3	18.0	3.1	10.1	62.1	2.4	62.1	0.6	0.4	1.4	58.6	65.9
Canada	3144	4.2	8.6	4.4	28.7	52.5	1.6	52.5	0.2	0.4	1.1	48.9	54.6
Cyprus	1219	4.5	5.1	5.1	23.1	55.9	6.3	55.9	0.4	0.6	5.3	50.7	60.5
Czech Republic	1237	2.4	4.3	2.2	26.3	61.9	2.9	61.9	0.5	0.4	1.9	51.8	73.3
England	1164	6.3	10.3	5.7	31.1	44.4	2.2	44.4	0.0	0.6	1.6	40.6	48.7
Greece	1163	4.2	7.0	3.8	36.4	41.3	7.3	41.3	0.4	1.0	5.9	42.2	40.3
Hong Kong	1659	2.3	4.1	4.6	18.7	68.5	1.6	68.5	0.2	0.0	1.3	68.0	69.1
Hungary	1151	2.8	10.0	4.4	30.0	44.9	7.9	44.9	0.0	2.8	5.1	39.0	51.3
Iceland	679	6.8	14.4	6.4	21.0	45.6	5.9	45.6	0.1	3.2	2.6	44.3	47.0
Iran, Islamic Rep.	1274	8.3	4.9	4.8	32.2	44.4	5.5	44.4	0.6	1.6	3.3	40.1	48.4
Ireland	1078	6.0	7.5	7.3	27.5	49.7	2.1	49.7	0.1	0.4	1.6	44.5	55.0
Israel	909	6.6	5.5	4.4	29.1	49.9	4.5	49.9	0.4	1.7	2.4	45.0	54.6
Japan	1602	1.9	2.5	2.3	16.1	76.4	0.9	76.4	0.0	0.1	0.8	77.0	75.7
Korea	1055	1.1	0.6	1.1	9.0	88.0	0.2	88.0	0.0	0.1	0.1	88.9	87.2
Kuwait	1592	8.4	6.5	5.6	37.5	34.3	7.6	34.3	0.0	2.5	5.1	33.6	35.1
Latvia (LSS)	834	3.5	19.6	2.8	26.4	42.8	5.0	42.8	0.0	1.9	3.1	41.1	44.2
Netherlands	938	4.3	15.3	7.3	21.6	50.3	1.1	50.3	1.1	0.0	0.0	43.7	56.8
New Zealand	893	4.7	9.4	5.2	32.4	44.1	4.1	44.1	0.0	0.8	3.3	43.4	44.8
Norway	831	6.5	11.7	6.1	23.7	46.9	5.1	46.9	0.2	2.1	2.7	39.5	52.5
Portugal	1074	3.5	8.5	4.5	38.6	35.3	9.5	35.3	0.0	3.8	5.7	35.8	34.9
Scotland	1241	6.0	10.4	5.3	42.1	33.8	2.4	33.8	0.0	0.6	1.8	29.6	37.9
Singapore	2689	3.5	3.4	3.4	35.7	53.4	0.6	53.4	0.0	0.0	0.6	51.8	54.7
Slovenia	968	4.4	14.5	3.4	25.4	48.0	4.3	48.0	0.6	1.1	2.6	45.6	49.7
Thailand	1188	7.4	12.1	9.9	31.7	38.0	0.9	38.0	0.0	0.1	0.9	36.9	39.1
United States	2720	4.9	8.7	4.4	31.8	47.4	2.9	47.4	0.0	0.1	2.7	43.3	51.7
INTERNATIONAL AVG	.	4.8	8.9	4.7	27.5	50.4	3.7	50.4	0.2	1.0	2.5	47.2	53.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D01 KEY: A
 Why are kettles and kitchen pans often made of copper? (Physical Science)
 Difficulty: 532

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2429	74.9	8.3	7.1	8.2	1.5	74.9	0.0	0.0	1.5	76.1	73.7
Austria	988	67.9	11.7	12.3	5.3	2.8	67.9	0.7	0.1	2.0	67.6	68.3
Canada	3147	70.5	9.1	8.6	10.4	1.4	70.5	0.4	0.1	1.0	66.3	73.5
Cyprus	1245	49.4	16.8	20.6	8.9	4.4	49.4	1.1	0.2	3.1	49.7	49.0
Czech Republic	1231	63.6	14.2	13.1	6.3	2.8	63.6	0.2	0.4	2.3	62.6	64.6
England	1156	69.8	10.1	8.2	10.3	1.6	69.8	0.0	0.1	1.6	72.6	66.8
Greece	1162	66.3	8.0	14.0	5.6	6.2	66.3	0.9	0.3	5.0	69.0	63.3
Hong Kong	1665	64.5	5.1	20.6	7.7	2.1	64.5	0.8	0.0	1.2	63.6	65.3
Hungary	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	673	71.8	7.3	5.7	12.8	2.5	71.8	0.0	0.3	2.2	73.6	69.8
Iran, Islamic Rep.	1273	50.9	13.9	16.4	10.8	8.1	50.9	1.2	0.3	6.6	56.1	46.2
Ireland	1080	62.1	16.6	7.0	12.4	1.9	62.1	0.6	0.1	1.2	65.5	58.5
Israel	901	51.8	20.4	14.4	9.7	3.6	51.8	1.9	0.1	1.6	53.2	52.6
Japan	1614	82.5	7.4	7.4	2.5	0.2	82.5	0.2	0.0	0.1	82.1	82.8
Korea	1059	88.9	4.5	2.1	4.2	0.4	88.9	0.0	0.0	0.4	90.2	87.7
Kuwait	1619	61.7	11.7	11.3	10.0	5.3	61.7	0.0	0.9	4.4	67.6	56.1
Latvia (LSS)	827	63.5	6.2	17.3	9.7	3.2	63.5	0.0	0.2	3.0	66.5	60.8
Netherlands	953	50.8	13.4	19.8	15.3	0.7	50.8	0.6	0.0	0.1	46.6	54.3
New Zealand	903	68.0	8.5	10.9	10.6	2.1	68.0	0.0	0.8	1.3	72.0	63.5
Norway	835	49.3	20.4	14.9	11.1	4.3	49.3	0.1	0.5	3.7	49.8	48.3
Portugal	1060	44.5	8.7	18.3	18.8	9.7	44.5	0.0	1.4	8.3	45.6	43.4
Scotland	1237	73.1	8.4	7.3	10.4	0.9	73.1	0.5	0.1	0.3	72.7	73.3
Singapore	2694	82.4	3.6	3.3	10.1	0.6	82.4	0.0	0.0	0.6	84.1	81.0
Slovenia	976	68.4	7.6	14.2	7.8	2.1	68.4	0.3	0.0	1.7	71.6	65.5
Thailand	1142	59.0	15.0	9.4	13.3	3.3	59.0	0.1	0.1	3.1	60.6	57.6
United States	2726	74.6	8.6	7.5	8.2	1.1	74.6	0.0	0.0	1.1	76.7	72.5
INTERNATIONAL AVG	.	65.2	10.6	11.7	9.6	2.9	65.2	0.4	0.2	2.3	66.5	63.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D02 KEY: D
 Shown diagram of mouth, which teeth are used for grinding food? (Life Science)
 Difficulty: 481

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2429	7.1	7.2	11.7	72.2	1.7	72.2	0.0	0.0	1.7	74.2	70.2
Austria	988	5.9	4.7	7.9	79.1	2.4	79.1	0.2	0.1	2.2	78.6	79.7
Canada	3147	5.9	5.1	11.0	76.2	1.8	76.2	0.8	0.2	0.9	77.1	75.3
Cyprus	1245	5.6	6.5	14.7	68.1	5.0	68.1	0.3	0.2	4.5	70.9	65.7
Czech Republic	1231	6.5	2.6	10.6	76.6	3.7	76.6	1.4	0.6	1.8	78.0	75.1
England	1156	8.4	8.1	13.9	67.2	2.4	67.2	0.0	0.1	2.3	67.6	66.7
Greece	1162	5.0	6.6	12.0	64.3	12.0	64.3	1.0	0.4	10.6	67.2	61.3
Hong Kong	1665	3.4	4.3	5.7	85.8	0.9	85.8	0.1	0.0	0.7	86.9	84.6
Hungary	1126	3.4	6.0	11.1	73.5	6.0	73.5	0.0	0.7	5.4	72.7	74.1
Iceland	674	6.8	5.7	13.4	70.5	3.5	70.5	0.6	0.8	2.1	67.6	73.4
Iran, Islamic Rep.	1273	7.4	5.6	11.4	66.9	8.7	66.9	1.1	0.3	7.3	68.7	65.3
Ireland	1080	9.2	9.9	13.8	65.2	1.9	65.2	0.3	0.3	1.4	69.7	60.4
Israel	901	8.9	5.0	12.3	72.2	1.6	72.2	0.1	0.1	1.4	74.2	70.7
Japan	1614	1.3	1.0	5.6	92.0	0.1	92.0	0.0	0.0	0.1	93.2	90.7
Korea	1059	4.0	2.5	5.8	87.6	0.1	87.6	0.0	0.0	0.1	90.0	85.4
Kuwait	1619	5.1	14.4	12.1	62.9	5.5	62.9	0.0	1.3	4.2	69.3	57.0
Latvia (LSS)	827	7.7	5.7	9.6	71.5	5.5	71.5	0.0	0.6	4.9	72.2	70.9
Netherlands	953	4.0	2.7	9.0	83.8	0.6	83.8	0.6	0.0	0.0	86.3	82.7
New Zealand	903	7.1	8.3	15.6	65.7	3.3	65.7	0.0	0.8	2.5	64.5	67.0
Norway	835	8.5	4.4	14.8	66.0	6.3	66.0	0.2	0.5	5.6	66.4	65.5
Portugal	1060	8.3	10.4	13.1	60.0	8.1	60.0	0.0	1.7	6.4	60.3	59.8
Scotland	1237	6.9	7.4	15.1	68.4	2.3	68.4	0.2	0.1	2.0	67.5	69.4
Singapore	2694	4.2	4.2	9.5	81.8	0.3	81.8	0.0	0.0	0.3	84.2	79.6
Slovenia	977	6.4	5.4	7.2	78.9	2.1	78.9	0.7	0.1	1.3	82.3	75.2
Thailand	1142	7.8	3.6	13.0	74.9	0.7	74.9	0.0	0.1	0.5	75.8	74.1
United States	2726	5.0	3.7	10.5	79.7	1.1	79.7	0.0	0.0	1.0	78.4	81.0
INTERNATIONAL AVG	.	6.1	5.8	11.2	73.5	3.4	73.5	0.3	0.3	2.7	74.8	72.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D03 KEY: B
 Which of the following animals does not lay eggs? (Life Science)
 Difficulty: 332

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2429	1.1	96.5	1.0	0.6	0.8	96.5	0.0	0.0	0.8	96.3	96.6
Austria	987	0.7	95.3	2.2	0.6	1.3	95.3	1.1	0.1	0.2	95.8	94.9
Canada	3147	0.2	96.5	1.1	1.1	1.1	96.5	0.6	0.2	0.3	96.4	96.6
Cyprus	1245	2.4	84.3	6.2	1.1	6.1	84.3	5.4	0.2	0.5	84.2	84.5
Czech Republic	1231	1.0	86.2	3.8	2.2	6.8	86.2	5.9	0.6	0.2	84.9	87.6
England	1156	0.9	96.1	0.6	1.3	1.1	96.1	0.0	0.1	1.0	96.8	95.4
Greece	1162	0.5	92.1	2.9	0.6	4.0	92.1	2.3	0.4	1.2	91.9	92.3
Hong Kong	1664	0.6	87.5	5.2	1.9	4.9	87.5	4.5	0.0	0.4	87.9	87.0
Hungary	1126	2.7	78.4	0.2	4.4	14.3	78.4	0.0	0.8	13.5	78.9	78.2
Iceland	674	2.3	91.1	2.0	0.2	4.3	91.1	2.1	1.1	1.1	89.3	92.9
Iran, Islamic Rep.	1273	13.0	77.1	1.9	1.4	6.6	77.1	4.4	0.4	1.8	78.4	75.8
Ireland	1080	0.9	96.6	0.4	1.1	0.9	96.6	0.5	0.3	0.2	97.2	96.0
Israel	897	2.0	79.7	4.2	2.7	11.4	79.7	10.8	0.1	0.5	78.1	82.1
Japan	1614	0.3	94.5	2.4	2.5	0.3	94.5	0.2	0.0	0.1	95.0	94.0
Korea	1059	0.4	95.2	1.3	3.1	0.1	95.2	0.0	0.0	0.1	94.4	95.9
Kuwait	1619	8.4	80.3	2.8	4.1	4.3	80.3	0.0	1.4	2.9	85.6	75.4
Latvia (LSS)	827	1.7	80.5	6.0	1.0	10.7	80.5	0.0	0.6	10.1	82.3	78.9
Netherlands	953	0.2	93.1	0.3	0.0	6.5	93.1	6.4	0.0	0.1	93.1	93.5
New Zealand	903	0.6	94.3	1.8	1.3	2.1	94.3	0.0	0.8	1.3	95.4	92.9
Norway	835	1.0	90.2	1.2	1.5	6.2	90.2	4.5	0.6	1.0	89.7	90.0
Portugal	1060	1.6	84.1	2.2	1.9	10.1	84.1	0.0	1.7	8.3	83.4	84.9
Scotland	1237	1.1	95.0	1.3	1.1	1.5	95.0	1.0	0.2	0.3	95.2	94.8
Singapore	2694	1.5	95.9	1.1	1.2	0.2	95.9	0.0	0.0	0.2	96.3	95.5
Slovenia	977	1.1	92.9	1.9	1.1	3.1	92.9	2.4	0.2	0.4	92.6	93.4
Thailand	1142	2.3	95.7	0.6	0.8	0.6	95.7	0.0	0.1	0.5	96.5	94.9
United States	2726	0.9	96.3	1.1	1.0	0.8	96.3	0.1	0.0	0.7	96.4	96.1
INTERNATIONAL AVG	.	1.9	90.2	2.1	1.5	4.2	90.2	2.0	0.4	1.8	90.5	90.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D04 KEY: C
 Shown diagram of Earth, which layer is the hottest? (Earth Science)
 Difficulty: 454

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2429	13.8	5.1	75.5	5.0	0.7	75.5	0.0	0.1	0.6	71.6	79.2
Austria	986	12.8	4.6	76.0	4.9	1.7	76.0	0.3	0.1	1.4	71.8	79.3
Canada	3147	8.5	3.0	83.9	3.8	0.9	83.9	0.1	0.2	0.6	80.1	87.3
Cyprus	1245	11.9	8.2	66.0	9.2	4.8	66.0	0.3	0.2	4.2	65.1	66.8
Czech Republic	1231	10.8	4.6	75.5	6.4	2.6	75.5	0.5	0.7	1.5	73.5	77.7
England	1156	6.9	3.4	83.9	4.7	1.0	83.9	0.0	0.1	1.0	82.1	85.9
Greece	1162	7.0	7.0	74.1	5.2	6.7	74.1	0.8	0.5	5.4	75.7	72.3
Hong Kong	1664	7.5	6.9	82.0	2.5	1.1	82.0	0.5	0.0	0.6	80.4	83.5
Hungary	1126	7.6	3.8	78.4	6.8	3.4	78.4	0.0	0.8	2.5	77.2	79.0
Iceland	674	7.6	6.8	75.8	5.8	4.0	75.8	0.3	1.5	2.2	71.5	80.3
Iran, Islamic Rep.	1273	17.5	8.9	54.7	13.0	5.9	54.7	0.7	0.4	4.7	53.5	55.8
Ireland	1080	7.9	5.7	79.3	6.0	1.0	79.3	0.1	0.3	0.6	77.6	81.2
Israel	897	19.0	6.2	65.3	7.1	2.4	65.3	0.2	0.1	2.1	65.6	63.7
Japan	1614	10.0	4.5	84.2	1.0	0.2	84.2	0.0	0.1	0.2	78.5	90.0
Korea	1059	10.6	3.6	83.9	1.7	0.3	83.9	0.0	0.0	0.3	81.4	86.2
Kuwait	1619	11.4	9.1	56.3	17.6	5.6	56.3	0.0	1.4	4.1	60.3	52.6
Latvia (LSS)	827	9.9	9.0	69.0	9.5	2.5	69.0	0.0	0.6	1.9	72.5	65.8
Netherlands	953	8.7	5.4	82.3	3.3	0.4	82.3	0.3	0.1	0.0	78.1	86.7
New Zealand	903	8.8	2.9	79.8	6.0	2.5	79.8	0.0	0.8	1.7	76.9	83.0
Norway	835	3.9	7.2	82.7	3.5	2.6	82.7	0.1	0.6	1.8	80.0	85.2
Portugal	1060	9.1	5.0	69.2	9.1	7.7	69.2	0.0	1.9	5.9	69.5	68.9
Scotland	1237	6.7	3.9	84.3	4.1	1.0	84.3	0.2	0.3	0.5	85.0	83.6
Singapore	2694	15.2	6.7	72.4	5.5	0.2	72.4	0.0	0.0	0.2	70.2	74.4
Slovenia	977	8.7	3.7	81.2	5.2	1.3	81.2	0.1	0.2	1.0	78.6	83.8
Thailand	1142	15.8	4.5	61.4	17.8	0.5	61.4	0.0	0.1	0.4	64.2	58.6
United States	2726	6.4	3.8	86.3	2.5	1.0	86.3	0.0	0.0	0.9	83.2	89.4
INTERNATIONAL AVG	.	10.1	5.5	75.5	6.4	2.4	75.5	0.2	0.4	1.8	74.0	76.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E05 KEY: A
 When you make soap bubbles, what is inside the bubbles? (Physical Science)
 Difficulty: 514

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2432	70.5	15.9	3.2	9.8	0.6	70.5	0.0	0.3	0.2	68.5	72.6
Austria	998	65.6	15.7	2.5	14.9	1.3	65.6	0.4	0.2	0.7	61.3	70.2
Canada	3200	75.7	13.2	2.8	7.7	0.7	75.7	0.3	0.1	0.2	74.3	77.0
Cyprus	1243	61.5	24.1	6.1	6.2	2.1	61.5	1.3	0.3	0.6	59.8	62.7
Czech Republic	1231	72.4	12.2	3.1	10.9	1.4	72.4	0.4	0.5	0.6	69.8	75.4
England	1171	71.3	14.9	4.7	7.6	1.5	71.3	0.0	0.1	1.4	70.0	72.5
Greece	1137	40.5	37.3	5.4	11.7	5.1	40.5	3.9	0.8	0.4	38.8	42.3
Hong Kong	1634	69.5	17.2	9.2	3.3	0.8	69.5	0.3	0.0	0.4	68.1	70.6
Hungary	1141	77.3	8.0	2.7	9.4	2.5	77.3	0.0	1.1	1.4	75.7	79.0
Iceland	663	58.9	22.5	2.8	13.0	2.8	58.9	0.3	1.5	1.0	59.5	58.3
Iran, Islamic Rep.	1278	49.8	17.9	12.7	16.0	3.5	49.8	0.4	0.7	2.4	52.7	47.0
Ireland	1085	70.1	12.5	5.4	11.4	0.6	70.1	0.0	0.3	0.3	68.2	71.9
Israel	915	64.3	16.5	6.6	9.7	2.8	64.3	0.7	1.3	0.9	66.9	63.8
Japan	1619	83.1	6.8	7.3	2.6	0.2	83.1	0.0	0.1	0.2	82.4	83.8
Korea	1061	81.5	11.7	3.6	3.0	0.2	81.5	0.0	0.0	0.2	83.4	79.8
Kuwait	1605	64.1	13.1	10.7	7.2	4.8	64.1	0.0	2.3	2.5	69.1	59.4
Latvia (LSS)	835	64.1	17.4	3.2	13.8	1.5	64.1	0.0	0.7	0.8	60.0	68.1
Netherlands	932	78.8	8.4	1.7	10.2	1.0	78.8	0.5	0.0	0.4	78.9	79.2
New Zealand	912	68.5	12.2	3.6	14.2	1.6	68.5	0.0	0.7	0.9	66.2	70.9
Norway	834	67.0	19.0	2.2	8.4	3.4	67.0	0.8	1.4	1.2	63.4	69.4
Portugal	1075	63.6	17.0	6.3	8.4	4.7	63.6	0.0	2.9	1.8	60.7	66.3
Scotland	1245	65.7	16.0	4.1	13.3	0.8	65.7	0.1	0.3	0.4	65.1	66.4
Singapore	2681	82.9	9.3	4.7	2.9	0.2	82.9	0.0	0.0	0.2	83.1	82.7
Slovenia	974	70.2	16.8	4.5	7.4	1.1	70.2	0.5	0.1	0.5	67.1	73.9
Thailand	1196	57.4	11.5	18.4	12.1	0.6	57.4	0.1	0.1	0.5	52.1	61.9
United States	2738	76.1	12.3	4.5	5.9	1.3	76.1	0.1	0.1	1.1	73.6	78.7
INTERNATIONAL AVG	.	68.1	15.4	5.5	9.3	1.8	68.1	0.4	0.6	0.8	66.9	69.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E06 KEY: D
 Which of the following is hottest? (astronomical bodies) (Earth Science)
 Difficulty: 278

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2432	0.9	0.9	0.8	96.6	0.8	96.6	0.0	0.3	0.5	97.7	95.5
Austria	998	1.0	1.1	0.6	96.1	1.2	96.1	0.0	0.2	1.0	96.3	95.8
Canada	3200	0.9	0.8	0.4	97.3	0.5	97.3	0.0	0.1	0.3	98.0	96.8
Cyprus	1243	14.7	1.6	5.7	76.6	1.4	76.6	0.2	0.3	0.9	75.1	78.1
Czech Republic	1231	3.4	0.8	0.4	94.5	0.9	94.5	0.1	0.5	0.3	94.6	94.4
England	1171	1.5	1.7	0.8	94.8	1.1	94.8	0.0	0.3	0.9	95.9	93.8
Greece	1137	1.0	0.8	0.2	96.5	1.4	96.5	0.2	0.8	0.4	97.1	95.9
Hong Kong	1634	0.3	18.0	0.1	81.1	0.4	81.1	0.1	0.0	0.3	78.4	83.3
Hungary	1141	1.8	1.6	1.2	93.6	1.8	93.6	0.0	1.1	0.6	94.9	92.6
Iceland	663	0.2	1.4	0.7	95.0	2.7	95.0	0.0	1.8	0.9	94.5	95.6
Iran, Islamic Rep.	1278	8.5	7.2	6.4	74.8	3.1	74.8	0.2	0.8	2.1	75.7	73.9
Ireland	1085	1.0	1.5	0.7	95.9	0.8	95.9	0.0	0.4	0.4	96.2	95.7
Israel	915	2.5	1.0	0.9	92.7	2.9	92.7	0.1	1.3	1.6	92.9	92.9
Japan	1619	0.3	7.2	0.2	92.1	0.2	92.1	0.0	0.1	0.1	89.8	94.6
Korea	1061	0.9	2.7	0.2	96.1	0.1	96.1	0.0	0.0	0.1	93.9	98.2
Kuwait	1604	4.8	3.5	2.3	85.6	3.7	85.6	0.0	2.5	1.2	91.0	80.6
Latvia (LSS)	835	3.6	1.3	0.5	92.7	1.9	92.7	0.0	0.7	1.2	92.9	92.5
Netherlands	932	0.8	0.5	1.5	96.4	0.9	96.4	0.5	0.0	0.4	95.3	97.6
New Zealand	912	0.9	1.0	1.4	95.0	1.8	95.0	0.0	0.8	1.0	96.8	93.1
Norway	834	0.6	0.7	0.3	95.6	2.8	95.6	0.2	1.7	0.9	96.6	94.6
Portugal	1075	1.8	1.8	1.2	90.9	4.3	90.9	0.0	3.1	1.3	91.4	90.4
Scotland	1245	0.7	1.7	0.9	95.2	1.6	95.2	0.2	0.4	0.9	96.0	94.2
Singapore	2681	2.6	2.7	1.7	92.8	0.2	92.8	0.0	0.0	0.2	93.2	92.4
Slovenia	974	1.2	0.5	0.3	97.4	0.6	97.4	0.0	0.1	0.5	97.7	97.2
Thailand	1196	3.1	0.9	1.9	93.6	0.5	93.6	0.0	0.1	0.4	94.8	92.5
United States	2738	1.2	1.4	0.6	95.5	1.3	95.5	0.0	0.1	1.2	95.7	95.2
INTERNATIONAL AVG	.	2.3	2.5	1.2	92.5	1.5	92.5	0.1	0.7	0.8	92.8	92.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E07 KEY: C
 What changes would you expect in pulse and breathing after running a 50 metre race? (Life Science)
 Difficulty: 535

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2432	8.0	7.4	64.4	11.4	6.3	2.4	64.4	0.0	0.3	2.1	63.2	65.5
Austria	998	2.0	6.1	80.6	5.2	4.1	2.0	80.6	0.2	0.2	1.6	79.4	81.8
Canada	3200	9.5	6.7	65.7	10.9	5.1	2.1	65.7	0.0	0.2	1.9	68.1	63.1
Cyprus	1243	13.2	9.0	55.2	10.4	5.6	6.6	55.2	0.4	0.5	5.6	51.9	58.1
Czech Republic	1231	3.5	9.4	68.1	4.8	10.4	3.8	68.1	0.1	0.5	3.3	66.7	69.7
England	1171	11.5	6.3	63.3	10.2	5.8	2.9	63.3	0.0	0.3	2.6	62.9	63.7
Greece	1137	9.2	8.1	55.2	10.0	5.3	12.2	55.2	0.3	0.8	11.0	55.9	54.5
Hong Kong	1634	6.3	12.2	68.7	6.9	4.7	1.3	68.7	0.2	0.0	1.1	67.2	69.9
Hungary	1141	7.0	7.6	68.0	5.8	6.9	4.8	68.0	0.0	1.1	3.7	66.6	70.0
Iceland	663	6.4	7.2	64.7	8.4	8.1	5.2	64.7	0.0	2.0	3.2	62.9	66.8
Iran, Islamic Rep.	1278	9.7	11.3	47.2	7.8	12.1	11.9	47.2	0.7	1.0	10.2	46.6	47.8
Ireland	1085	13.8	7.1	55.7	12.0	8.8	2.6	55.7	0.0	0.4	2.3	56.7	54.7
Israel	915	5.1	10.1	64.4	11.3	4.1	4.9	64.4	0.0	1.4	3.6	63.4	65.6
Japan	1619	1.3	3.4	92.5	1.5	0.9	0.3	92.5	0.0	0.1	0.2	94.2	90.8
Korea	1061	5.4	4.3	81.8	7.3	1.1	0.1	81.8	0.0	0.0	0.1	81.3	82.3
Kuwait	1588	12.1	19.8	45.4	11.8	0.0	11.0	45.4	0.0	2.5	8.4	48.2	42.8
Latvia (LSS)	834	7.5	11.5	58.5	8.6	9.9	4.0	58.5	0.0	0.8	3.2	58.5	58.4
Netherlands	932	4.5	10.8	75.6	3.2	5.0	0.9	75.6	0.3	0.0	0.6	74.8	76.4
New Zealand	912	10.2	10.1	55.9	11.4	8.2	4.2	55.9	0.0	0.8	3.3	58.8	52.9
Norway	834	4.5	11.6	70.6	5.4	3.4	4.4	70.6	0.0	1.7	2.7	68.9	71.4
Portugal	1075	6.9	12.3	55.1	4.7	9.1	12.0	55.1	0.0	3.1	8.8	54.5	55.7
Scotland	1245	9.6	7.1	62.4	11.9	5.8	3.1	62.4	0.0	0.5	2.5	63.6	61.2
Singapore	2681	6.5	7.3	69.4	12.6	3.5	0.6	69.4	0.0	0.0	0.6	68.7	70.1
Slovenia	974	4.0	8.2	75.2	3.7	6.4	2.4	75.2	0.1	0.1	2.2	75.9	74.4
Thailand	1196	8.7	18.5	45.6	13.0	13.1	1.1	45.6	0.0	0.1	1.0	47.4	44.0
United States	2738	8.0	8.7	67.6	10.4	3.3	2.0	67.6	0.0	0.1	1.9	67.4	67.9
INTERNATIONAL AVG	.	7.5	9.3	64.5	8.5	6.0	4.2	64.5	0.1	0.7	3.4	64.4	64.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E08

What happens to plants and fish when a factory pours large amounts of hot water into a river? (Environment and other content)

Difficulty: 449

COUNTRY	N	NOT REACHED										1. GIRL % Right	2. BOY % Right		
		10	11	12	19	70	79	90	99	V1	INVALID ID				
Australia	2431	0.9	78.9	0.9	5.3	1.3	5.1	0.2	7.5	85.9	0.0	0.5	7.0	88.2	83.8
Austria	998	0.8	58.4	1.6	13.3	8.4	4.0	1.2	12.4	74.0	0.0	0.2	12.1	70.9	77.0
Canada	3200	1.9	60.3	0.9	17.2	4.5	6.6	1.7	6.8	80.3	0.0	0.2	6.6	84.2	77.1
Cyprus	1243	1.6	64.9	1.6	3.8	1.5	8.2	0.6	17.9	71.8	0.0	0.6	17.3	72.8	71.2
Czech Republic	1231	0.7	73.9	1.3	3.2	6.1	3.6	1.0	10.1	79.1	0.0	0.6	9.5	79.9	78.2
England	1171	2.4	72.3	1.0	4.4	3.1	4.9	1.8	10.1	80.1	0.0	0.4	9.7	83.8	76.7
Greece	1137	0.8	56.7	1.4	6.3	3.3	6.8	1.9	22.9	65.1	0.0	1.2	21.7	68.1	62.0
Hong Kong	1636	0.5	65.4	2.4	8.9	5.6	5.1	0.8	11.4	77.1	0.0	0.0	11.3	77.4	76.9
Hungary	1141	1.0	70.6	2.6	6.1	3.8	2.6	0.3	13.0	80.3	0.0	1.1	11.8	83.2	78.1
Iceland	663	1.3	56.1	1.3	9.9	2.6	7.4	4.2	17.1	68.6	0.0	2.8	14.3	68.2	69.1
Iran, Islamic Rep.	1278	1.0	27.5	0.2	5.3	3.7	7.3	2.9	52.1	34.1	0.0	2.2	49.8	35.1	33.1
Ireland	1085	2.1	68.1	0.9	13.5	3.3	4.1	0.8	7.1	84.7	0.0	0.4	6.8	87.5	81.9
Israel	915	2.0	58.9	0.6	14.8	3.4	7.1	1.9	11.0	76.4	0.0	1.4	9.7	80.5	73.2
Japan	1619	0.6	65.7	3.1	17.0	10.7	0.2	0.4	2.4	86.3	0.0	0.1	2.4	85.6	87.0
Korea	1061	6.1	70.1	1.2	8.4	5.7	7.1	1.2	0.2	85.7	0.0	0.0	0.2	86.5	84.9
Kuwait	1573	3.0	26.2	0.7	3.0	0.9	6.4	0.0	59.9	32.9	2.3	3.3	54.3	39.1	27.1
Latvia (LSS)	834	0.6	65.8	0.6	12.9	1.1	10.0	0.1	8.8	79.9	0.0	1.2	7.5	85.5	74.6
Netherlands	932	1.7	80.7	1.6	1.4	7.0	4.7	0.9	2.1	85.4	0.0	0.0	2.1	86.9	83.9
New Zealand	911	1.4	78.1	1.9	1.5	3.2	6.0	0.7	7.2	82.9	0.0	0.8	6.4	85.4	80.3
Norway	834	0.7	70.0	1.6	2.5	4.6	1.3	2.6	16.6	74.8	0.0	2.1	14.6	79.3	71.1
Portugal	1075	0.5	66.6	0.6	2.3	3.4	3.2	1.6	21.9	70.0	0.0	3.9	18.0	70.3	69.7
Scotland	1245	2.1	76.4	0.7	2.9	2.1	5.6	0.7	9.4	82.1	0.0	0.6	8.8	84.9	79.4
Singapore	2681	3.6	75.4	0.4	9.5	1.1	4.7	2.1	3.2	89.0	0.0	0.0	3.2	91.7	86.4
Slovenia	974	3.8	72.9	0.9	6.5	2.1	5.6	1.0	7.2	84.1	0.0	0.2	7.0	86.6	81.4
Thailand	1196	0.0	46.9	0.6	33.0	0.6	6.9	0.6	11.5	80.5	0.0	0.2	11.3	82.6	78.7
United States	2738	1.1	76.1	1.9	5.6	5.0	3.8	0.7	5.9	84.7	0.0	0.1	5.8	86.5	82.8
INTERNATIONAL AVG	.	1.6	64.7	1.2	8.4	3.8	5.3	1.2	13.7	76.0	0.1	0.9	12.7	78.1	74.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: E09 KEY: C
 Given several recent floods, when will it flood next? (Earth Science)
 Difficulty: 606

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2431	25.7	16.7	42.7	12.9	2.0	42.7	0.0	0.7	1.3	42.6	42.8
Austria	998	23.4	12.7	48.9	11.4	3.6	48.9	0.8	0.4	2.4	54.6	43.9
Canada	3200	20.5	21.7	42.5	13.9	1.4	42.5	0.2	0.3	0.8	41.6	42.2
Cyprus	1243	23.2	19.4	42.1	8.3	7.0	42.1	2.8	0.6	3.6	43.6	41.1
Czech Republic	1231	21.9	14.4	48.6	11.4	3.7	48.6	0.3	0.8	2.6	48.4	48.8
England	1171	22.8	15.9	43.1	15.9	2.2	43.1	0.0	0.7	1.5	44.2	42.1
Greece	1137	16.1	19.6	43.2	11.7	9.4	43.2	4.7	1.3	3.5	44.3	42.0
Hong Kong	1638	41.5	15.0	35.1	7.6	0.7	35.1	0.2	0.1	0.4	38.0	33.0
Hungary	1141	21.2	13.6	49.8	10.5	4.9	49.8	0.0	1.3	3.6	50.1	49.4
Iceland	663	24.0	21.6	42.0	6.6	5.8	42.0	0.2	4.4	1.2	43.0	40.7
Iran, Islamic Rep.	1277	29.7	20.0	15.1	21.7	13.6	15.1	3.0	2.7	7.9	16.1	14.0
Ireland	1085	27.4	15.2	42.0	13.4	2.0	42.0	0.6	0.5	1.0	48.6	35.7
Israel	915	23.7	14.2	43.5	13.6	5.0	43.5	0.9	1.9	2.3	42.8	45.4
Japan	1619	17.5	10.7	66.0	5.2	0.6	66.0	0.1	0.1	0.4	68.8	63.1
Korea	1061	29.1	6.5	61.1	3.0	0.3	61.1	0.0	0.0	0.3	63.4	59.0
Kuwait	1596	27.8	23.2	27.6	11.3	10.2	27.6	0.0	3.8	6.4	30.2	25.0
Latvia (LSS)	835	19.6	13.6	43.6	19.0	4.2	43.6	0.0	1.4	2.8	48.4	39.0
Netherlands	932	30.0	12.3	45.8	10.5	1.4	45.8	1.2	0.0	0.2	47.7	43.0
New Zealand	912	26.8	15.1	40.4	15.3	2.5	40.4	0.0	0.8	1.7	45.4	35.3
Norway	834	21.6	18.5	41.6	13.1	5.2	41.6	0.7	2.3	2.2	48.7	36.1
Portugal	1075	18.4	21.3	34.1	14.0	12.2	34.1	0.0	4.6	7.5	34.5	33.8
Scotland	1245	21.8	20.8	41.1	14.2	2.1	41.1	0.3	0.7	1.2	42.4	39.8
Singapore	2681	29.2	13.7	47.5	8.8	0.8	47.5	0.0	0.0	0.8	50.6	44.7
Slovenia	974	14.7	9.4	63.8	10.9	1.2	63.8	0.3	0.3	0.6	65.6	62.0
Thailand	1196	24.1	17.7	43.1	13.5	1.6	43.1	0.0	0.3	1.3	46.5	40.4
United States	2738	20.7	16.6	51.1	9.8	1.9	51.1	0.1	0.3	1.4	53.6	48.4
INTERNATIONAL AVG	.	23.9	16.1	44.1	11.8	4.1	44.1	0.6	1.2	2.3	46.3	41.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F01 KEY: A
 Which of the following plants is grown for food? (Life Science)
 Difficulty: 367

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2442	85.2	4.7	7.3	2.4	0.4	85.2	0.0	0.0	0.4	84.4	85.9
Austria	986	89.9	1.8	5.1	2.4	0.8	89.9	0.1	0.2	0.5	88.4	91.8
Canada	3172	85.1	5.6	6.1	2.5	0.7	85.1	0.1	0.0	0.5	85.8	84.1
Cyprus	1232	85.5	5.1	4.8	2.1	2.5	85.5	0.6	0.4	1.5	85.7	85.3
Czech Republic	1224	97.0	0.7	0.5	1.0	0.8	97.0	0.2	0.0	0.7	97.8	96.1
England	1160	88.1	4.4	4.6	1.7	1.1	88.1	0.0	0.2	0.9	87.7	88.5
Greece	1137	92.6	1.4	1.9	1.5	2.6	92.6	0.8	0.0	1.8	91.2	93.9
Hong Kong	1657	94.5	1.8	1.4	0.6	1.7	94.5	0.7	0.1	1.0	95.7	93.5
Hungary	1124	91.7	2.0	1.7	1.6	3.1	91.7	0.0	0.6	2.5	93.0	90.4
Iceland	671	79.7	4.7	10.1	3.4	2.1	79.7	0.2	1.0	0.8	80.1	79.1
Iran, Islamic Rep.	1264	87.3	3.5	2.8	3.8	2.7	87.3	0.7	0.2	1.8	88.9	85.7
Ireland	1069	90.8	2.9	4.1	1.7	0.5	90.8	0.2	0.0	0.3	91.9	89.7
Israel	889	86.7	2.6	4.2	2.6	3.9	86.7	1.8	0.6	1.4	89.2	84.1
Japan	1621	85.2	4.0	6.8	3.7	0.3	85.2	0.0	0.1	0.2	86.9	83.5
Korea	1061	93.9	2.4	2.0	1.6	0.0	93.9	0.0	0.0	0.0	93.5	94.3
Kuwait	1627	64.9	6.6	17.5	8.4	2.7	64.9	0.0	0.3	2.4	68.5	61.5
Latvia (LSS)	839	89.5	2.6	2.6	2.7	2.5	89.5	0.0	0.4	2.1	89.4	89.5
Netherlands	936	80.2	6.4	8.8	3.6	1.0	80.2	0.6	0.0	0.4	79.3	80.9
New Zealand	917	81.7	5.0	8.8	3.6	0.8	81.7	0.0	0.3	0.6	83.7	79.8
Norway	848	90.0	1.8	4.7	2.3	1.2	90.0	0.1	0.4	0.7	90.9	88.8
Portugal	1070	89.2	1.1	4.5	1.5	3.7	89.2	0.0	1.1	2.5	90.8	87.5
Scotland	1223	88.3	4.5	4.9	1.7	0.6	88.3	0.2	0.1	0.3	88.7	87.9
Singapore	2694	84.1	9.9	2.9	2.5	0.7	84.1	0.0	0.0	0.7	84.6	83.6
Slovenia	935	86.4	3.1	5.3	4.0	1.2	86.4	0.2	0.0	1.0	85.5	86.9
Thailand	1161	94.2	1.1	3.2	1.0	0.5	94.2	0.0	0.0	0.5	94.4	94.0
United States	2733	86.0	5.1	5.3	2.6	1.0	86.0	0.0	0.1	0.9	84.4	87.7
INTERNATIONAL AVG	.	87.2	3.6	5.1	2.6	1.5	87.2	0.3	0.2	1.0	87.7	86.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F02 KEY: B
 Each year the Earth moves once around which of the following? (Earth Science)
 Difficulty: 496

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2442	4.9	68.8	14.0	11.7	0.6	68.8	0.0	0.0	0.6	67.5	70.2
Austria	986	6.2	75.7	9.1	8.0	1.0	75.7	0.2	0.2	0.6	74.2	76.8
Canada	3172	4.3	74.6	12.1	8.6	0.5	74.6	0.1	0.1	0.3	73.5	75.9
Cyprus	1232	6.5	48.3	15.9	25.3	3.9	48.3	0.2	0.4	3.3	44.3	52.6
Czech Republic	1224	2.1	83.5	6.6	6.8	1.1	83.5	0.1	0.1	0.9	82.7	84.3
England	1160	4.6	74.6	13.3	6.6	0.9	74.6	0.0	0.2	0.8	74.4	74.7
Greece	1137	5.3	79.4	5.4	6.7	3.2	79.4	0.5	0.2	2.5	78.3	80.5
Hong Kong	1657	2.9	89.7	4.4	1.8	1.2	89.7	0.3	0.1	0.9	88.3	91.0
Hungary	1124	1.3	87.5	3.6	5.0	2.6	87.5	0.0	0.9	1.7	87.0	88.1
Iceland	671	10.0	70.5	9.8	7.8	1.8	70.5	0.0	1.2	0.6	69.3	71.9
Iran, Islamic Rep.	1264	5.3	64.0	18.4	9.2	3.1	64.0	0.5	0.3	2.3	58.6	69.2
Ireland	1069	5.6	63.3	19.4	10.8	0.9	63.3	0.3	0.0	0.6	60.7	65.8
Israel	889	7.5	61.6	12.3	15.8	2.9	61.6	0.3	1.2	1.5	60.7	62.9
Japan	1621	9.4	62.5	17.1	10.8	0.3	62.5	0.0	0.2	0.1	56.6	68.3
Korea	1061	8.7	68.6	12.7	9.8	0.2	68.6	0.0	0.0	0.2	64.8	72.2
Kuwait	1624	8.3	47.5	8.5	32.6	3.1	47.5	0.0	0.6	2.5	45.0	49.9
Latvia (LSS)	838	9.4	68.1	8.3	11.7	2.5	68.1	0.0	0.7	1.7	69.7	66.6
Netherlands	936	13.0	56.0	16.3	13.7	0.9	56.0	0.7	0.0	0.3	51.4	61.1
New Zealand	917	4.6	65.4	15.3	13.5	1.2	65.4	0.0	0.3	0.9	64.7	66.1
Norway	848	6.8	74.4	11.2	5.7	1.8	74.4	0.0	0.5	1.3	73.7	74.3
Portugal	1070	3.5	64.4	11.7	14.6	5.8	64.4	0.0	1.5	4.3	64.9	63.8
Scotland	1223	5.0	66.8	16.2	11.2	0.8	66.8	0.0	0.2	0.5	64.1	69.4
Singapore	2694	10.2	63.1	9.8	16.2	0.7	63.1	0.0	0.0	0.7	57.8	67.8
Slovenia	935	9.4	64.7	10.6	14.6	0.7	64.7	0.4	0.0	0.4	62.3	67.6
Thailand	1161	3.2	56.5	12.2	27.2	0.8	56.5	0.0	0.0	0.8	52.9	60.2
United States	2733	4.1	76.7	10.5	7.5	1.2	76.7	0.0	0.1	1.1	73.6	79.9
INTERNATIONAL AVG	.	6.2	68.3	11.7	12.1	1.7	68.3	0.1	0.3	1.2	66.2	70.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F03 KEY: D
 Shown diagrams of rocks before and after being rubbed against hard steel, circle hardest rock. (Earth Science)
 Difficulty: 516

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2442	15.4	4.2	7.9	68.0	4.6	68.0	0.0	0.0	4.6	65.8	69.9
Austria	985	8.3	1.1	7.8	80.4	2.3	80.4	0.5	0.2	1.7	79.6	81.0
Canada	3172	11.5	3.9	6.2	74.9	3.5	74.9	1.1	0.1	2.3	73.2	76.0
Cyprus	1232	16.0	5.6	13.4	51.6	13.4	51.6	1.6	0.4	11.4	50.9	52.4
Czech Republic	1224	10.3	3.0	7.7	75.5	3.5	75.5	1.3	0.1	2.1	74.0	77.0
England	1160	14.0	3.4	9.1	67.8	5.7	67.8	0.0	0.2	5.5	68.1	67.5
Greece	1137	9.9	6.4	12.6	60.7	10.4	60.7	1.8	0.3	8.3	62.3	59.0
Hong Kong	1657	10.1	3.6	9.2	71.3	5.9	71.3	1.0	0.1	4.8	70.4	72.1
Hungary	1124	14.0	5.0	13.5	62.1	5.4	62.1	0.0	0.9	4.5	62.4	62.0
Iceland	671	19.3	3.9	13.8	58.0	5.0	58.0	0.6	1.2	3.2	56.1	60.1
Iran, Islamic Rep.	1264	30.7	7.1	13.9	35.0	13.4	35.0	5.8	0.3	7.2	35.5	34.4
Ireland	1069	12.2	4.8	7.4	71.6	4.0	71.6	2.3	0.1	1.6	69.6	73.6
Israel	888	18.3	7.4	12.3	56.1	5.9	56.1	1.4	1.3	3.2	58.5	53.3
Japan	1621	7.0	3.7	5.9	81.4	1.9	81.4	0.1	0.2	1.5	82.6	80.3
Korea	1061	8.9	3.0	5.9	82.1	0.1	82.1	0.0	0.0	0.1	81.2	83.0
Kuwait	1592	25.2	9.6	18.2	35.1	11.9	35.1	0.1	0.6	11.2	36.5	33.8
Latvia (LSS)	840	13.6	5.6	13.8	64.1	3.0	64.1	0.0	0.7	2.2	66.8	61.5
Netherlands	936	7.5	3.2	5.8	81.8	1.6	81.8	1.2	0.0	0.4	80.4	82.7
New Zealand	917	15.3	3.3	8.9	69.2	3.4	69.2	0.0	0.3	3.1	69.7	68.7
Norway	848	15.3	4.5	7.1	65.7	7.4	65.7	0.3	0.5	6.6	65.8	65.9
Portugal	1070	24.3	4.0	9.0	54.4	8.2	54.4	0.0	1.7	6.6	53.9	55.0
Scotland	1223	16.3	5.3	7.4	63.6	7.4	63.6	2.1	0.2	5.1	63.5	64.0
Singapore	2693	12.0	7.8	8.8	68.1	3.3	68.1	0.0	0.0	3.3	68.0	68.2
Slovenia	935	9.7	3.7	12.4	72.2	2.0	72.2	0.5	0.0	1.5	69.9	74.6
Thailand	1161	14.4	13.6	17.2	48.4	6.3	48.4	0.0	0.0	6.3	50.6	46.1
United States	2733	13.7	3.0	6.0	73.4	3.9	73.4	0.5	0.1	3.3	71.9	74.9
INTERNATIONAL AVG	.	14.4	5.0	10.1	65.1	5.5	65.1	0.9	0.4	4.3	64.9	65.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F04 KEY: C
 Which of the following sets of time measurements is in order from shortest to longest? (Physical Science)
 Difficulty: 475

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2442	3.8	5.0	82.4	6.7	2.1	82.4	0.0	0.0	2.1	82.8	82.1
Austria	985	3.1	4.3	83.0	7.5	2.1	83.0	0.3	0.2	1.6	81.8	83.4
Canada	3172	5.0	8.4	78.1	6.7	1.8	78.1	0.4	0.1	1.4	78.2	78.3
Cyprus	1232	8.2	16.0	59.4	9.1	7.3	59.4	0.9	0.4	6.0	56.1	62.9
Czech Republic	1224	1.8	2.5	90.1	4.2	1.3	90.1	0.3	0.2	0.9	90.6	89.6
England	1160	6.2	5.9	75.3	9.3	3.3	75.3	0.0	0.2	3.2	73.9	76.7
Greece	1137	4.9	8.8	69.3	6.1	10.9	69.3	1.4	0.3	9.2	68.9	69.7
Hong Kong	1657	5.2	16.8	65.3	11.8	0.9	65.3	0.2	0.1	0.6	60.0	70.2
Hungary	1124	2.1	4.7	82.2	6.7	4.3	82.2	0.0	1.1	3.2	81.8	83.1
Iceland	671	9.1	13.5	60.1	12.7	4.6	60.1	0.3	1.3	3.0	59.9	60.3
Iran, Islamic Rep.	1264	13.4	17.9	42.7	16.0	10.0	42.7	1.7	0.4	7.9	42.5	42.9
Ireland	1069	3.1	8.3	76.9	7.9	3.8	76.9	2.1	0.1	1.6	78.2	75.6
Israel	889	2.8	4.2	82.4	4.9	5.7	82.4	0.6	1.3	3.7	84.2	81.6
Japan	1621	4.8	10.9	72.6	11.0	0.7	72.6	0.1	0.2	0.4	68.4	76.9
Korea	1061	2.6	5.7	84.3	7.4	0.0	84.3	0.0	0.0	0.0	82.7	85.8
Kuwait	1590	12.4	12.9	54.2	9.8	10.8	54.2	0.1	0.7	10.0	55.6	52.8
Latvia (LSS)	837	3.4	9.0	72.5	11.2	3.9	72.5	0.0	0.7	3.2	74.6	70.4
Netherlands	936	2.0	5.1	89.9	2.6	0.3	89.9	0.1	0.0	0.2	90.2	89.4
New Zealand	917	5.1	10.0	71.8	9.8	3.2	71.8	0.0	0.4	2.8	74.0	69.6
Norway	848	5.3	6.3	75.9	7.9	4.6	75.9	0.7	0.7	3.2	75.9	75.3
Portugal	1070	9.4	9.0	61.3	12.6	7.7	61.3	0.0	1.7	6.1	59.8	62.7
Scotland	1223	5.8	8.4	73.8	8.9	3.2	73.8	1.4	0.2	1.6	75.1	72.4
Singapore	2694	4.2	5.9	84.4	5.1	0.3	84.4	0.0	0.0	0.3	83.1	85.6
Slovenia	935	2.8	4.6	87.1	3.9	1.5	87.1	0.6	0.0	0.9	89.1	84.9
Thailand	1161	6.6	9.7	67.3	15.9	0.5	67.3	0.0	0.0	0.5	67.7	66.8
United States	2733	3.5	5.8	83.6	5.3	1.9	83.6	0.1	0.1	1.6	83.2	84.0
INTERNATIONAL AVG	.	5.3	8.5	74.1	8.5	3.7	74.1	0.4	0.4	2.9	73.8	74.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G05 KEY: C
 Where does air go when a person breathes in? (Life Science)
 Difficulty: 411

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2447	4.3	2.2	90.6	1.6	1.3	90.6	0.0	0.3	1.0	92.6	88.7
Austria	978	8.3	3.7	84.8	1.2	2.0	84.8	0.4	0.2	1.4	85.5	84.4
Canada	3165	3.6	3.6	89.0	2.0	1.9	89.0	0.1	0.4	1.4	89.0	89.5
Cyprus	1264	6.4	5.9	84.0	1.4	2.2	84.0	0.1	0.6	1.5	85.8	82.6
Czech Republic	1213	2.3	0.6	96.0	0.5	0.6	96.0	0.0	0.1	0.5	95.7	96.4
England	1163	6.8	3.9	86.2	2.3	0.7	86.2	0.0	0.1	0.6	85.6	86.9
Greece	1155	6.8	2.9	83.8	1.8	4.7	83.8	0.2	0.8	3.6	84.5	83.1
Hong Kong	1660	10.3	6.5	79.8	2.5	1.0	79.8	0.3	0.1	0.6	78.0	81.4
Hungary	1134	3.2	2.7	91.8	0.1	2.2	91.8	0.0	1.3	0.9	91.3	92.3
Iceland	662	5.0	3.7	86.0	2.4	3.0	86.0	0.0	1.7	1.3	86.2	85.7
Iran, Islamic Rep.	1263	16.9	9.0	66.5	4.1	3.5	66.5	0.3	0.6	2.7	67.4	65.6
Ireland	1103	4.2	5.2	88.3	1.1	1.2	88.3	0.1	0.2	1.0	87.3	89.3
Israel	924	10.3	4.8	81.9	1.0	2.0	81.9	0.0	0.7	1.3	83.1	82.0
Japan	1617	10.3	22.6	60.9	5.7	0.4	60.9	0.1	0.1	0.3	56.3	65.6
Korea	1047	26.6	8.0	63.3	1.9	0.2	63.3	0.0	0.0	0.2	61.4	65.2
Kuwait	1593	13.9	5.7	71.1	4.7	4.5	71.1	0.0	0.8	3.7	75.0	67.4
Latvia (LSS)	828	8.4	6.7	82.1	0.9	2.0	82.1	0.0	0.2	1.8	80.3	83.8
Netherlands	951	6.3	6.4	85.0	1.1	1.3	85.0	1.2	0.0	0.1	84.6	85.1
New Zealand	914	4.7	2.4	87.9	2.4	2.6	87.9	0.0	0.7	1.9	87.4	88.4
Norway	850	6.1	2.1	86.2	1.5	4.2	86.2	0.2	1.4	2.5	85.0	86.9
Portugal	1085	6.7	2.1	86.6	1.0	3.5	86.6	0.0	1.8	1.7	86.7	86.6
Scotland	1240	7.3	4.2	84.5	1.7	2.3	84.5	0.1	1.5	0.7	85.6	83.5
Singapore	2682	11.3	3.6	81.1	3.6	0.5	81.1	0.0	0.0	0.5	79.9	82.1
Slovenia	952	4.1	2.6	91.2	0.9	1.1	91.2	0.0	0.4	0.8	90.1	92.3
Thailand	1112	28.2	3.3	66.0	1.7	0.8	66.0	0.0	0.0	0.8	63.4	68.7
United States	2735	5.0	3.0	89.0	1.1	1.9	89.0	0.0	0.0	1.8	88.8	89.3
INTERNATIONAL AVG	.	8.7	4.9	82.5	1.9	2.0	82.5	0.1	0.5	1.3	82.2	82.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G06 KEY: D
 Shown diagram of plant, which part takes in the most water? (Life Science)
 Difficulty: 353

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2447	2.9	2.2	4.8	89.3	0.8	89.3	0.0	0.3	0.5	89.6	89.0
Austria	979	1.2	3.6	5.3	89.0	0.9	89.0	0.0	0.2	0.6	87.6	90.8
Canada	3165	2.4	2.8	6.3	87.5	0.9	87.5	0.0	0.4	0.5	89.7	87.2
Cyprus	1264	2.7	1.7	4.7	89.3	1.5	89.3	0.0	0.6	0.9	90.6	88.4
Czech Republic	1213	0.6	1.6	2.5	94.6	0.7	94.6	0.2	0.1	0.4	94.8	94.4
England	1163	4.8	1.8	4.7	88.2	0.5	88.2	0.0	0.1	0.4	88.4	87.9
Greece	1155	4.1	2.5	4.4	87.0	2.0	87.0	0.1	1.0	0.9	88.1	85.9
Hong Kong	1659	3.4	5.8	8.8	80.9	1.1	80.9	0.6	0.1	0.4	81.4	80.8
Hungary	1134	0.7	1.7	3.8	91.4	2.3	91.4	0.0	1.5	0.8	90.1	92.9
Iceland	662	5.1	3.3	2.7	84.9	3.9	84.9	0.0	1.9	2.0	85.8	84.1
Iran, Islamic Rep.	1263	5.3	5.8	8.0	78.5	2.4	78.5	0.1	0.6	1.7	79.7	77.5
Ireland	1103	4.4	2.9	3.8	88.4	0.5	88.4	0.0	0.2	0.3	88.3	88.5
Israel	924	2.9	2.6	3.9	88.3	2.2	88.3	0.3	0.7	1.2	88.1	89.1
Japan	1617	1.4	1.7	6.6	90.1	0.2	90.1	0.0	0.1	0.2	90.2	90.0
Korea	1047	2.2	1.9	3.4	92.1	0.3	92.1	0.0	0.0	0.3	89.7	94.5
Kuwait	1597	8.6	7.7	12.4	66.7	4.5	66.7	0.0	0.8	3.7	73.4	60.4
Latvia (LSS)	827	3.4	2.1	4.1	88.5	1.8	88.5	0.0	0.3	1.6	90.8	86.2
Netherlands	951	4.5	5.1	3.2	86.8	0.4	86.8	0.4	0.0	0.0	88.1	85.2
New Zealand	914	3.0	2.4	4.7	87.8	2.1	87.8	0.0	0.7	1.4	89.2	86.5
Norway	850	4.9	3.3	5.0	83.9	2.9	83.9	0.0	1.6	1.3	81.0	85.5
Portugal	1085	3.3	2.6	6.5	84.0	3.6	84.0	0.0	2.0	1.6	83.4	84.5
Scotland	1240	3.9	2.8	5.4	86.2	1.7	86.2	0.0	1.5	0.2	87.6	84.9
Singapore	2682	3.6	6.7	5.0	84.3	0.3	84.3	0.0	0.0	0.2	84.2	84.4
Slovenia	953	2.9	2.0	7.7	86.2	1.2	86.2	0.1	0.4	0.8	86.5	86.5
Thailand	1112	2.2	2.9	3.3	91.0	0.5	91.0	0.0	0.0	0.5	90.6	91.5
United States	2735	3.2	3.4	4.7	87.6	1.1	87.6	0.0	0.0	1.1	87.7	87.5
INTERNATIONAL AVG	.	3.4	3.2	5.2	86.6	1.6	86.6	0.1	0.6	0.9	87.1	86.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G07 KEY: C
 Shown several diagrams of a tree and its shadow, which shows the shadow at noon? (Earth Science)
 Difficulty: 467

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2447	3.8	3.9	81.2	4.0	5.4	1.7	81.2	0.0	0.4	1.3	76.7	85.5
Austria	979	6.1	1.7	83.5	2.8	4.4	1.5	83.5	0.0	0.2	1.3	80.0	87.2
Canada	3165	7.0	4.9	73.4	5.7	7.9	1.1	73.4	0.0	0.4	0.6	70.4	75.6
Cyprus	1264	11.8	7.4	58.7	8.2	9.6	4.3	58.7	0.5	0.6	3.2	56.3	61.1
Czech Republic	1213	4.2	2.4	85.8	2.9	3.5	1.1	85.8	0.1	0.2	0.8	84.3	87.5
England	1163	6.0	3.1	76.8	4.6	7.8	1.7	76.8	0.0	0.1	1.6	74.9	78.8
Greece	1155	8.4	6.6	62.1	7.8	11.7	3.5	62.1	0.2	1.0	2.3	58.7	65.5
Hong Kong	1660	2.3	2.2	88.3	2.2	4.0	1.0	88.3	0.1	0.1	0.8	86.5	89.9
Hungary	1134	4.2	2.4	83.7	2.7	4.6	2.4	83.7	0.0	1.8	0.6	81.3	86.1
Iceland	662	7.0	10.1	63.6	5.4	8.0	5.8	63.6	0.1	1.9	3.8	59.7	67.7
Iran, Islamic Rep.	1263	17.2	3.5	52.6	4.9	15.8	6.0	52.6	0.5	0.6	4.8	44.1	60.4
Ireland	1103	4.9	5.1	75.4	5.0	8.3	1.4	75.4	0.4	0.2	0.7	70.9	79.8
Israel	924	14.1	8.3	56.2	6.0	11.9	3.6	56.2	0.0	0.9	2.7	56.6	58.3
Japan	1617	2.4	4.0	85.7	4.5	3.1	0.4	85.7	0.0	0.1	0.2	83.2	88.3
Korea	1047	4.9	3.7	82.2	4.1	4.9	0.2	82.2	0.0	0.0	0.2	79.6	84.7
Kuwait	1594	20.0	5.6	44.1	5.7	18.7	6.0	44.1	0.0	0.9	5.0	41.3	46.8
Latvia (LSS)	826	8.0	3.9	73.0	5.0	7.6	2.4	73.0	0.0	0.4	2.1	71.6	74.4
Netherlands	951	6.1	8.3	71.6	5.4	8.2	0.4	71.6	0.4	0.0	0.0	64.8	78.1
New Zealand	914	5.4	4.4	75.3	4.6	7.4	2.9	75.3	0.0	0.7	2.2	73.7	76.8
Norway	850	6.2	4.4	75.2	2.7	8.1	3.5	75.2	0.0	1.6	1.8	71.5	77.8
Portugal	1085	6.5	3.8	68.5	5.4	8.2	7.5	68.5	0.0	2.2	5.3	64.4	72.5
Scotland	1240	6.1	4.4	70.9	7.4	8.1	3.1	70.9	0.2	1.5	1.3	67.9	73.7
Singapore	2682	6.7	5.1	74.8	4.7	8.4	0.2	74.8	0.0	0.0	0.2	72.3	77.0
Slovenia	953	6.2	3.0	82.4	3.1	3.7	1.5	82.4	0.2	0.4	1.0	79.2	85.6
Thailand	1112	5.8	4.7	70.5	6.0	11.9	1.1	70.5	0.0	0.0	1.1	64.2	77.1
United States	2735	6.8	5.1	71.6	6.1	9.0	1.4	71.6	0.1	0.0	1.3	67.4	76.3
INTERNATIONAL AVG	.	7.2	4.7	72.6	4.9	8.1	2.5	72.6	0.1	0.6	1.8	69.3	75.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G08 KEY: A
 Which of the following pictures best shows how an iceberg floats in sea water? (Earth Science)
 Difficulty: 696

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2447	29.3	12.1	28.4	27.0	3.3	29.3	0.0	0.4	2.9	26.7	31.8
Austria	979	31.3	13.3	37.9	14.2	3.3	31.3	0.7	0.2	2.3	31.3	30.8
Canada	3165	29.4	14.7	31.4	22.0	2.6	29.4	0.0	0.4	2.1	27.5	30.4
Cyprus	1263	25.2	12.8	17.2	33.8	11.1	25.2	0.2	0.7	10.2	28.0	22.3
Czech Republic	1213	30.9	14.5	31.9	21.0	1.8	30.9	0.3	0.2	1.3	29.3	32.6
England	1163	29.6	14.0	28.4	25.4	2.6	29.6	0.0	0.1	2.5	26.0	33.3
Greece	1155	20.9	9.6	21.1	39.3	9.1	20.9	0.7	1.0	7.4	26.0	15.8
Hong Kong	1659	12.8	15.1	31.9	34.1	6.0	12.8	0.1	0.1	5.9	14.3	11.6
Hungary	1134	26.4	15.0	28.6	25.1	4.9	26.4	0.0	1.8	3.1	23.2	29.7
Iceland	662	18.4	13.6	31.3	27.7	9.0	18.4	0.5	2.1	6.5	20.1	16.6
Iran, Islamic Rep.	1263	27.4	18.7	12.8	29.9	11.2	27.4	4.2	0.6	6.4	31.7	23.4
Ireland	1103	46.5	10.7	18.2	22.8	1.8	46.5	0.3	0.2	1.3	43.8	49.3
Israel	924	16.3	13.4	14.1	51.9	4.3	16.3	0.7	1.0	2.6	16.9	14.4
Japan	1617	24.1	19.3	49.5	6.2	0.9	24.1	0.0	0.1	0.8	21.6	26.7
Korea	1047	25.7	18.5	44.0	11.1	0.6	25.7	0.0	0.0	0.6	22.2	29.1
Kuwait	1584	15.2	19.2	19.3	29.7	16.6	15.2	0.0	1.3	15.3	19.2	11.4
Latvia (LSS)	827	36.2	11.1	20.7	26.6	5.4	36.2	0.0	0.8	4.6	37.1	35.2
Netherlands	951	27.4	16.2	39.3	16.1	1.0	27.4	0.9	0.0	0.1	23.9	30.8
New Zealand	914	25.1	12.8	30.3	26.5	5.3	25.1	0.0	0.7	4.6	20.2	29.7
Norway	850	20.6	15.8	29.7	26.3	7.6	20.6	0.8	1.6	5.2	21.4	21.0
Portugal	1084	24.3	11.6	13.1	34.2	16.8	24.3	0.0	2.5	14.2	24.4	24.3
Scotland	1240	33.0	12.7	23.3	26.9	4.2	33.0	0.3	1.5	2.4	31.3	34.5
Singapore	2682	31.1	18.4	28.2	21.7	0.7	31.1	0.0	0.0	0.6	32.5	29.8
Slovenia	953	33.2	12.2	29.2	23.1	2.4	33.2	0.1	0.4	1.9	32.2	34.1
Thailand	1112	24.8	15.9	29.3	27.3	2.8	24.8	0.0	0.1	2.7	23.3	26.3
United States	2735	28.3	16.9	31.2	20.5	3.0	28.3	0.1	0.0	2.9	26.4	30.4
INTERNATIONAL AVG	.	26.7	14.5	27.7	25.8	5.3	26.7	0.4	0.7	4.2	26.2	27.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G09 KEY: D
 Which of the following pairs could together cause a rainbow? (Physical Science)
 Difficulty: 357

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2447	2.1	3.1	1.6	90.9	2.3	90.9	0.0	0.4	1.8	92.3	89.6
Austria	979	1.8	3.1	0.7	91.8	2.6	91.8	0.0	0.2	2.3	92.8	91.2
Canada	3165	1.9	2.5	1.1	92.3	2.1	92.3	0.1	0.4	1.6	93.5	90.7
Cyprus	1263	6.5	11.5	3.2	75.6	3.3	75.6	0.0	0.7	2.5	75.7	75.8
Czech Republic	1213	1.7	1.3	0.3	95.0	1.6	95.0	0.1	0.3	1.2	94.2	95.8
England	1163	0.6	2.4	1.4	94.0	1.5	94.0	0.0	0.1	1.4	96.2	91.9
Greece	1155	3.2	10.8	2.4	80.6	3.0	80.6	0.1	1.0	1.9	79.6	81.6
Hong Kong	1659	2.9	2.6	1.9	92.1	0.4	92.1	0.0	0.1	0.3	91.8	92.6
Hungary	1134	0.9	0.9	1.3	93.6	3.3	93.6	0.0	1.9	1.3	94.1	92.9
Iceland	662	2.9	2.8	2.5	85.7	6.0	85.7	1.1	2.2	2.7	85.8	85.6
Iran, Islamic Rep.	1263	18.0	10.8	3.4	64.0	3.7	64.0	1.1	0.7	1.8	65.6	62.5
Ireland	1103	1.2	2.1	0.7	94.9	1.1	94.9	0.1	0.2	0.8	96.6	93.2
Israel	924	4.0	4.0	1.3	86.2	4.5	86.2	0.0	1.0	3.5	89.3	85.5
Japan	1617	6.3	3.3	1.1	88.5	0.8	88.5	0.0	0.3	0.5	88.9	88.0
Korea	1047	2.4	4.4	1.4	91.6	0.2	91.6	0.0	0.0	0.2	91.1	92.1
Kuwait	1593	9.5	15.7	11.8	56.9	6.0	56.9	0.0	1.8	4.2	59.8	54.1
Latvia (LSS)	827	4.0	2.1	1.9	89.7	2.4	89.7	0.0	0.9	1.4	88.7	90.7
Netherlands	951	0.0	0.5	0.6	96.5	2.4	96.5	2.3	0.0	0.1	97.6	95.5
New Zealand	914	1.4	3.8	2.8	87.9	4.1	87.9	0.0	0.7	3.5	90.7	85.1
Norway	850	1.1	1.9	1.6	91.3	4.0	91.3	0.0	2.4	1.6	90.8	91.2
Portugal	1085	7.1	5.7	2.3	79.1	5.8	79.1	0.0	2.8	3.0	81.5	76.7
Scotland	1240	1.8	3.4	1.2	90.6	3.0	90.6	0.1	1.5	1.4	91.7	89.5
Singapore	2682	4.4	6.3	2.8	85.8	0.8	85.8	0.0	0.0	0.7	85.6	85.8
Slovenia	953	1.3	2.3	1.4	93.3	1.6	93.3	0.2	0.5	0.9	93.9	92.6
Thailand	1112	5.3	6.6	5.0	82.0	1.0	82.0	0.0	0.1	0.9	81.9	82.1
United States	2735	1.6	2.3	1.5	91.4	3.3	91.4	0.0	0.1	3.1	92.1	90.6
INTERNATIONAL AVG	.	3.6	4.5	2.2	87.0	2.7	87.0	0.2	0.8	1.7	87.8	86.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H01 KEY: C
 What happens to water when it boils? (Physical Science)
 Difficulty: 424

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2437	3.7	13.1	72.3	10.4	0.4	72.3	0.0	0.0	0.4	71.5	73.2
Austria	1003	0.1	1.9	93.8	3.4	0.8	93.8	0.2	0.0	0.7	93.2	94.7
Canada	3141	6.5	14.2	71.8	6.4	1.2	71.8	0.3	0.0	0.9	70.4	72.2
Cyprus	1274	3.7	3.7	84.6	6.0	2.1	84.6	0.6	0.2	1.2	85.8	83.5
Czech Republic	1232	5.4	8.5	77.7	7.4	1.0	77.7	0.2	0.0	0.8	74.9	80.8
England	1167	2.9	12.0	72.2	11.8	1.2	72.2	0.0	0.2	1.0	70.5	74.1
Greece	1121	2.8	2.8	89.3	3.4	1.7	89.3	0.3	0.3	1.1	88.0	90.8
Hong Kong	1660	6.5	5.4	80.1	6.5	1.6	80.1	0.0	0.0	1.6	81.7	78.8
Hungary	1114	2.5	3.6	85.3	7.3	1.3	85.3	0.0	0.2	1.1	83.4	87.9
Iceland	664	2.3	8.1	76.5	11.7	1.5	76.5	0.0	0.6	0.9	69.5	84.1
Iran, Islamic Rep.	1270	5.7	3.7	81.3	6.1	3.3	81.3	1.6	0.1	1.6	80.5	82.0
Ireland	1071	2.9	13.3	70.0	12.9	0.9	70.0	0.3	0.3	0.2	68.4	71.7
Israel	839	0.8	2.3	92.9	1.9	2.2	92.9	0.1	0.4	1.6	94.1	93.1
Japan	1618	0.7	2.4	94.5	2.3	0.2	94.5	0.0	0.1	0.1	93.7	95.2
Korea	1047	3.2	4.9	83.3	8.5	0.1	83.3	0.0	0.0	0.1	79.0	87.6
Kuwait	1608	4.4	6.8	77.9	7.8	3.1	77.9	0.0	0.9	2.2	82.2	73.9
Latvia (LSS)	828	4.3	6.7	78.7	9.0	1.3	78.7	0.0	0.0	1.3	75.7	81.4
Netherlands	955	0.7	4.7	84.7	9.5	0.4	84.7	0.4	0.0	0.0	82.5	86.9
New Zealand	907	3.9	20.5	63.5	11.4	0.7	63.5	0.0	0.1	0.6	60.8	66.4
Norway	850	1.3	3.6	90.2	3.6	1.2	90.2	0.1	0.1	1.0	91.1	90.1
Portugal	1070	1.7	2.7	89.7	3.8	2.1	89.7	0.0	0.3	1.8	88.6	90.6
Scotland	1238	2.8	16.3	68.3	11.8	0.9	68.3	0.0	0.1	0.7	66.9	69.7
Singapore	2664	2.3	10.5	74.5	11.9	0.7	74.5	0.0	0.0	0.7	71.8	76.8
Slovenia	957	1.2	0.9	94.9	2.5	0.5	94.9	0.1	0.0	0.4	95.9	93.9
Thailand	1063	5.9	3.2	74.5	16.2	0.2	74.5	0.0	0.0	0.2	74.1	74.9
United States	2708	2.0	12.2	82.3	3.0	0.4	82.3	0.0	0.0	0.4	81.0	83.8
INTERNATIONAL AVG	.	3.1	7.2	81.0	7.6	1.2	81.0	0.2	0.2	0.9	79.8	82.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H02 KEY: A
 How can washing your hands help keep you from getting sick? (Life Science)
 Difficulty: 378

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2437	94.4	1.6	2.5	1.0	0.5	94.4	0.0	0.0	0.5	95.3	93.5
Austria	1003	72.1	4.8	18.9	3.0	1.2	72.1	0.5	0.0	0.7	74.6	69.7
Canada	3141	92.0	2.2	3.7	0.9	1.1	92.0	0.2	0.0	0.8	93.0	90.8
Cyprus	1275	83.1	4.4	8.3	2.0	2.1	83.1	0.7	0.5	0.9	85.6	80.7
Czech Republic	1232	84.4	1.9	8.6	4.4	0.8	84.4	0.2	0.0	0.6	83.8	85.1
England	1167	94.5	1.7	1.5	1.5	0.9	94.5	0.0	0.2	0.8	93.8	95.2
Greece	1121	90.3	2.1	3.7	1.5	2.4	90.3	0.5	0.3	1.5	91.6	89.0
Hong Kong	1660	94.7	0.7	2.5	1.2	0.9	94.7	0.0	0.0	0.9	95.4	94.1
Hungary	1114	83.4	2.9	9.5	1.4	2.8	83.4	0.0	0.5	2.4	87.9	78.7
Iceland	664	82.6	5.1	6.6	4.0	1.7	82.6	0.1	0.6	1.0	80.7	84.8
Iran, Islamic Rep.	1270	73.4	11.9	5.7	3.9	5.1	73.4	1.3	0.2	3.5	76.4	70.5
Ireland	1071	91.6	1.9	3.8	1.9	0.8	91.6	0.2	0.3	0.3	93.4	89.8
Israel	839	85.8	2.6	7.3	1.3	2.9	85.8	0.3	1.1	1.5	87.7	84.5
Japan	1618	98.3	0.5	0.9	0.2	0.2	98.3	0.0	0.1	0.1	98.6	97.9
Korea	1047	97.9	0.7	0.7	0.4	0.3	97.9	0.0	0.1	0.2	97.9	97.9
Kuwait	1606	51.2	14.0	19.3	11.3	4.2	51.2	0.0	0.9	3.3	54.9	47.7
Latvia (LSS)	829	81.9	5.6	6.1	4.9	1.5	81.9	0.0	0.2	1.3	87.9	76.3
Netherlands	955	81.8	2.9	12.3	2.4	0.5	81.8	0.5	0.0	0.0	80.2	84.0
New Zealand	907	91.7	2.8	2.1	2.5	0.9	91.7	0.0	0.1	0.8	93.3	90.0
Norway	850	79.0	4.8	6.7	8.1	1.3	79.0	0.0	0.2	1.1	80.8	77.6
Portugal	1070	74.5	7.0	12.3	3.4	2.8	74.5	0.2	0.8	1.7	74.6	74.4
Scotland	1238	93.5	1.4	2.8	1.3	1.0	93.5	0.0	0.3	0.7	94.7	92.3
Singapore	2664	89.7	1.6	4.4	3.7	0.6	89.7	0.0	0.0	0.6	90.4	89.0
Slovenia	957	87.0	5.4	3.9	2.9	0.8	87.0	0.3	0.1	0.4	88.9	85.0
Thailand	1063	72.1	7.4	6.7	13.4	0.4	72.1	0.0	0.0	0.4	75.9	68.3
United States	2708	96.2	1.1	1.3	1.0	0.5	96.2	0.0	0.0	0.4	96.6	95.7
INTERNATIONAL AVG	.	85.3	3.8	6.2	3.2	1.5	85.3	0.2	0.3	1.0	86.7	83.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H03
 Shown diagram with river, draw an arrow showing direction of water flow. (Earth Science)
 Difficulty: 625

COUNTRY	N	10	19	70	71	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
										INVAL ID	REACH ED	OMIT		
Australia	2437	45.0	4.2	19.4	22.4	2.6	1.5	5.0	49.2	0.0	0.0	5.0	45.6	52.8
Austria	1003	43.4	5.2	12.2	18.3	3.3	2.2	15.3	48.6	0.0	0.0	15.3	44.4	53.6
Canada	3141	32.2	7.3	14.6	20.9	15.5	3.4	6.1	39.5	0.0	0.0	6.1	36.4	42.9
Cyprus	1274	34.6	5.0	9.6	12.5	7.6	2.5	28.3	39.5	0.0	0.5	27.8	42.6	36.4
Czech Republic	1231	44.6	9.9	13.6	8.3	10.3	1.8	11.4	54.6	0.0	0.1	11.4	48.3	61.4
England	1167	41.5	6.3	13.1	23.2	6.5	4.1	5.4	47.8	0.0	0.2	5.2	43.3	52.4
Greece	1121	35.9	10.9	11.4	6.0	10.7	3.5	21.5	46.8	0.0	0.3	21.2	47.0	46.6
Hong Kong	1643	41.2	6.3	12.0	18.7	6.4	1.4	13.9	47.5	0.0	0.0	13.9	40.6	53.3
Hungary	1114	30.3	6.1	6.2	11.2	20.3	5.7	20.2	36.4	0.0	0.5	19.7	33.4	39.5
Iceland	664	30.3	23.4	8.4	13.1	13.5	1.0	10.4	53.7	0.0	0.7	9.6	54.7	52.6
Iran, Islamic Rep.	1270	6.8	6.1	6.1	14.9	13.3	9.5	43.2	12.9	0.0	0.4	42.8	11.9	13.8
Ireland	1071	36.2	6.6	12.2	25.1	8.1	5.6	6.3	42.8	0.0	0.4	5.9	39.9	45.7
Israel	839	35.5	5.9	8.1	18.0	10.8	4.8	16.9	41.5	0.0	1.1	15.8	40.7	43.7
Japan	1618	48.5	1.5	7.0	30.6	2.5	2.4	7.5	49.9	0.0	0.1	7.5	49.4	50.4
Korea	1047	59.4	6.2	13.8	7.7	8.0	4.1	0.8	65.6	0.0	0.1	0.7	60.7	70.5
Kuwait	1575	12.8	0.9	9.6	12.7	6.4	0.0	57.6	13.7	1.4	1.0	55.2	15.1	12.4
Latvia (LSS)	829	53.5	4.8	12.8	9.6	6.1	1.3	11.9	58.3	0.0	0.2	11.7	58.4	58.2
Netherlands	955	33.4	13.2	15.8	19.2	13.7	2.2	2.5	46.6	0.0	0.0	2.5	37.0	57.6
New Zealand	907	32.0	2.3	14.2	28.4	15.9	1.0	6.2	34.4	0.0	0.1	6.1	31.5	37.3
Norway	850	57.3	0.7	7.2	20.4	6.4	1.0	6.9	58.0	0.0	0.2	6.6	51.4	64.3
Portugal	1070	35.1	4.0	14.8	21.4	3.7	1.6	19.3	39.1	0.0	1.0	18.3	36.9	41.2
Scotland	1238	19.5	21.4	12.4	28.2	9.1	2.1	7.3	40.9	0.0	0.3	7.0	39.6	42.2
Singapore	2664	39.7	0.2	23.8	26.7	4.2	1.5	4.0	39.9	0.0	0.0	4.0	40.1	39.6
Slovenia	957	44.8	12.6	8.3	11.3	8.0	3.0	11.9	57.4	0.0	0.1	11.7	54.2	59.8
Thailand	1063	6.0	26.3	13.3	13.5	14.3	0.3	26.2	32.4	0.0	0.0	26.2	33.0	31.7
United States	2708	41.2	0.3	20.8	23.3	3.1	2.6	8.7	41.5	0.0	0.0	8.6	38.4	44.9
INTERNATIONAL AVG	.	36.2	7.6	12.3	17.9	8.9	2.7	14.4	43.8	0.1	0.3	14.1	41.3	46.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: H04 KEY: A
 Which of the following will most likely affect your adult height? (Life Science)
 Difficulty: 610

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2437	47.9	7.1	3.4	40.4	1.2	47.9	0.0	0.0	1.1	49.9	45.8
Austria	1003	53.3	6.5	4.2	32.6	3.5	53.3	0.4	0.1	3.0	52.3	54.4
Canada	3141	44.7	6.0	2.9	44.9	1.5	44.7	0.1	0.1	1.3	46.0	42.1
Cyprus	1275	30.8	13.5	3.1	48.4	4.3	30.8	0.6	0.6	3.1	30.5	31.0
Czech Republic	1232	47.9	4.3	3.3	43.0	1.4	47.9	0.2	0.3	0.9	48.8	47.0
England	1167	44.6	7.4	2.9	44.3	0.8	44.6	0.0	0.2	0.6	47.4	41.7
Greece	1121	49.9	9.9	3.6	31.9	4.7	49.9	0.9	0.3	3.4	51.7	48.0
Hong Kong	1652	50.3	5.0	2.4	41.2	1.2	50.3	0.2	0.0	1.0	48.7	51.5
Hungary	1114	45.2	2.6	1.3	48.0	2.8	45.2	0.0	0.6	2.2	42.5	47.9
Iceland	664	45.5	5.7	2.7	42.9	3.3	45.5	0.4	1.2	1.8	46.4	44.4
Iran, Islamic Rep.	1270	35.5	7.7	6.1	46.7	4.0	35.5	0.9	0.4	2.7	32.0	39.0
Ireland	1071	35.2	7.0	3.3	53.1	1.4	35.2	0.3	0.4	0.7	36.7	33.7
Israel	839	40.3	5.6	1.6	48.7	3.8	40.3	0.4	1.3	2.2	40.5	40.5
Japan	1618	27.7	8.0	1.6	62.7	0.1	27.7	0.0	0.1	0.1	26.6	28.7
Korea	1047	14.1	9.6	5.1	70.8	0.4	14.1	0.0	0.1	0.3	11.7	16.5
Kuwait	1608	15.5	17.5	8.1	54.6	4.3	15.5	0.0	1.2	3.2	13.8	17.0
Latvia (LSS)	829	49.0	7.9	4.8	34.6	3.7	49.0	0.0	0.2	3.5	51.9	46.3
Netherlands	955	64.4	8.4	2.1	24.5	0.7	64.4	0.7	0.0	0.0	65.8	63.9
New Zealand	907	44.1	8.5	3.5	42.7	1.2	44.1	0.0	0.1	1.1	43.4	44.7
Norway	850	58.4	7.6	2.5	28.4	3.1	58.4	0.2	0.2	2.6	59.9	57.1
Portugal	1070	53.3	7.9	5.2	29.1	4.5	53.3	0.0	1.1	3.4	51.1	55.5
Scotland	1238	38.3	8.7	3.7	47.9	1.3	38.3	0.2	0.4	0.7	41.7	34.8
Singapore	2664	36.4	11.0	7.9	44.1	0.6	36.4	0.0	0.0	0.6	37.1	35.7
Slovenia	957	57.0	6.6	3.0	31.1	2.2	57.0	0.4	0.2	1.6	57.6	56.1
Thailand	1062	28.4	11.2	8.8	50.6	0.9	28.4	0.0	0.0	0.9	25.0	31.9
United States	2708	41.0	5.0	1.7	52.0	0.4	41.0	0.0	0.0	0.4	40.1	41.9
INTERNATIONAL AVG	.	42.3	7.9	3.8	43.8	2.2	42.3	0.2	0.3	1.6	42.3	42.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N01 KEY: B
 Given temperatures and precipitation (table) in four towns, where could it have snowed? (Earth Science)
 Difficulty: 632

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	816	7.9	46.5	18.4	23.0	4.2	46.5	0.0	0.0	4.2	45.6	47.4
Austria	326	3.1	51.7	16.4	19.3	9.6	51.7	7.7	0.5	1.5	51.1	52.9
Canada	1049	4.5	46.9	26.0	15.4	7.3	46.9	6.5	0.0	0.8	47.1	46.6
Cyprus	385	10.8	31.9	29.8	18.3	9.1	31.9	5.7	0.3	3.1	29.4	34.2
Czech Republic	412	2.4	59.9	12.7	20.7	4.2	59.9	2.6	0.0	1.6	60.0	59.7
England	383	9.9	31.9	31.2	12.6	14.4	31.9	0.0	0.0	14.4	28.5	36.0
Greece	394	8.9	29.7	22.5	27.2	11.8	29.7	4.8	0.6	6.4	32.0	27.2
Hong Kong	558	4.1	62.6	9.6	19.0	4.7	62.6	3.2	0.0	1.6	67.0	58.0
Hungary	380	3.4	48.6	17.3	19.7	10.9	48.6	0.0	0.4	10.4	49.6	47.3
Iceland	231	9.5	36.3	37.0	8.5	8.8	36.3	3.0	0.5	5.2	28.2	44.4
Iran, Islamic Rep.	424	11.3	30.8	35.1	12.2	10.6	30.8	1.5	0.4	8.7	29.0	32.4
Ireland	354	5.3	38.1	40.1	8.5	8.1	38.1	7.8	0.0	0.3	33.6	42.9
Israel	304	11.1	43.6	15.7	22.9	6.8	43.6	3.8	2.0	1.0	39.9	47.5
Japan	536	1.1	68.8	24.3	5.3	0.6	68.8	0.6	0.0	0.0	70.0	67.5
Korea	359	3.4	56.2	28.9	10.9	0.5	56.2	0.0	0.0	0.5	48.7	63.2
Kuwait	546	14.9	27.2	36.0	15.9	5.9	27.2	0.0	0.4	5.6	20.6	33.5
Latvia (LSS)	280	6.0	47.8	26.4	10.9	8.9	47.8	0.0	0.4	8.5	43.6	51.5
Netherlands	310	3.3	60.4	13.8	17.2	5.4	60.4	4.2	0.0	1.2	60.6	59.7
New Zealand	295	7.2	39.1	28.9	17.1	7.6	39.1	0.0	1.5	6.1	37.9	40.5
Norway	275	6.5	44.2	23.2	14.3	11.7	44.2	7.0	0.5	4.2	44.0	43.4
Portugal	353	8.1	26.1	36.0	15.9	13.9	26.1	0.0	1.5	12.4	26.0	26.3
Scotland	407	6.8	31.5	40.4	11.8	9.6	31.5	8.4	0.3	0.9	24.2	38.2
Singapore	911	9.3	40.7	19.8	28.3	1.9	40.7	0.0	0.0	1.9	42.2	39.5
Slovenia	319	5.2	55.2	14.8	17.0	7.8	55.2	6.4	0.0	1.5	54.6	56.1
Thailand	414	15.5	27.4	44.3	11.7	1.1	27.4	0.0	0.0	1.1	28.1	26.7
United States	904	2.5	54.2	23.7	15.7	3.9	54.2	1.3	0.0	2.6	54.0	54.3
INTERNATIONAL AVG	.	7.0	43.7	25.9	16.1	7.3	43.7	2.9	0.4	4.1	42.1	45.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N02 KEY: D
 Which of the following refers only to living things? (Life Science)
 Difficulty: 475

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	816	4.8	4.9	8.7	75.2	4.5	1.9	75.2	0.0	0.0	1.9	76.0	74.2
Austria	326	2.0	0.7	7.5	85.6	1.6	2.7	85.6	0.9	0.5	1.3	88.0	83.7
Canada	1049	3.5	3.7	13.8	73.3	4.1	1.6	73.3	0.4	0.0	1.2	77.6	69.1
Cyprus	385	4.9	5.5	21.9	59.6	3.5	4.7	59.6	1.1	0.6	3.0	59.4	59.8
Czech Republic	412	3.3	2.3	3.9	84.4	1.7	4.4	84.4	3.3	0.0	1.1	86.4	82.4
England	383	2.2	2.3	12.4	79.2	2.9	1.0	79.2	0.0	0.0	1.0	82.3	75.5
Greece	394	5.7	5.6	10.9	64.9	4.0	9.1	64.9	1.3	0.6	7.1	61.1	68.7
Hong Kong	559	4.5	2.9	9.9	77.2	3.2	2.3	77.2	0.9	0.0	1.5	77.4	76.9
Hungary	380	0.5	1.4	19.9	71.1	3.2	4.0	71.1	0.0	0.4	3.6	76.6	66.1
Iceland	231	4.2	6.0	13.7	68.5	5.6	2.0	68.5	0.0	0.5	1.6	67.1	69.8
Iran, Islamic Rep.	424	8.4	7.6	19.6	47.1	10.0	7.3	47.1	0.9	0.4	6.1	48.5	45.7
Ireland	354	2.5	2.0	5.3	85.2	3.9	1.2	85.2	1.2	0.0	0.0	85.8	84.5
Israel	304	5.5	2.8	5.9	78.1	3.3	4.4	78.1	0.6	2.0	1.8	80.4	76.7
Japan	536	1.3	0.3	3.7	94.0	0.7	0.0	94.0	0.0	0.0	0.0	95.1	92.8
Korea	359	1.8	0.5	4.6	91.5	1.6	0.0	91.5	0.0	0.0	0.0	92.4	90.6
Kuwait	546	6.3	5.6	12.1	60.1	8.9	7.0	60.1	0.0	0.7	6.3	68.0	52.6
Latvia (LSS)	280	10.3	4.4	13.2	64.6	5.0	2.4	64.6	0.0	0.4	1.9	65.6	63.8
Netherlands	310	3.9	0.9	3.3	87.7	1.9	2.4	87.7	1.2	0.0	1.2	84.9	90.1
New Zealand	295	4.8	4.2	14.1	65.8	5.6	5.5	65.8	0.0	1.5	4.1	64.9	66.9
Norway	275	10.9	2.9	19.4	60.8	3.0	3.0	60.8	0.8	0.5	1.7	57.9	63.3
Portugal	353	2.5	4.5	13.9	70.0	2.6	6.5	70.0	0.0	1.5	5.0	75.4	63.3
Scotland	407	3.4	2.4	8.9	79.4	3.2	2.7	79.4	0.6	0.3	1.7	82.8	75.7
Singapore	911	5.4	6.9	5.6	77.6	3.7	0.9	77.6	0.0	0.0	0.9	76.8	78.2
Slovenia	319	3.1	3.0	8.0	83.9	1.2	1.0	83.9	0.2	0.0	0.8	83.4	83.9
Thailand	414	4.4	2.8	11.0	77.1	3.8	0.9	77.1	0.0	0.0	0.9	81.9	72.6
United States	904	4.0	4.5	11.7	73.6	3.7	2.5	73.6	0.2	0.0	2.3	75.2	72.2
INTERNATIONAL AVG	.	4.4	3.5	10.9	74.4	3.7	3.1	74.4	0.5	0.4	2.2	75.8	73.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N03 KEY: B
 Which of the following Celsius measures is closest to your temperature when you are not sick? (Life Science)
 Difficulty: 620

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	816	43.0	42.6	7.6	4.5	2.3	42.6	0.0	0.0	2.3	44.4	40.8
Austria	326	36.6	57.7	1.5	1.7	2.5	57.7	0.0	0.5	2.0	59.6	56.2
Canada	1049	36.0	37.4	20.2	5.3	1.1	37.4	0.1	0.0	1.0	42.2	34.3
Cyprus	385	44.4	33.5	7.6	7.6	6.9	33.5	0.0	0.6	6.3	33.1	33.9
Czech Republic	412	37.0	59.7	1.1	0.7	1.6	59.7	1.0	0.0	0.6	59.2	60.1
England	383	39.5	30.7	21.5	6.6	1.6	30.7	0.0	0.0	1.6	28.7	33.2
Greece	394	41.4	42.3	2.1	4.5	9.8	42.3	0.4	0.6	8.8	42.9	41.7
Hong Kong	559	18.0	58.5	19.1	4.1	0.3	58.5	0.0	0.0	0.3	59.4	57.6
Hungary	380	53.5	42.2	1.1	0.1	3.1	42.2	0.0	0.4	2.6	40.0	44.9
Iceland	231	33.8	57.4	4.6	2.2	2.0	57.4	0.0	0.5	1.6	50.6	64.1
Iran, Islamic Rep.	424	35.6	17.4	20.1	16.4	10.5	17.4	1.1	0.4	9.1	15.0	19.5
Ireland	354	31.2	27.2	31.9	8.9	0.8	27.2	0.4	0.0	0.5	25.3	29.4
Israel	304	42.4	43.8	4.1	5.0	4.7	43.8	0.0	2.3	2.3	45.2	41.8
Japan	536	23.4	74.1	0.9	1.2	0.4	74.1	0.0	0.0	0.4	72.2	76.0
Korea	359	35.9	58.0	5.1	1.0	0.0	58.0	0.0	0.0	0.0	52.9	62.7
Kuwait	546	22.9	57.0	10.4	5.4	4.3	57.0	0.0	0.9	3.4	58.1	56.1
Latvia (LSS)	280	38.1	50.4	3.8	3.0	4.7	50.4	0.0	0.4	4.3	50.1	50.6
Netherlands	310	26.0	69.8	1.9	1.1	1.2	69.8	0.0	0.0	1.2	66.4	73.3
New Zealand	295	38.9	32.0	17.0	7.5	4.7	32.0	0.0	1.5	3.2	34.1	29.5
Norway	275	36.8	53.7	2.7	0.5	6.3	53.7	0.0	0.5	5.8	52.5	54.4
Portugal	353	43.9	39.6	4.0	6.5	6.0	39.6	0.0	1.5	4.5	42.8	35.6
Scotland	407	35.0	32.3	20.7	8.5	3.5	32.3	0.2	0.3	3.0	31.2	33.0
Singapore	911	20.7	71.3	5.6	1.6	0.7	71.3	0.0	0.0	0.7	72.6	70.2
Slovenia	319	33.2	59.3	3.3	2.7	1.6	59.3	0.5	0.0	1.1	61.2	57.5
Thailand	414	37.0	28.5	23.2	10.1	1.3	28.5	0.0	0.0	1.3	24.8	32.1
United States	904	26.8	61.6	5.4	4.2	2.0	61.6	0.0	0.0	2.0	59.3	63.8
INTERNATIONAL AVG	.	35.0	47.6	9.5	4.7	3.2	47.6	0.1	0.4	2.7	47.1	48.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N04 KEY: D
 Shown picture of block of wood floating in fresh water, select picture of block in salt water. (Physical Science)
 Difficulty: 665

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	816	30.8	11.4	23.7	32.0	2.1	32.0	0.0	0.0	2.1	28.4	35.2
Austria	326	25.1	6.7	23.4	42.6	2.1	42.6	0.4	0.5	1.3	39.2	44.5
Canada	1049	35.3	15.6	11.7	35.9	1.5	35.9	0.1	0.1	1.3	26.6	43.3
Cyprus	385	25.5	13.1	13.2	36.6	11.7	36.6	0.0	0.6	11.1	30.4	42.3
Czech Republic	411	29.2	6.7	21.7	34.7	7.6	34.7	2.0	0.6	5.0	30.8	38.8
England	383	41.7	14.3	11.7	29.1	3.2	29.1	0.0	0.0	3.2	25.3	33.7
Greece	394	33.0	6.9	12.2	32.4	15.6	32.4	0.2	0.6	14.8	27.1	37.9
Hong Kong	559	29.5	11.0	14.5	43.9	1.1	43.9	0.0	0.0	1.1	37.2	50.7
Hungary	380	41.8	10.3	19.0	24.1	4.7	24.1	0.0	0.6	4.1	17.7	30.0
Iceland	230	39.7	11.4	12.4	29.1	7.5	29.1	0.0	0.5	7.0	19.7	38.6
Iran, Islamic Rep.	424	32.7	10.6	19.4	19.7	17.6	19.7	1.1	0.4	16.2	18.8	20.5
Ireland	354	42.6	8.9	11.4	34.5	2.5	34.5	0.6	0.0	1.9	30.4	38.8
Israel	304	32.8	11.5	13.0	38.2	4.5	38.2	0.0	2.7	1.8	32.1	41.0
Japan	536	27.4	18.2	17.6	36.7	0.0	36.7	0.0	0.0	0.0	33.1	40.3
Korea	359	20.6	10.3	15.5	53.5	0.0	53.5	0.0	0.0	0.0	50.5	56.4
Kuwait	546	28.6	10.8	14.3	33.2	13.1	33.2	0.0	1.1	12.1	29.7	36.6
Latvia (LSS)	280	34.6	10.0	24.8	26.5	4.2	26.5	0.0	1.1	3.1	26.1	26.7
Netherlands	310	35.5	11.2	14.4	31.1	7.8	31.1	6.6	0.0	1.2	22.4	39.5
New Zealand	295	34.0	11.7	14.3	33.6	6.4	33.6	0.0	1.5	4.9	32.2	35.3
Norway	275	34.1	7.9	11.2	41.5	5.4	41.5	0.3	0.9	4.2	33.6	48.1
Portugal	353	40.1	8.7	15.2	20.0	16.0	20.0	0.0	1.5	14.4	19.1	21.0
Scotland	407	35.7	16.1	12.6	30.7	5.0	30.7	0.3	0.5	4.2	29.7	32.1
Singapore	911	33.1	13.7	13.0	39.6	0.7	39.6	0.0	0.0	0.7	38.3	40.6
Slovenia	319	22.0	8.9	18.7	45.6	4.7	45.6	0.4	0.0	4.3	45.5	45.6
Thailand	414	27.1	20.1	25.6	24.0	3.2	24.0	0.0	0.0	3.2	20.4	27.5
United States	904	37.5	13.5	14.4	31.3	3.3	31.3	0.0	0.0	3.3	35.6	27.4
INTERNATIONAL AVG	.	32.7	11.5	16.1	33.8	5.8	33.8	0.5	0.5	4.9	30.0	37.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N05 KEY: E
 Shown drawing of a bird's webbed foot, where would you be most likely to find such a bird? (Life Science)
 Difficulty: 468

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	816	14.3	3.2	4.4	1.8	75.6	0.7	75.6	0.0	0.0	0.7	74.3	76.6
Austria	326	7.6	4.0	4.9	2.7	80.0	0.7	80.0	0.0	0.5	0.3	76.4	83.4
Canada	1049	12.9	6.5	3.4	2.1	74.7	0.3	74.7	0.1	0.1	0.1	72.3	77.6
Cyprus	385	10.1	6.7	10.0	1.1	69.3	2.8	69.3	1.0	1.2	0.5	68.2	70.2
Czech Republic	412	3.6	6.3	5.8	0.7	82.9	0.8	82.9	0.0	0.6	0.2	80.4	85.5
England	383	15.5	4.8	5.4	2.9	71.0	0.4	71.0	0.0	0.2	0.2	69.6	72.7
Greece	394	6.6	2.8	5.1	1.5	82.0	2.0	82.0	0.8	0.6	0.7	82.5	81.4
Hong Kong	559	19.9	13.0	7.1	3.1	56.5	0.4	56.5	0.2	0.0	0.2	46.6	66.7
Hungary	380	9.5	6.8	2.6	1.2	75.7	4.2	75.7	0.0	0.6	3.7	77.1	75.4
Iceland	231	8.6	4.6	1.7	2.0	81.3	1.9	81.3	0.0	0.9	0.9	85.5	77.0
Iran, Islamic Rep.	424	26.4	4.6	4.4	4.1	56.5	3.9	56.5	1.1	0.7	2.2	46.4	65.7
Ireland	354	11.9	4.6	5.0	1.9	76.4	0.2	76.4	0.0	0.0	0.2	79.3	73.3
Israel	304	11.4	4.3	5.1	2.5	73.2	3.5	73.2	0.8	2.7	0.0	75.4	72.4
Japan	536	19.2	3.0	2.9	3.6	71.3	0.0	71.3	0.0	0.0	0.0	69.2	73.5
Korea	359	5.1	4.0	1.2	1.2	88.5	0.0	88.5	0.0	0.0	0.0	84.5	92.2
Kuwait	546	14.3	6.2	6.2	7.7	63.0	2.6	63.0	0.0	1.6	0.9	61.1	64.8
Latvia (LSS)	280	4.3	8.2	4.6	4.0	77.1	1.8	77.1	0.0	1.1	0.7	81.1	73.7
Netherlands	310	5.1	7.4	1.2	0.5	83.4	2.4	83.4	1.2	0.0	1.2	75.8	91.5
New Zealand	295	24.0	2.8	3.3	1.2	66.5	2.1	66.5	0.0	1.5	0.6	65.6	67.6
Norway	275	10.7	1.6	4.4	1.1	80.2	1.9	80.2	0.2	0.9	0.8	77.8	82.1
Portugal	353	13.1	8.5	15.1	3.9	56.4	3.0	56.4	0.0	1.5	1.5	56.4	56.4
Scotland	407	17.2	4.8	7.1	2.6	67.7	0.6	67.7	0.1	0.5	0.0	69.1	66.2
Singapore	911	20.2	11.7	4.1	6.9	56.7	0.5	56.7	0.0	0.0	0.5	52.2	60.5
Slovenia	319	8.1	2.8	5.9	12.3	70.7	0.3	70.7	0.3	0.0	0.0	66.6	74.3
Thailand	414	30.0	17.6	8.4	13.6	29.4	0.9	29.4	0.0	0.0	0.9	29.4	29.4
United States	904	14.5	7.5	5.1	3.1	68.2	1.6	68.2	0.0	0.0	1.6	67.0	69.2
INTERNATIONAL AVG	.	13.2	6.1	5.2	3.4	70.5	1.5	70.5	0.2	0.6	0.7	68.8	72.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N06 KEY: D
 Where does a baby chick get its food while inside an egg? (Life Science)
 Difficulty: 625

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	816	16.0	17.9	6.6	43.9	13.3	2.1	43.9	0.0	0.2	1.9	40.9	46.5
Austria	326	8.7	16.3	1.1	62.1	10.3	1.6	62.1	0.0	0.5	1.1	60.2	62.8
Canada	1049	17.8	21.9	8.8	41.0	9.7	0.8	41.0	0.0	0.1	0.7	43.3	38.7
Cyprus	385	38.1	12.2	6.7	27.1	12.6	3.4	27.1	0.0	1.2	2.1	26.5	27.7
Czech Republic	412	18.5	20.7	14.7	33.9	10.4	1.8	33.9	0.5	0.6	0.7	33.4	34.4
England	383	18.9	17.0	8.2	39.7	15.7	0.5	39.7	0.0	0.2	0.3	38.6	41.1
Greece	394	29.2	4.7	3.0	46.6	10.8	5.7	46.6	0.8	0.9	4.0	46.0	47.2
Hong Kong	559	28.9	23.7	7.7	34.6	4.5	0.7	34.6	0.0	0.0	0.7	31.0	38.5
Hungary	380	16.7	25.7	9.1	39.1	6.7	2.8	39.1	0.0	0.9	1.9	37.5	39.9
Iceland	231	16.9	10.1	11.2	47.6	11.3	2.8	47.6	0.5	0.9	1.4	44.3	50.9
Iran, Islamic Rep.	424	23.2	22.0	6.7	33.3	8.9	5.9	33.3	1.1	0.7	4.0	30.5	35.9
Ireland	354	15.9	15.7	9.9	36.6	20.9	0.9	36.6	0.0	0.0	0.9	38.5	34.5
Israel	304	33.2	19.1	10.4	28.5	5.1	3.6	28.5	0.0	2.7	0.9	26.1	33.2
Japan	536	12.4	4.9	5.6	66.7	10.3	0.0	66.7	0.0	0.0	0.0	71.7	61.8
Korea	359	3.1	2.2	10.3	72.1	12.3	0.0	72.1	0.0	0.0	0.0	71.3	72.8
Kuwait	546	20.4	11.9	14.8	33.6	12.9	6.3	33.6	0.0	1.6	4.7	36.2	31.2
Latvia (LSS)	280	17.6	23.7	3.5	41.1	12.0	2.0	41.1	0.0	1.1	1.0	43.7	39.0
Netherlands	310	9.4	13.7	3.9	54.8	16.6	1.5	54.8	0.3	0.0	1.2	50.8	58.7
New Zealand	295	14.2	10.6	9.3	49.8	13.1	3.0	49.8	0.0	1.5	1.6	51.3	48.0
Norway	275	7.8	28.9	9.1	37.4	12.1	4.7	37.4	0.6	1.5	2.6	43.6	29.7
Portugal	353	40.6	10.9	7.9	28.3	8.6	3.7	28.3	0.0	1.5	2.2	27.7	29.2
Scotland	407	17.0	19.7	10.5	36.2	15.6	1.0	36.2	0.0	0.5	0.5	34.9	37.3
Singapore	911	18.3	23.4	11.0	39.6	7.0	0.7	39.6	0.0	0.1	0.6	37.0	41.8
Slovenia	319	13.2	8.5	2.8	60.1	14.8	0.7	60.1	0.0	0.0	0.7	59.9	62.0
Thailand	414	16.0	23.4	11.5	36.0	11.9	1.2	36.0	0.0	0.0	1.2	36.8	35.2
United States	904	14.5	18.6	10.5	44.5	9.7	2.2	44.5	0.0	0.0	2.2	44.8	44.1
INTERNATIONAL AVG	.	18.7	16.4	8.3	42.9	11.4	2.3	42.9	0.1	0.6	1.5	42.6	43.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N07 KEY: A
 Where does Keisha get the energy to push her bicycle uphill? (Physical Science)
 Difficulty: 571

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	816	59.4	28.2	3.8	7.7	1.0	59.4	0.0	0.2	0.7	55.7	62.9
Austria	326	65.5	20.1	7.8	4.8	1.7	65.5	0.7	0.6	0.4	64.7	67.0
Canada	1049	63.1	22.7	5.8	8.1	0.3	63.1	0.1	0.1	0.1	62.5	64.2
Cyprus	385	29.5	27.8	22.4	18.5	1.9	29.5	0.0	1.2	0.6	29.4	29.5
Czech Republic	411	54.0	29.7	9.3	6.1	0.9	54.0	0.0	0.6	0.3	51.2	56.9
England	383	60.6	26.6	3.6	8.7	0.5	60.6	0.0	0.2	0.2	58.2	63.6
Greece	394	31.1	36.7	17.9	10.0	4.3	31.1	1.0	0.9	2.5	32.0	30.1
Hong Kong	559	53.5	7.5	13.6	24.7	0.7	53.5	0.3	0.0	0.4	50.0	57.1
Hungary	380	41.9	40.9	9.5	4.1	3.6	41.9	0.0	0.9	2.7	39.6	43.9
Iceland	231	69.5	14.1	3.3	10.1	3.0	69.5	0.7	1.1	1.2	71.8	67.3
Iran, Islamic Rep.	424	47.1	39.8	3.1	5.4	4.6	47.1	0.9	0.7	2.9	40.2	53.4
Ireland	354	52.2	36.0	5.0	6.1	0.6	52.2	0.0	0.0	0.6	53.0	51.4
Israel	304	51.8	13.9	14.5	16.5	3.3	51.8	0.3	3.0	0.0	49.8	55.1
Japan	536	62.8	17.6	9.1	10.1	0.4	62.8	0.2	0.0	0.2	61.7	63.9
Korea	359	65.0	15.5	10.6	8.5	0.3	65.0	0.0	0.0	0.3	55.0	74.4
Kuwait	546	32.0	22.7	23.8	17.5	4.0	32.0	0.0	2.0	2.0	33.8	30.3
Latvia (LSS)	280	44.0	34.4	12.4	7.5	1.7	44.0	0.0	1.1	0.7	44.9	43.2
Netherlands	310	69.6	12.8	7.2	9.1	1.3	69.6	0.4	0.0	0.9	62.5	76.3
New Zealand	295	50.3	34.2	5.2	6.9	3.4	50.3	0.0	1.5	1.9	49.9	50.8
Norway	275	60.6	19.8	5.5	8.8	5.2	60.6	1.6	1.7	1.9	57.9	61.7
Portugal	353	44.2	31.2	7.5	13.3	3.8	44.2	0.0	1.5	2.3	46.3	41.5
Scotland	407	50.7	35.5	3.8	9.5	0.6	50.7	0.0	0.5	0.1	51.1	49.9
Singapore	911	63.9	16.4	9.1	10.2	0.4	63.9	0.0	0.1	0.3	60.8	66.4
Slovenia	319	45.9	34.7	7.6	10.3	1.5	45.9	0.4	0.0	1.1	49.3	41.9
Thailand	414	24.5	41.6	15.7	17.2	0.9	24.5	0.0	0.0	0.9	23.4	25.6
United States	904	60.4	19.1	8.0	10.9	1.6	60.4	0.0	0.0	1.6	59.5	61.2
INTERNATIONAL AVG	.	52.0	26.1	9.4	10.4	2.0	52.0	0.2	0.7	1.0	50.5	53.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N08 KEY: C

What is a powder made up of both white specks and black specks is likely to be? (mixture) (Physical Science)

Difficulty: 534

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	816	6.5	7.7	74.9	7.8	3.1	74.9	0.0	0.2	2.9	72.3	77.3
Austria	326	3.3	5.3	77.3	12.2	1.9	77.3	0.0	0.6	1.3	77.4	77.9
Canada	1049	6.6	8.7	72.9	9.6	2.2	72.9	0.0	0.1	2.1	75.4	70.2
Cyprus	385	9.6	20.9	53.2	10.8	5.5	53.2	0.4	1.2	3.9	57.3	49.5
Czech Republic	411	8.4	20.9	54.2	13.6	2.9	54.2	0.6	0.6	1.7	57.9	50.3
England	383	5.1	6.6	74.7	10.0	3.6	74.7	0.0	0.5	3.1	78.8	69.8
Greece	394	8.2	29.5	42.0	7.6	12.6	42.0	0.8	0.9	11.0	44.0	40.0
Hong Kong	559	7.4	16.0	48.3	27.3	1.0	48.3	0.1	0.0	0.9	49.5	47.2
Hungary	380	10.9	4.5	76.9	2.9	4.7	76.9	0.0	1.3	3.5	75.5	78.6
Iceland	231	12.8	14.6	35.1	30.5	7.0	35.1	0.0	1.4	5.6	37.3	33.0
Iran, Islamic Rep.	424	25.1	10.1	35.5	17.6	11.7	35.5	0.9	0.7	10.1	33.5	37.3
Ireland	354	3.9	7.9	78.4	7.6	2.0	78.4	0.0	0.0	2.0	81.4	75.2
Israel	304	13.9	9.9	55.1	15.7	5.5	55.1	0.0	3.0	2.5	56.9	52.1
Japan	536	13.6	29.6	42.3	13.1	1.4	42.3	0.2	0.0	1.2	44.1	40.5
Korea	359	4.6	9.7	82.6	2.8	0.4	82.6	0.0	0.0	0.4	80.1	84.9
Kuwait	546	18.0	13.2	46.9	14.8	7.1	46.9	0.0	2.3	4.8	49.7	44.3
Latvia (LSS)	280	19.6	10.1	60.8	6.8	2.6	60.8	0.0	1.1	1.5	65.5	56.7
Netherlands	310	7.1	2.9	84.6	3.8	1.7	84.6	1.1	0.0	0.6	86.5	83.3
New Zealand	295	6.9	8.4	67.2	12.8	4.7	67.2	0.0	2.0	2.7	68.0	66.3
Norway	275	7.5	10.7	52.0	19.9	9.9	52.0	0.2	1.7	7.9	55.4	49.8
Portugal	353	8.4	7.9	60.8	13.9	9.1	60.8	0.0	2.7	6.3	65.5	55.0
Scotland	407	8.0	8.5	69.6	10.3	3.6	69.6	0.0	0.6	3.0	71.3	67.7
Singapore	911	8.1	8.3	70.7	12.1	0.8	70.7	0.0	0.1	0.7	74.2	67.9
Slovenia	319	16.6	9.2	61.4	9.4	3.3	61.4	0.3	0.0	3.0	62.2	60.9
Thailand	414	28.6	20.7	29.8	19.6	1.3	29.8	0.0	0.0	1.3	30.6	29.1
United States	904	7.7	9.4	70.7	8.4	3.9	70.7	0.0	0.0	3.9	75.9	66.0
INTERNATIONAL AVG	.	10.6	12.0	60.7	12.3	4.4	60.7	0.2	0.8	3.4	62.5	58.9

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: N09 KEY: A
 Shown diagrams of various boxes on scales, which has the least mass? (Physical Science)
 Difficulty: 529

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	816	64.4	13.5	16.3	5.4	0.5	64.4	0.0	0.3	0.2	64.2	64.4
Austria	326	49.5	23.1	20.8	4.6	2.0	49.5	0.0	0.6	1.4	41.5	56.0
Canada	1049	69.7	13.3	13.3	3.3	0.3	69.7	0.0	0.1	0.1	67.7	73.2
Cyprus	385	53.8	16.5	23.0	4.2	2.5	53.8	0.2	1.2	1.0	53.9	53.7
Czech Republic	411	70.4	6.7	20.3	1.6	1.1	70.4	0.2	0.6	0.2	69.2	71.6
England	383	53.8	19.6	21.2	4.4	1.0	53.8	0.0	0.5	0.5	53.1	54.7
Greece	394	52.4	12.5	21.8	7.6	5.7	52.4	0.7	0.9	4.1	47.2	57.7
Hong Kong	559	79.8	4.7	12.5	2.3	0.7	79.8	0.3	0.0	0.3	76.2	83.5
Hungary	380	65.9	8.9	18.6	4.0	2.6	65.9	0.0	2.0	0.7	64.7	67.9
Iceland	231	69.5	11.5	14.1	1.9	3.0	69.5	0.2	1.4	1.4	64.4	74.6
Iran, Islamic Rep.	424	42.3	15.2	28.8	7.4	6.4	42.3	1.7	1.0	3.7	34.1	49.6
Ireland	354	60.9	15.4	20.8	1.5	1.4	60.9	0.3	0.0	1.2	55.1	67.1
Israel	301	49.5	15.8	25.9	4.9	3.9	49.5	0.0	3.3	0.7	51.6	46.0
Japan	536	86.5	4.5	7.5	1.4	0.2	86.5	0.2	0.0	0.0	89.2	83.8
Korea	359	80.6	6.0	11.1	1.4	0.9	80.6	0.0	0.0	0.9	77.3	83.6
Kuwait	546	38.5	22.8	23.3	9.0	6.4	38.5	0.0	3.2	3.2	37.1	39.8
Latvia (LSS)	279	52.3	6.9	27.4	11.9	1.4	52.3	0.0	1.1	0.3	48.4	55.8
Netherlands	310	78.4	3.5	15.1	1.9	1.2	78.4	0.0	0.0	1.2	79.8	76.5
New Zealand	295	71.7	5.4	18.3	2.0	2.6	71.7	0.0	2.0	0.6	70.8	72.7
Norway	275	69.5	6.1	19.1	2.1	3.2	69.5	0.0	2.1	1.0	67.1	70.3
Portugal	353	44.6	8.9	31.4	10.5	4.5	44.6	0.0	2.8	1.7	40.5	49.7
Scotland	407	64.8	10.6	20.5	3.0	1.1	64.8	0.3	0.6	0.2	63.3	67.0
Singapore	911	68.9	9.7	18.0	3.1	0.4	68.9	0.0	0.1	0.3	68.0	69.7
Slovenia	319	60.9	5.7	25.7	7.5	0.2	60.9	0.0	0.0	0.2	52.9	70.0
Thailand	414	64.0	8.7	20.2	5.9	1.1	64.0	0.0	0.0	1.1	66.0	62.1
United States	904	61.5	16.6	18.4	2.9	0.6	61.5	0.0	0.0	0.6	60.9	62.1
INTERNATIONAL AVG	.	62.5	11.2	19.8	4.4	2.1	62.5	0.2	0.9	1.0	60.2	64.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O01 KEY: D
 Which picture shows the best way for 50 kg child to balance 25 kg child on seesaw? (Physical Science)
 Difficulty: 606

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	813	10.9	13.5	20.4	53.6	1.5	53.6	0.0	0.0	1.5	52.4	54.9
Austria	339	16.9	9.4	15.6	55.9	2.2	55.9	1.0	0.0	1.2	53.1	59.6
Canada	1078	13.4	12.7	19.4	52.5	2.0	52.5	0.5	0.1	1.5	49.8	55.2
Cyprus	414	27.4	15.7	16.0	31.8	9.0	31.8	1.3	0.0	7.8	26.1	38.5
Czech Republic	411	11.0	6.6	21.5	58.8	2.2	58.8	1.5	0.0	0.7	55.8	62.0
England	396	16.2	17.7	26.0	37.8	2.4	37.8	0.0	0.0	2.4	35.7	39.6
Greece	361	26.1	15.0	19.5	31.9	7.5	31.9	0.3	0.8	6.4	28.6	35.4
Hong Kong	545	5.7	12.9	31.7	44.1	5.6	44.1	0.0	0.0	5.6	34.1	52.0
Hungary	369	17.6	11.0	27.7	40.4	3.3	40.4	0.0	0.8	2.5	39.6	40.5
Iceland	218	10.5	16.3	22.6	44.7	5.9	44.7	0.0	0.5	5.3	40.3	50.4
Iran, Islamic Rep.	425	28.6	10.8	20.6	22.2	17.7	22.2	3.1	0.2	14.5	19.8	24.7
Ireland	354	16.7	19.1	23.8	38.9	1.5	38.9	0.4	0.0	1.1	33.2	44.3
Israel	276	25.4	10.0	24.6	35.1	4.9	35.1	0.0	2.9	2.0	32.9	36.2
Japan	546	3.8	6.8	26.4	62.5	0.5	62.5	0.0	0.0	0.5	66.7	58.6
Korea	356	2.0	1.1	13.2	83.7	0.0	83.7	0.0	0.0	0.0	77.8	89.2
Kuwait	510	40.1	15.0	15.1	17.9	11.8	17.9	0.0	0.5	11.3	14.5	21.1
Latvia (LSS)	281	9.4	13.3	26.1	48.0	3.2	48.0	0.0	0.9	2.3	42.3	53.7
Netherlands	310	12.5	12.1	23.1	51.3	1.0	51.3	1.0	0.0	0.0	48.9	53.7
New Zealand	306	17.2	16.3	16.8	47.7	2.0	47.7	0.0	0.6	1.4	45.2	50.4
Norway	284	8.1	14.8	9.3	63.6	4.3	63.6	0.0	0.5	3.8	60.3	65.8
Portugal	359	14.2	16.0	20.5	36.7	12.5	36.7	0.0	0.0	12.5	32.0	40.9
Scotland	406	20.3	17.5	24.3	33.9	4.0	33.9	0.5	0.3	3.2	30.7	37.6
Singapore	892	14.0	12.7	18.2	53.1	1.9	53.1	0.0	0.0	1.9	52.0	54.1
Slovenia	312	12.8	7.8	24.3	54.4	0.8	54.4	0.0	0.5	0.3	47.4	62.2
Thailand	376	33.2	8.9	18.6	39.1	0.2	39.1	0.0	0.0	0.2	35.5	42.3
United States	904	18.5	12.2	19.9	44.5	5.0	44.5	0.0	0.2	4.8	36.3	53.3
INTERNATIONAL AVG	.	16.6	12.5	21.0	45.5	4.3	45.5	0.4	0.3	3.6	42.0	49.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O02 KEY: A
 Why did seeds placed on most cotton sprout, but not those covered with water? (Life Science)
 Difficulty: 630

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	813	44.9	23.4	23.0	7.9	0.9	44.9	0.0	0.0	0.9	47.1	42.6
Austria	339	40.1	26.9	19.9	10.6	2.4	40.1	1.4	0.0	1.0	43.7	37.3
Canada	1078	44.6	27.5	19.0	7.6	1.4	44.6	0.1	0.1	1.2	47.1	43.9
Cyprus	414	30.9	24.8	21.2	15.4	7.7	30.9	1.2	0.2	6.2	32.5	29.0
Czech Republic	411	50.4	21.6	20.9	6.5	0.7	50.4	0.0	0.0	0.7	49.4	51.4
England	396	43.3	33.1	13.3	9.3	1.1	43.3	0.0	0.0	1.1	44.5	42.1
Greece	361	22.2	43.6	21.5	5.9	6.8	22.2	0.2	1.0	5.7	22.1	22.3
Hong Kong	545	36.2	29.7	23.7	8.9	1.5	36.2	0.1	0.0	1.4	33.6	38.2
Hungary	369	48.2	20.8	17.5	10.3	3.2	48.2	0.0	0.8	2.4	50.7	45.8
Iceland	218	42.6	25.3	14.7	14.2	3.1	42.6	0.0	0.5	2.6	47.1	36.9
Iran, Islamic Rep.	425	22.7	28.5	29.4	11.7	7.7	22.7	1.1	0.2	6.4	24.4	20.9
Ireland	354	43.4	28.1	19.5	8.6	0.3	43.4	0.3	0.0	0.0	42.2	44.6
Israel	276	52.7	19.5	14.1	7.3	6.4	52.7	0.7	2.9	2.8	53.9	48.2
Japan	546	37.4	27.0	28.4	6.9	0.3	37.4	0.0	0.0	0.3	40.6	34.3
Korea	356	61.1	30.7	7.0	1.3	0.0	61.1	0.0	0.0	0.0	60.9	61.2
Kuwait	525	22.0	17.4	30.3	21.2	9.1	22.0	0.2	0.6	8.3	25.1	19.1
Latvia (LSS)	280	44.0	10.9	27.3	12.7	5.1	44.0	0.0	1.3	3.8	47.0	41.1
Netherlands	310	57.7	16.9	17.8	5.7	1.8	57.7	1.8	0.0	0.0	61.3	56.4
New Zealand	306	46.2	18.9	22.7	9.9	2.3	46.2	0.0	0.6	1.7	48.0	44.3
Norway	284	42.4	26.9	19.0	8.3	3.4	42.4	0.0	1.0	2.4	50.4	35.4
Portugal	359	37.8	25.4	17.5	13.4	5.9	37.8	0.0	0.0	5.9	40.8	35.2
Scotland	406	38.7	24.9	24.2	10.7	1.4	38.7	0.3	0.3	0.7	40.6	36.4
Singapore	892	44.6	28.6	20.5	5.9	0.4	44.6	0.0	0.0	0.4	43.6	45.4
Slovenia	312	38.3	25.2	22.8	10.6	3.1	38.3	0.6	0.5	2.0	40.8	35.8
Thailand	376	24.8	29.8	35.2	9.5	0.8	24.8	0.0	0.0	0.8	24.5	25.0
United States	904	45.9	27.9	17.5	5.3	3.5	45.9	0.0	0.2	3.3	49.3	42.3
INTERNATIONAL AVG	.	40.9	25.5	21.1	9.4	3.1	40.9	0.3	0.4	2.4	42.7	39.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O03 KEY: B
 Shown pictures of the stages of a plants growth, in which order did they occur? (Life Science)
 Difficulty: 505

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	813	15.5	78.1	1.1	1.8	2.4	1.0	78.1	0.0	0.0	1.0	78.4	78.1
Austria	339	19.3	69.1	2.9	0.9	7.1	0.6	69.1	0.0	0.0	0.6	74.2	64.2
Canada	1078	22.6	72.0	0.8	0.7	2.8	1.1	72.0	0.2	0.1	0.8	78.9	65.8
Cyprus	414	18.4	60.4	8.9	2.5	5.2	4.6	60.4	1.8	0.5	2.2	62.9	57.5
Czech Republic	411	16.2	76.4	1.5	0.7	2.5	2.7	76.4	1.1	0.0	1.6	79.3	73.4
England	396	19.9	69.6	2.9	0.6	5.6	1.5	69.6	0.0	0.0	1.5	76.0	63.7
Greece	361	30.3	55.4	4.4	1.4	3.4	5.2	55.4	0.5	1.2	3.5	56.4	54.4
Hong Kong	544	12.0	86.2	1.0	0.2	0.0	0.6	86.2	0.3	0.0	0.3	82.4	89.2
Hungary	369	25.3	61.1	2.6	0.5	6.5	4.0	61.1	0.0	0.8	3.2	59.3	62.4
Iceland	218	22.7	59.7	8.1	1.5	5.4	2.6	59.7	0.5	1.0	1.0	62.3	56.4
Iran, Islamic Rep.	425	17.0	33.1	14.6	5.9	21.1	8.3	33.1	1.5	0.4	6.4	29.6	36.8
Ireland	354	21.1	63.9	3.3	0.9	7.5	3.4	63.9	1.7	0.0	1.7	68.5	59.5
Israel	276	12.6	64.5	4.2	2.3	11.9	4.6	64.5	0.0	2.9	1.7	63.4	64.4
Japan	546	6.3	92.4	0.7	0.4	0.0	0.2	92.4	0.0	0.0	0.2	96.7	88.3
Korea	356	2.1	97.4	0.2	0.3	0.0	0.0	97.4	0.0	0.0	0.0	98.3	96.5
Kuwait	530	14.5	47.1	6.4	2.6	23.9	5.5	47.1	0.0	0.9	4.6	52.4	42.1
Latvia (LSS)	281	27.8	52.1	3.3	1.4	10.4	5.0	52.1	0.0	1.3	3.8	58.8	45.4
Netherlands	310	17.3	79.5	1.1	0.0	1.4	0.7	79.5	0.7	0.0	0.0	74.4	84.6
New Zealand	306	14.8	74.1	2.5	1.0	5.2	2.3	74.1	0.0	0.7	1.6	81.0	67.0
Norway	284	23.5	52.1	5.6	2.6	10.2	6.1	52.1	0.3	1.9	3.9	60.5	42.4
Portugal	359	24.7	52.3	5.8	4.1	7.9	5.1	52.3	0.0	0.0	5.1	55.8	49.3
Scotland	406	22.3	65.3	3.1	1.2	7.1	1.0	65.3	0.0	0.3	0.7	67.9	62.7
Singapore	892	4.5	92.1	1.4	0.9	0.8	0.2	92.1	0.0	0.0	0.2	93.6	90.7
Slovenia	312	14.7	76.7	1.8	1.9	4.3	0.7	76.7	0.0	0.5	0.2	79.4	73.7
Thailand	376	9.7	77.8	6.0	2.0	3.9	0.6	77.8	0.0	0.0	0.6	78.4	77.3
United States	904	12.0	80.7	1.0	1.2	2.1	2.9	80.7	0.0	0.2	2.8	78.2	83.3
INTERNATIONAL AVG	.	17.2	68.8	3.7	1.5	6.1	2.7	68.8	0.3	0.5	1.9	71.0	66.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O04 KEY: A
 The Moon produces no light, and yet it shines at night. Why is this? (Earth Science)
 Difficulty: 485

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	813	70.2	6.1	5.3	16.8	1.5	70.2	0.0	0.0	1.5	65.6	75.2
Austria	339	78.9	5.2	4.7	10.2	1.0	78.9	0.2	0.0	0.9	82.4	76.6
Canada	1078	68.4	5.0	5.5	19.7	1.5	68.4	0.0	0.3	1.2	67.2	68.6
Cyprus	414	53.7	12.3	8.8	20.9	4.3	53.7	0.0	0.7	3.6	50.2	57.7
Czech Republic	411	75.7	9.5	5.7	7.5	1.6	75.7	0.3	0.2	1.1	69.4	82.3
England	396	72.1	8.0	4.1	15.3	0.6	72.1	0.0	0.0	0.6	69.6	74.4
Greece	361	66.9	6.6	2.9	16.5	7.1	66.9	0.2	1.2	5.8	64.7	69.2
Hong Kong	544	86.9	4.9	2.9	4.0	1.3	86.9	0.0	0.0	1.3	80.7	91.9
Hungary	369	77.8	1.1	5.1	13.0	3.0	77.8	0.0	1.4	1.6	77.4	78.7
Iceland	218	63.9	10.3	2.6	19.7	3.6	63.9	0.0	1.0	2.6	60.1	68.7
Iran, Islamic Rep.	425	55.6	18.3	7.2	12.6	6.3	55.6	1.1	0.6	4.6	51.5	59.9
Ireland	354	69.0	9.5	3.5	16.1	1.9	69.0	0.0	0.0	1.9	65.5	72.2
Israel	276	52.0	22.8	8.9	11.0	5.3	52.0	0.0	2.9	2.3	50.6	55.9
Japan	546	58.4	3.7	3.7	33.6	0.6	58.4	0.0	0.0	0.6	54.6	62.0
Korea	356	76.0	2.9	4.1	16.8	0.3	76.0	0.0	0.0	0.3	76.0	76.0
Kuwait	528	57.7	15.4	9.2	13.7	4.0	57.7	0.0	1.2	2.8	64.9	50.9
Latvia (LSS)	281	61.6	9.5	11.5	14.5	2.9	61.6	0.0	1.3	1.6	69.0	54.3
Netherlands	310	81.4	2.4	2.5	12.6	1.1	81.4	1.1	0.0	0.0	86.4	76.2
New Zealand	306	64.1	6.4	5.4	20.3	3.8	64.1	0.0	0.7	3.1	59.6	68.9
Norway	284	85.1	4.7	3.0	4.1	3.2	85.1	0.0	2.0	1.1	89.4	81.1
Portugal	359	76.5	5.9	4.3	11.0	2.2	76.5	0.0	0.0	2.2	82.3	71.5
Scotland	406	63.2	7.1	5.8	22.2	1.7	63.2	0.0	0.3	1.4	63.8	62.4
Singapore	892	85.7	4.9	3.4	5.6	0.5	85.7	0.0	0.0	0.5	85.3	86.1
Slovenia	312	72.2	6.2	5.1	15.6	0.9	72.2	0.0	0.7	0.2	72.4	72.0
Thailand	376	64.1	8.4	12.5	13.7	1.2	64.1	0.0	0.0	1.2	65.8	62.6
United States	904	75.3	6.9	5.3	9.1	3.5	75.3	0.1	0.2	3.2	74.7	75.9
INTERNATIONAL AVG	.	69.7	7.8	5.5	14.5	2.5	69.7	0.1	0.6	1.8	69.2	70.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O05 KEY: A
 Shown diagram of a beam of light striking a mirror, which diagram shows reflected beam? (Physical Science)
 Difficulty: 551

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	813	56.5	15.7	13.2	12.9	1.6	56.5	0.0	0.0	1.6	55.5	57.7
Austria	339	52.7	19.5	13.9	11.1	2.8	52.7	0.3	0.0	2.6	46.7	57.5
Canada	1078	62.7	17.3	8.8	10.2	0.9	62.7	0.1	0.3	0.5	62.7	63.3
Cyprus	414	59.0	12.9	11.9	7.9	8.3	59.0	0.2	0.7	7.4	57.4	60.9
Czech Republic	411	62.3	12.9	11.5	10.9	2.4	62.3	0.5	0.2	1.8	62.3	62.4
England	396	62.8	13.6	10.8	10.3	2.4	62.8	0.0	0.0	2.4	61.9	63.5
Greece	361	52.1	11.2	11.1	8.6	17.0	52.1	0.3	1.6	15.1	57.4	46.4
Hong Kong	545	61.8	12.8	10.5	13.5	1.4	61.8	0.0	0.0	1.4	62.0	61.6
Hungary	369	60.2	14.4	7.8	13.2	4.4	60.2	0.0	1.6	2.8	60.5	60.0
Iceland	218	50.6	18.7	12.8	12.8	5.1	50.6	0.0	1.6	3.5	53.9	46.3
Iran, Islamic Rep.	425	43.9	14.5	19.3	11.5	10.7	43.9	1.0	0.6	9.1	50.4	37.1
Ireland	354	54.8	16.2	12.7	14.6	1.7	54.8	0.0	0.0	1.7	55.4	54.2
Israel	276	57.8	15.8	9.0	9.0	8.4	57.8	0.3	3.3	4.8	54.4	61.6
Japan	546	58.7	13.5	10.2	16.6	1.0	58.7	0.0	0.0	1.0	58.4	58.9
Korea	356	89.9	2.3	2.3	5.2	0.3	89.9	0.0	0.0	0.3	89.8	90.1
Kuwait	520	41.7	18.9	15.2	14.4	9.9	41.7	0.0	1.2	8.7	42.3	41.0
Latvia (LSS)	280	43.9	20.8	19.2	9.9	6.2	43.9	0.0	1.3	4.9	45.1	42.7
Netherlands	310	50.7	23.8	10.8	14.3	0.4	50.7	0.4	0.0	0.0	49.0	53.2
New Zealand	306	57.5	17.6	10.1	11.2	3.5	57.5	0.0	0.7	2.8	56.5	58.5
Norway	284	45.7	14.7	16.5	16.5	6.5	45.7	0.7	2.0	3.7	48.9	44.5
Portugal	359	49.8	12.9	17.9	8.9	10.5	49.8	0.0	0.3	10.2	48.7	50.8
Scotland	406	56.8	17.0	12.7	10.1	3.4	56.8	0.2	0.3	2.9	61.2	52.1
Singapore	892	63.0	10.7	9.6	16.3	0.4	63.0	0.0	0.0	0.4	61.3	64.5
Slovenia	312	55.9	20.0	11.9	10.4	1.9	55.9	0.0	0.7	1.2	60.2	50.7
Thailand	376	57.6	11.6	19.2	8.0	3.6	57.6	0.0	0.8	2.8	64.4	51.5
United States	904	57.2	17.5	9.5	13.2	2.6	57.2	0.1	0.2	2.3	58.1	56.2
INTERNATIONAL AVG	.	56.4	15.3	12.3	11.6	4.5	56.4	0.2	0.7	3.7	57.1	55.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O06
 Write down one example of how computers help people do their work. (Environment and other content)
 Difficulty: 551

COUNTRY	N	10	11	12	13	14	19	70	71	76	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
															INVAL ID	REACH ED	OMIT		
Australia	813	30.2	4.7	21.9	11.1	3.7	6.2	0.0	2.5	1.4	10.6	0.6	7.0	77.8	0.0	0.0	7.0	83.6	71.4
Austria	339	8.9	13.0	15.0	0.6	9.6	12.9	0.2	6.0	3.9	11.0	2.0	16.9	60.0	0.0	0.0	16.9	54.2	65.1
Canada	1078	28.8	3.5	16.9	8.9	2.1	10.4	0.2	2.7	0.6	10.1	5.6	10.2	70.7	0.0	0.3	9.9	75.5	66.8
Cyprus	414	1.7	11.5	2.5	6.0	1.6	8.8	0.1	4.0	2.9	20.7	4.4	35.8	32.1	0.0	1.1	34.7	31.8	32.3
Czech Republic	411	8.8	15.7	24.9	1.2	4.1	12.5	0.2	5.0	6.9	9.1	3.5	8.1	67.2	0.0	0.2	7.9	68.0	66.4
England	396	20.3	7.2	18.6	8.3	4.7	14.7	0.0	6.3	3.1	5.8	3.0	7.9	73.9	0.0	0.0	7.9	76.1	71.9
Greece	361	11.0	12.3	2.6	2.1	1.4	8.9	0.6	7.3	5.6	9.9	3.5	34.7	38.4	0.0	2.8	31.8	32.1	45.1
Hong Kong	542	6.0	3.5	40.5	6.0	0.3	8.5	1.9	0.7	2.4	5.9	2.3	22.1	64.8	0.0	0.0	22.1	65.3	64.5
Hungary	369	8.0	19.9	26.0	2.2	2.6	3.9	0.2	19.2	1.1	4.2	0.7	12.2	62.5	0.0	1.6	10.6	62.4	62.4
Iceland	218	20.0	17.4	8.3	1.0	4.4	9.6	0.5	4.5	1.5	14.9	4.5	13.4	60.6	0.0	1.6	11.8	61.5	59.6
Iran, Islamic Rep.	425	1.6	9.9	3.4	3.9	0.7	8.0	0.2	9.2	0.5	12.0	3.7	47.0	27.4	0.0	0.8	46.2	29.7	25.0
Ireland	354	13.8	10.5	33.0	6.4	5.3	7.5	0.0	4.3	2.1	7.3	3.2	6.6	76.6	0.0	0.0	6.6	76.3	76.9
Israel	276	11.5	15.1	14.1	9.0	5.8	16.7	0.6	1.6	1.1	9.8	2.1	12.4	72.3	0.0	3.3	9.1	79.9	70.1
Japan	546	20.2	6.8	12.1	1.0	2.9	4.8	0.5	24.4	3.3	15.6	2.7	5.6	47.9	0.0	0.0	5.6	48.1	47.8
Korea	356	9.6	16.9	22.4	11.0	1.4	17.5	1.5	12.0	0.5	6.4	0.8	0.0	78.7	0.0	0.0	0.0	82.3	75.4
Kuwait	517	1.8	9.5	3.0	6.7	2.4	3.2	1.0	1.8	1.6	7.9	0.0	61.2	26.6	3.3	1.7	56.2	32.9	21.1
Latvia (LSS)	281	10.6	9.6	7.3	1.4	0.0	4.1	0.3	1.1	3.2	25.6	0.2	36.4	33.1	0.0	1.6	34.8	31.6	34.5
Netherlands	310	17.7	11.9	15.6	1.7	6.6	17.4	1.2	10.4	1.5	7.0	2.9	6.1	71.0	0.0	0.0	6.1	72.7	70.1
New Zealand	306	28.1	2.5	16.4	7.7	5.7	11.9	0.4	6.4	1.6	5.3	2.4	11.9	72.2	0.0	0.9	10.9	83.1	60.8
Norway	284	23.7	5.5	17.1	2.9	11.4	7.3	0.0	5.5	1.4	5.3	3.0	16.9	67.9	0.0	2.0	14.8	69.9	65.3
Portugal	359	4.8	2.0	11.9	6.3	2.6	7.6	0.0	5.1	3.2	23.7	5.7	27.1	35.2	0.0	0.6	26.5	37.7	33.0
Scotland	406	16.1	6.3	14.8	15.3	5.8	12.4	0.2	2.7	2.8	11.7	1.4	10.5	70.7	0.0	1.0	9.5	74.5	66.6
Singapore	892	9.3	8.5	31.0	18.7	0.4	5.7	0.4	0.4	5.0	15.3	1.4	4.0	73.6	0.0	0.0	4.0	77.5	69.9
Slovenia	312	9.9	31.6	13.7	4.6	5.6	10.8	0.0	2.6	2.5	7.8	0.5	10.4	76.3	0.0	0.7	9.7	77.1	75.5
Thailand	376	7.8	7.2	7.0	6.2	1.2	17.6	0.4	2.1	0.2	33.2	2.2	14.9	47.0	0.0	1.2	13.7	49.6	44.6
United States	904	27.8	6.0	21.4	9.7	3.3	12.9	0.2	1.0	2.5	5.2	2.1	7.9	81.1	0.0	0.3	7.6	81.6	80.6
INTERNATIONAL AVG	.	13.8	10.3	16.2	6.1	3.7	10.1	0.4	5.7	2.4	11.6	2.5	17.2	60.2	0.1	0.8	16.2	62.1	58.6

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: O07 KEY: C
 Which of the following animal produces milk for its young? (Life Science)
 Difficulty: 461

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	813	10.1	3.2	75.6	10.1	1.0	75.6	0.0	0.0	1.0	75.0	76.4
Austria	339	14.8	10.9	60.4	12.9	1.1	60.4	0.1	0.7	0.3	64.5	56.0
Canada	1078	22.3	2.8	70.2	3.8	0.9	70.2	0.0	0.3	0.6	69.8	70.1
Cyprus	414	14.2	6.2	68.5	6.4	4.7	68.5	0.4	1.6	2.6	66.5	70.8
Czech Republic	411	1.1	3.3	91.8	2.6	1.3	91.8	0.4	0.2	0.6	91.3	92.3
England	396	19.5	3.3	71.7	4.4	1.1	71.7	0.0	0.0	1.1	71.8	71.7
Greece	361	9.1	4.4	72.8	7.8	5.9	72.8	0.0	2.8	3.1	71.8	73.8
Hong Kong	545	9.2	5.2	81.3	3.4	0.8	81.3	0.1	0.2	0.5	75.8	85.7
Hungary	369	2.6	3.0	90.7	0.5	3.2	90.7	0.0	1.9	1.3	93.8	87.6
Iceland	218	18.2	7.6	55.9	14.5	3.8	55.9	0.0	2.3	1.5	58.5	52.5
Iran, Islamic Rep.	425	2.9	3.8	83.3	6.5	3.5	83.3	0.5	0.8	2.2	80.2	86.4
Ireland	354	18.4	4.8	69.2	6.6	0.9	69.2	0.0	0.0	0.9	66.0	72.1
Israel	276	22.9	3.7	63.0	5.4	5.0	63.0	0.6	3.3	1.1	63.3	64.4
Japan	546	4.2	0.5	94.0	0.5	0.8	94.0	0.4	0.2	0.2	96.5	91.7
Korea	356	2.3	1.1	96.0	0.3	0.3	96.0	0.0	0.0	0.3	97.0	95.0
Kuwait	536	19.0	7.5	58.0	10.6	4.9	58.0	0.0	1.8	3.1	60.0	56.2
Latvia (LSS)	281	2.9	3.5	73.5	16.9	3.2	73.5	0.0	1.6	1.5	76.7	70.4
Netherlands	310	7.3	2.0	82.0	7.8	1.0	82.0	1.0	0.0	0.0	85.4	80.8
New Zealand	306	8.6	4.1	73.1	11.7	2.6	73.1	0.0	0.9	1.7	78.2	67.7
Norway	284	11.6	7.7	69.3	6.6	4.9	69.3	0.3	2.0	2.5	73.1	64.9
Portugal	359	6.3	2.1	76.7	10.3	4.6	76.7	0.0	1.7	2.9	76.8	76.7
Scotland	406	23.9	5.3	65.7	3.3	1.8	65.7	0.2	1.0	0.6	70.1	61.1
Singapore	892	11.2	6.0	77.3	5.1	0.5	77.3	0.0	0.0	0.5	78.1	76.5
Slovenia	312	5.3	4.0	83.0	5.8	1.9	83.0	0.3	0.7	1.0	80.0	85.8
Thailand	376	3.6	5.9	84.6	3.2	2.6	84.6	0.0	2.4	0.2	80.8	88.0
United States	904	18.4	2.3	70.8	5.6	2.9	70.8	0.0	0.3	2.6	70.7	71.0
INTERNATIONAL AVG	.	11.2	4.4	75.3	6.6	2.5	75.3	0.2	1.0	1.3	75.8	74.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O08 KEY: C

Which of the following is the easiest way to separate a mixture of iron filings and sand? (Physical Science)

Difficulty: 566

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	813	23.5	6.6	53.8	15.1	1.0	53.8	0.0	0.3	0.7	52.2	55.5
Austria	339	21.8	5.0	55.8	14.6	2.8	55.8	0.4	0.7	1.7	43.8	66.4
Canada	1078	27.3	8.2	43.3	20.5	0.8	43.3	0.1	0.3	0.4	43.6	44.1
Cyprus	414	22.9	14.1	43.2	14.6	5.1	43.2	0.0	1.6	3.5	38.4	48.8
Czech Republic	411	21.6	4.0	59.1	13.9	1.5	59.1	0.0	0.2	1.2	48.9	69.9
England	396	20.6	5.3	53.4	19.9	0.9	53.4	0.0	0.0	0.9	53.5	53.2
Greece	361	15.5	13.5	49.7	12.9	8.5	49.7	0.7	3.0	4.8	42.1	57.7
Hong Kong	545	23.8	9.8	48.2	17.2	1.0	48.2	0.0	0.2	0.7	44.4	51.1
Hungary	369	18.2	5.3	59.4	12.9	4.1	59.4	0.0	2.1	2.0	55.5	63.7
Iceland	218	25.3	6.4	40.9	21.5	5.9	40.9	0.0	3.1	2.8	43.4	37.7
Iran, Islamic Rep.	425	8.1	7.1	72.9	7.6	4.3	72.9	0.7	1.0	2.7	74.8	70.9
Ireland	354	23.7	8.6	42.1	25.0	0.6	42.1	0.0	0.0	0.6	42.8	41.5
Israel	276	13.1	4.3	64.2	13.8	4.6	64.2	0.0	3.3	1.3	63.6	67.6
Japan	546	4.4	1.7	89.5	4.0	0.4	89.5	0.0	0.2	0.2	91.9	87.2
Korea	356	0.9	0.3	96.4	1.7	0.7	96.4	0.0	0.0	0.7	98.5	94.4
Kuwait	533	17.5	16.9	34.5	24.9	6.2	34.5	0.0	1.9	4.3	35.7	33.4
Latvia (LSS)	280	16.5	7.3	60.0	13.7	2.5	60.0	0.0	1.6	0.9	61.7	58.2
Netherlands	310	16.0	8.0	58.7	16.4	0.8	58.7	0.8	0.0	0.0	55.4	63.5
New Zealand	306	21.4	7.9	45.8	20.9	3.9	45.8	0.0	0.9	3.0	47.0	44.4
Norway	284	17.6	9.3	59.4	8.4	5.3	59.4	0.8	2.8	1.7	59.8	59.3
Portugal	359	21.8	7.7	51.6	14.5	4.3	51.6	0.0	2.0	2.4	45.6	56.8
Scotland	406	20.2	3.1	48.6	26.7	1.5	48.6	0.0	1.0	0.5	43.1	54.8
Singapore	892	15.1	7.4	66.6	10.5	0.4	66.6	0.0	0.0	0.4	67.0	66.2
Slovenia	312	25.9	17.0	46.6	8.8	1.7	46.6	0.0	0.7	1.0	48.1	45.6
Thailand	376	16.0	16.5	44.8	20.1	2.6	44.8	0.0	2.4	0.2	42.8	46.5
United States	904	23.4	7.5	53.5	13.0	2.6	53.5	0.3	0.3	2.0	50.5	56.7
INTERNATIONAL AVG	.	18.5	8.0	55.4	15.1	2.8	55.4	0.1	1.2	1.6	53.6	57.5

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: 009
 Why do mountains sometimes still have snow on their tops when the snow on lower parts has melted? (Earth Science)
 Difficulty: 629

COUNTRY	N													NOT		1.GIRL % Right	2.BOY % Right	
		10	11	19	70	71	72	73	76	79	90	99	V1	INVAL ID	REACH ED			OMIT
Australia	813	34.0	1.3	2.0	5.6	18.6	3.0	2.3	0.5	22.0	0.8	9.9	37.3	0.0	0.5	9.4	35.4	39.3
Austria	339	27.9	0.2	2.3	2.2	4.0	3.3	0.3	0.1	45.0	1.2	13.4	30.4	0.0	1.0	12.5	27.0	33.8
Canada	1078	53.2	0.2	0.7	2.5	7.8	3.1	0.3	0.8	16.0	5.0	10.3	54.1	0.0	0.4	9.9	51.0	57.5
Cyprus	414	22.0	1.8	5.3	1.7	14.1	3.0	1.7	0.7	24.2	1.8	23.7	29.1	0.0	2.8	20.9	23.7	35.5
Czech Republic	411	54.0	2.4	3.7	5.2	5.6	5.5	0.5	2.6	10.7	1.9	7.9	60.1	0.0	0.2	7.7	59.4	60.9
England	396	50.5	1.9	1.4	4.4	12.8	2.4	0.5	2.1	9.8	5.0	9.2	53.8	0.0	0.2	8.9	50.5	56.9
Greece	361	22.3	1.9	3.6	1.5	22.8	4.0	0.1	1.1	19.5	0.9	22.2	27.8	0.0	4.7	17.5	31.3	24.2
Hong Kong	542	43.8	1.0	1.5	1.0	2.0	2.8	0.1	3.4	24.0	3.4	17.0	46.3	0.0	0.2	16.7	37.9	53.0
Hungary	369	63.6	1.0	2.5	5.7	1.3	2.9	0.0	2.4	8.5	1.3	11.0	67.0	0.0	2.4	8.6	66.9	67.7
Iceland	218	45.4	1.3	3.5	4.9	5.6	1.5	0.0	1.2	17.1	3.7	15.8	50.2	0.0	4.9	10.9	49.8	50.7
Iran, Islamic Rep.	425	26.1	0.6	15.7	4.2	3.2	3.8	0.0	0.4	19.5	1.9	24.5	42.4	0.0	2.8	21.7	38.9	46.2
Ireland	354	38.3	1.7	0.7	6.0	13.7	7.1	0.5	1.8	18.9	2.2	9.3	40.7	0.0	0.0	9.3	36.8	44.4
Israel	276	40.4	1.4	3.8	1.0	10.7	3.7	0.4	3.0	17.5	3.0	15.1	45.6	0.0	3.6	11.5	49.7	43.0
Japan	546	63.8	4.4	4.8	4.1	7.2	1.3	2.8	0.3	8.3	0.2	2.9	72.9	0.0	0.2	2.6	72.4	73.5
Korea	356	62.8	1.2	6.2	6.5	0.3	0.2	3.6	1.2	17.3	0.8	0.0	70.2	0.0	0.0	0.0	70.3	70.0
Kuwait	521	8.3	1.5	12.0	0.0	0.0	0.0	0.0	0.7	5.1	0.0	72.3	21.8	16.1	3.0	53.2	24.7	19.3
Latvia (LSS)	281	42.7	1.1	3.4	1.4	5.9	2.3	2.3	0.2	24.1	0.3	16.3	47.2	0.0	1.6	14.6	49.7	44.7
Netherlands	310	49.7	1.6	1.2	2.5	21.9	1.0	0.7	1.7	15.5	0.4	3.8	52.5	0.0	0.0	3.8	52.1	54.0
New Zealand	306	36.7	2.6	1.5	3.3	25.4	2.4	0.0	1.1	12.7	1.1	13.2	40.8	0.0	2.0	11.2	41.9	39.7
Norway	284	62.2	1.8	0.3	3.1	1.8	7.7	0.0	0.7	11.0	1.5	9.8	64.4	0.0	3.1	6.7	63.6	64.6
Portugal	359	24.1	4.1	5.3	1.5	8.4	6.5	0.7	1.2	24.4	2.7	21.2	33.5	0.0	2.7	18.5	30.1	36.4
Scotland	406	43.1	3.3	1.7	4.1	12.8	5.1	0.6	2.5	17.2	0.6	9.1	48.0	0.0	1.0	8.1	44.1	52.6
Singapore	892	31.4	0.8	0.5	2.8	16.5	1.0	0.5	2.3	37.4	1.8	5.0	32.6	0.0	0.1	4.9	33.7	31.5
Slovenia	312	43.3	1.2	2.6	3.7	9.0	4.3	0.0	3.6	17.2	2.8	12.4	47.0	0.0	0.7	11.8	51.2	43.8
Thailand	376	16.7	4.2	2.8	1.6	12.0	1.8	0.4	3.8	42.6	0.5	13.7	23.7	0.0	2.4	11.2	23.2	24.1
United States	904	49.6	2.5	0.5	2.4	9.6	4.4	0.8	0.9	19.0	2.1	8.1	52.6	0.0	0.4	7.7	51.0	54.3
INTERNATIONAL AVG	.	40.6	1.8	3.4	3.2	9.7	3.2	0.7	1.5	19.4	1.8	14.5	45.9	0.6	1.6	12.3	44.9	47.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: P01 KEY: B
 When this caterpillar becomes an adult, which of the following pictures will it look like? (Life Science)
 Difficulty: 382

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	826	1.5	96.2	0.1	1.2	0.4	0.6	96.2	0.0	0.0	0.6	97.9	94.5
Austria	331	3.8	93.7	0.0	1.7	0.5	0.4	93.7	0.0	0.0	0.4	93.2	94.0
Canada	1047	1.1	97.7	0.4	0.5	0.1	0.3	97.7	0.1	0.0	0.1	98.9	96.3
Cyprus	414	13.4	63.9	1.1	16.5	1.1	4.1	63.9	1.4	0.0	2.7	66.9	61.0
Czech Republic	408	2.1	95.9	0.6	1.1	0.0	0.2	95.9	0.2	0.0	0.0	95.3	96.6
England	394	1.2	96.1	0.0	1.0	1.0	0.7	96.1	0.0	0.0	0.7	97.1	95.0
Greece	383	12.4	66.8	0.6	8.7	3.2	8.3	66.8	3.6	0.4	4.3	61.4	72.5
Hong Kong	557	0.9	97.1	0.1	1.3	0.2	0.3	97.1	0.0	0.0	0.3	97.1	97.1
Hungary	379	4.2	85.3	2.2	3.3	0.4	4.6	85.3	0.0	1.7	2.9	83.9	87.2
Iceland	220	13.6	71.3	0.0	10.2	2.1	2.8	71.3	0.0	0.8	2.0	72.2	70.3
Iran, Islamic Rep.	422	6.0	68.9	9.7	10.0	1.6	3.9	68.9	0.5	0.0	3.4	68.7	69.0
Ireland	367	2.5	94.2	0.3	1.5	0.6	0.8	94.2	0.0	0.2	0.6	95.9	92.3
Israel	291	9.7	81.2	0.6	6.4	1.2	0.9	81.2	0.3	0.6	0.0	82.5	80.1
Japan	534	1.6	95.0	3.2	0.1	0.0	0.2	95.0	0.0	0.2	0.0	93.7	96.3
Korea	346	3.9	90.4	0.0	5.0	0.4	0.4	90.4	0.0	0.4	0.0	89.4	91.4
Kuwait	531	22.3	44.6	3.7	19.1	5.5	4.9	44.6	0.0	0.6	4.2	46.9	42.4
Latvia (LSS)	276	8.9	63.4	1.4	21.2	0.3	4.8	63.4	0.0	0.0	4.8	66.4	60.7
Netherlands	320	1.0	96.7	0.2	1.7	0.4	0.0	96.7	0.0	0.0	0.0	96.4	97.0
New Zealand	297	1.2	94.7	0.3	0.4	2.6	0.8	94.7	0.0	0.0	0.8	96.7	92.9
Norway	283	0.7	97.4	0.0	1.2	0.4	0.3	97.4	0.0	0.0	0.3	98.9	96.5
Portugal	365	16.7	58.5	1.1	17.2	4.0	2.5	58.5	0.0	0.0	2.5	59.5	57.6
Scotland	413	3.6	93.8	0.5	1.0	0.5	0.6	93.8	0.2	0.2	0.2	93.9	93.8
Singapore	890	2.5	94.2	0.5	1.6	0.7	0.5	94.2	0.0	0.3	0.2	94.5	93.9
Slovenia	318	5.5	87.3	1.5	3.5	0.3	1.9	87.3	0.2	0.8	0.8	86.9	88.2
Thailand	350	11.2	76.2	1.9	6.4	4.2	0.0	76.2	0.0	0.0	0.0	77.2	75.2
United States	897	0.7	97.0	0.2	0.9	0.0	1.1	97.0	0.2	0.0	0.9	97.0	97.1
INTERNATIONAL AVG	.	5.9	84.5	1.2	5.5	1.2	1.8	84.5	0.3	0.2	1.3	84.9	84.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P02 KEY: A
 Which of the following pictures shows plants commonly found in a desert? (Life Science)
 Difficulty: 381

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	826	92.3	2.1	0.9	4.0	0.7	92.3	0.0	0.0	0.7	92.9	91.8
Austria	331	94.6	0.8	0.8	2.5	1.3	94.6	0.2	0.0	1.2	95.2	93.7
Canada	1047	96.2	0.4	0.7	2.4	0.2	96.2	0.0	0.0	0.2	96.4	96.0
Cyprus	414	83.6	2.6	2.4	6.2	5.2	83.6	4.5	0.0	0.8	79.0	88.2
Czech Republic	408	91.3	1.2	1.2	5.1	1.2	91.3	0.9	0.0	0.3	88.9	93.8
England	394	91.4	1.2	0.2	6.7	0.5	91.4	0.0	0.0	0.5	91.1	91.8
Greece	383	85.6	2.5	0.3	8.1	3.5	85.6	2.3	0.4	0.8	82.9	88.5
Hong Kong	557	97.4	0.3	1.6	0.2	0.6	97.4	0.0	0.0	0.6	97.7	97.1
Hungary	379	82.4	2.6	2.5	8.8	3.6	82.4	0.0	2.0	1.7	76.2	88.6
Iceland	220	88.8	1.0	1.2	7.2	1.8	88.8	0.2	0.8	0.8	90.8	86.8
Iran, Islamic Rep.	422	55.5	14.4	14.9	11.2	4.0	55.5	0.1	0.0	4.0	56.1	55.0
Ireland	367	88.5	1.4	0.4	8.5	1.1	88.5	0.4	0.2	0.4	87.5	89.7
Israel	291	80.0	6.7	7.7	4.0	1.6	80.0	0.7	0.6	0.3	79.4	81.0
Japan	534	94.2	1.0	0.6	4.0	0.2	94.2	0.0	0.2	0.0	91.9	96.5
Korea	346	96.0	0.6	1.6	1.4	0.4	96.0	0.0	0.4	0.0	94.8	97.1
Kuwait	531	75.8	4.8	8.2	7.1	4.1	75.8	0.0	0.6	3.4	79.4	72.4
Latvia (LSS)	276	91.4	0.3	0.0	4.4	3.9	91.4	0.0	0.0	3.9	93.0	90.0
Netherlands	320	93.5	1.2	0.0	5.1	0.2	93.5	0.2	0.0	0.0	91.5	95.4
New Zealand	297	89.0	1.4	3.6	4.9	1.1	89.0	0.0	0.0	1.1	92.1	86.2
Norway	283	95.5	0.7	0.4	3.5	0.0	95.5	0.0	0.0	0.0	93.5	96.8
Portugal	365	77.5	2.6	6.3	11.0	2.5	77.5	0.0	0.0	2.5	73.2	81.7
Scotland	413	91.2	1.2	1.2	6.2	0.2	91.2	0.0	0.2	0.0	91.0	91.3
Singapore	890	76.3	3.4	4.4	15.4	0.5	76.3	0.0	0.3	0.2	71.5	80.8
Slovenia	318	88.9	1.9	0.5	6.0	2.6	88.9	1.8	0.8	0.0	87.1	91.1
Thailand	350	83.1	10.1	2.0	4.8	0.0	83.1	0.0	0.0	0.0	82.1	84.1
United States	897	95.2	0.5	0.7	2.5	1.1	95.2	0.3	0.0	0.9	95.4	94.9
INTERNATIONAL AVG	.	87.5	2.6	2.5	5.8	1.6	87.5	0.4	0.3	0.9	86.6	88.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P03 KEY: B
 Which of the following is not used as an energy source? (Physical Science)
 Difficulty: 666

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	826	32.5	33.4	11.7	21.6	0.8	33.4	0.0	0.0	0.8	26.2	40.0
Austria	331	12.7	47.1	9.5	28.2	2.5	47.1	0.7	0.0	1.7	39.7	53.9
Canada	1047	26.4	39.4	11.2	22.2	0.8	39.4	0.1	0.0	0.7	33.8	45.8
Cyprus	414	18.9	31.7	27.7	19.4	2.3	31.7	0.3	0.0	2.0	35.6	27.9
Czech Republic	408	35.5	31.2	16.0	15.6	1.8	31.2	1.2	0.0	0.7	21.8	41.3
England	394	32.8	35.8	13.6	16.6	1.2	35.8	0.0	0.0	1.2	32.1	40.2
Greece	383	30.3	34.1	19.5	10.6	5.5	34.1	0.9	0.4	4.2	34.7	33.4
Hong Kong	551	42.8	33.6	18.3	4.9	0.5	33.6	0.0	0.0	0.5	32.9	34.0
Hungary	379	25.0	38.4	12.7	17.5	6.4	38.4	0.0	2.0	4.4	36.2	41.1
Iceland	220	16.3	36.8	24.1	20.0	2.8	36.8	0.0	0.8	2.0	34.2	39.5
Iran, Islamic Rep.	422	27.3	32.4	15.2	20.8	4.3	32.4	1.2	0.0	3.1	29.8	34.9
Ireland	367	22.0	39.6	21.8	15.1	1.5	39.6	0.4	0.2	0.8	38.3	40.9
Israel	291	33.8	35.6	14.0	13.6	2.9	35.6	0.4	0.6	1.9	30.8	39.1
Japan	534	27.4	45.9	5.0	21.1	0.6	45.9	0.2	0.2	0.3	40.7	51.1
Korea	346	35.9	31.3	22.4	9.4	0.9	31.3	0.0	0.4	0.6	29.8	32.8
Kuwait	531	35.9	27.3	18.0	14.3	4.5	27.3	0.0	0.6	3.9	29.0	25.7
Latvia (LSS)	275	18.9	26.9	19.3	30.6	4.3	26.9	0.0	0.0	4.3	31.5	22.6
Netherlands	320	18.2	37.8	16.6	26.4	1.0	37.8	0.2	0.0	0.8	34.8	40.6
New Zealand	297	23.8	32.1	21.6	20.3	2.2	32.1	0.0	0.0	2.2	21.7	41.3
Norway	283	7.9	31.5	15.1	42.9	2.5	31.5	0.0	0.0	2.5	21.3	38.7
Portugal	365	15.1	34.0	17.9	26.8	6.3	34.0	0.0	0.0	6.3	30.3	37.4
Scotland	413	22.2	39.7	13.6	23.7	0.8	39.7	0.0	0.2	0.6	36.2	42.8
Singapore	890	51.8	19.9	6.7	20.8	0.7	19.9	0.0	0.3	0.4	17.3	22.5
Slovenia	318	23.8	40.1	11.8	22.4	2.0	40.1	0.9	0.8	0.2	34.8	45.4
Thailand	350	37.6	27.2	15.4	19.5	0.2	27.2	0.0	0.0	0.2	22.5	32.1
United States	897	35.4	37.6	8.3	17.5	1.2	37.6	0.1	0.0	1.1	36.3	39.2
INTERNATIONAL AVG	.	27.3	34.6	15.7	20.1	2.3	34.6	0.3	0.3	1.8	31.2	37.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P04
 Compare mass of beaker of water and a weight with mass of beaker of water with weight inside. (Physical Science)
 Difficulty: 672

COUNTRY	N	10	70	71	79	90	99	V1	NOT		OMIT	1.GIRL % Right	2.BOY % Right
									INVAL ID	REACH ED			
Australia	826	37.8	26.9	22.8	6.3	0.9	5.3	37.8	0.0	0.0	5.3	35.5	39.8
Austria	331	40.0	20.7	27.7	4.5	1.0	6.1	40.0	0.0	0.0	6.1	33.8	46.3
Canada	1047	27.7	28.8	27.5	5.8	7.7	2.4	27.7	0.0	0.0	2.4	23.7	33.6
Cyprus	414	28.1	37.3	13.6	6.6	0.2	14.1	28.1	0.0	0.2	13.9	26.1	30.0
Czech Republic	408	42.9	21.2	22.7	6.9	1.2	5.2	42.9	0.0	0.0	5.2	37.6	48.5
England	394	27.0	39.0	20.0	3.8	3.4	6.6	27.0	0.0	0.0	6.6	28.0	25.9
Greece	383	31.8	24.8	17.5	6.3	2.1	17.4	31.8	0.0	0.4	17.0	26.8	37.1
Hong Kong	551	32.5	30.4	21.9	10.4	0.5	4.4	32.5	0.0	0.0	4.4	35.0	30.6
Hungary	379	38.5	22.8	30.8	1.0	0.8	6.0	38.5	0.0	2.0	4.1	36.0	41.4
Iceland	220	35.6	35.4	15.5	1.8	2.5	9.2	35.6	0.0	1.1	8.1	33.0	38.3
Iran, Islamic Rep.	422	26.9	22.0	15.5	1.8	8.4	25.4	26.9	0.0	0.0	25.4	23.9	29.9
Ireland	367	30.1	36.5	14.5	7.4	5.5	6.0	30.1	0.0	0.2	5.8	31.7	28.5
Israel	291	31.4	22.6	29.2	4.6	1.2	11.0	31.4	0.0	1.0	10.1	29.0	34.1
Japan	534	58.4	32.4	7.6	0.0	0.2	1.4	58.4	0.0	0.2	1.3	58.7	58.1
Korea	346	47.7	29.7	10.7	6.1	5.1	0.7	47.7	0.0	0.4	0.3	49.3	46.1
Kuwait	531	10.2	16.8	4.5	12.0	0.0	56.4	10.2	3.9	0.8	51.7	8.1	12.3
Latvia (LSS)	276	45.3	16.5	21.2	3.1	0.0	13.9	45.3	0.0	0.0	13.9	43.4	47.2
Netherlands	320	36.8	36.5	20.6	2.5	1.3	2.2	36.8	0.0	0.0	2.2	33.8	40.6
New Zealand	297	32.2	34.8	16.7	9.9	0.7	5.7	32.2	0.0	0.0	5.7	29.5	34.6
Norway	283	28.0	36.3	20.6	5.9	0.6	8.7	28.0	0.0	0.0	8.7	18.8	34.4
Portugal	365	30.0	27.0	15.3	7.2	2.8	17.6	30.0	0.0	0.0	17.6	25.6	34.2
Scotland	413	30.4	34.2	16.7	9.9	1.2	7.6	30.4	0.0	0.2	7.4	25.9	34.5
Singapore	890	46.7	41.7	5.9	2.5	1.4	1.8	46.7	0.0	0.3	1.5	42.5	50.5
Slovenia	318	48.2	22.4	19.8	1.6	1.7	6.3	48.2	0.0	0.8	5.4	46.9	50.1
Thailand	350	22.3	29.7	6.5	2.4	0.0	39.1	22.3	0.0	0.0	39.1	20.8	23.7
United States	897	21.2	38.0	21.8	9.0	5.4	4.5	21.2	0.0	0.0	4.5	18.4	24.8
INTERNATIONAL AVG	.	34.1	29.4	18.0	5.4	2.2	11.0	34.1	0.2	0.3	10.5	31.6	36.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: P05 KEY: C

Shown pictures of magnets after being dipped into substance below it, which substance could be coffee? (Physical Science)

Difficulty: 601

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	826	4.4	15.3	55.9	23.2	1.2	55.9	0.0	0.0	1.2	50.8	60.5
Austria	331	6.5	15.2	51.3	24.2	2.7	51.3	0.5	0.0	2.2	45.6	56.6
Canada	1047	3.0	21.2	50.6	24.3	0.9	50.6	0.5	0.0	0.4	49.2	51.9
Cyprus	413	5.5	21.5	42.4	26.8	3.7	42.4	0.0	0.2	3.5	41.5	43.3
Czech Republic	408	3.6	13.8	65.8	16.1	0.7	65.8	0.0	0.0	0.7	55.2	77.4
England	394	2.9	16.2	59.5	20.6	0.9	59.5	0.0	0.0	0.9	54.7	65.1
Greece	383	6.6	28.3	24.7	33.0	7.5	24.7	0.8	0.6	6.1	21.4	28.2
Hong Kong	557	3.0	15.5	58.8	22.3	0.4	58.8	0.0	0.0	0.4	57.5	60.2
Hungary	379	5.7	8.1	64.1	19.1	3.1	64.1	0.0	2.1	0.9	60.3	66.8
Iceland	220	5.0	27.6	33.0	30.7	3.7	33.0	0.0	1.3	2.4	32.6	33.4
Iran, Islamic Rep.	422	6.9	32.1	32.3	23.0	5.6	32.3	0.3	0.5	4.8	27.8	36.6
Ireland	367	6.2	21.4	50.1	21.0	1.3	50.1	0.2	0.6	0.5	42.3	58.3
Israel	291	12.1	15.6	38.3	31.0	2.9	38.3	0.4	1.7	0.8	36.2	43.2
Japan	534	3.9	8.4	82.8	4.7	0.2	82.8	0.0	0.2	0.0	83.3	82.4
Korea	346	5.0	6.3	83.6	4.7	0.4	83.6	0.0	0.4	0.0	84.7	82.6
Kuwait	531	6.4	43.5	25.0	20.7	4.4	25.0	0.0	1.0	3.3	24.4	25.6
Latvia (LSS)	275	8.9	30.1	38.4	18.0	4.6	38.4	0.0	1.1	3.5	42.6	34.4
Netherlands	320	2.4	24.5	52.8	20.3	0.0	52.8	0.0	0.0	0.0	45.5	60.4
New Zealand	297	9.8	16.1	52.5	20.0	1.6	52.5	0.0	0.0	1.6	47.2	57.2
Norway	283	5.8	35.1	40.2	17.3	1.6	40.2	0.0	0.4	1.2	40.6	39.8
Portugal	365	4.9	21.7	33.8	36.0	3.7	33.8	0.0	0.3	3.4	34.3	33.3
Scotland	413	5.2	16.4	57.2	20.3	0.8	57.2	0.2	0.2	0.5	54.8	59.1
Singapore	890	3.2	11.7	70.3	14.6	0.3	70.3	0.0	0.3	0.0	68.2	72.4
Slovenia	318	3.0	20.9	52.5	20.9	2.7	52.5	0.7	0.8	1.2	43.9	60.5
Thailand	350	3.6	23.8	29.4	42.6	0.6	29.4	0.0	0.0	0.6	27.9	31.1
United States	897	3.3	15.5	53.0	27.1	1.2	53.0	0.0	0.0	1.2	50.1	56.6
INTERNATIONAL AVG	.	5.3	20.2	49.9	22.4	2.2	49.9	0.1	0.5	1.6	47.0	53.0

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: P06 KEY: B

To find out whether seeds grow better in light or dark, where would you put seeds? (Environment and other content)

Difficulty: 661

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	826	8.9	49.1	18.7	22.1	1.3	49.1	0.0	0.0	1.3	45.3	52.4
Austria	331	8.0	35.1	42.1	12.5	2.2	35.1	0.0	0.1	2.2	36.6	33.9
Canada	1047	7.7	42.9	31.3	16.6	1.4	42.9	0.0	0.0	1.4	52.4	36.7
Cyprus	413	13.7	27.0	29.8	21.0	8.5	27.0	0.3	0.2	7.9	28.5	25.6
Czech Republic	408	9.2	40.5	33.0	16.0	1.3	40.5	0.0	0.0	1.3	43.3	37.4
England	394	13.3	43.0	18.3	24.3	1.1	43.0	0.0	0.0	1.1	47.0	38.3
Greece	383	2.9	30.3	52.8	8.1	6.0	30.3	0.3	0.6	5.1	32.2	28.2
Hong Kong	557	9.9	35.7	42.6	10.6	1.2	35.7	0.0	0.0	1.2	37.0	34.8
Hungary	379	10.1	18.8	54.5	12.3	4.3	18.8	0.0	2.1	2.2	17.4	20.8
Iceland	220	10.7	40.3	30.6	13.4	5.1	40.3	0.0	2.4	2.7	39.0	41.5
Iran, Islamic Rep.	422	16.3	14.0	29.2	30.0	10.5	14.0	0.3	0.5	9.7	16.5	11.5
Ireland	367	16.8	29.0	17.4	34.6	2.2	29.0	0.6	0.6	1.0	29.1	29.0
Israel	291	14.7	26.2	31.5	25.3	2.2	26.2	0.2	1.7	0.3	22.6	28.7
Japan	.	.	.	.	.	.	.	.	.	.	.	.
Korea	346	8.6	66.0	18.3	6.7	0.4	66.0	0.0	0.4	0.0	68.2	63.8
Kuwait	531	10.5	24.9	41.4	12.3	10.9	24.9	0.0	1.0	9.8	26.1	23.8
Latvia (LSS)	275	8.9	23.1	38.3	24.6	5.1	23.1	0.0	1.1	4.0	22.8	23.4
Netherlands	320	10.2	35.7	28.5	24.5	1.2	35.7	1.2	0.0	0.0	36.4	35.6
New Zealand	297	13.4	38.8	26.6	20.5	0.7	38.8	0.0	0.0	0.7	46.0	32.4
Norway	283	7.5	30.5	40.0	18.5	3.5	30.5	0.0	0.4	3.1	28.6	32.4
Portugal	365	7.4	25.0	33.8	29.6	4.2	25.0	0.0	0.3	3.9	26.9	23.2
Scotland	413	13.7	35.8	16.6	32.0	1.9	35.8	0.0	0.2	1.7	37.3	34.4
Singapore	890	14.7	62.0	15.4	7.6	0.3	62.0	0.0	0.3	0.0	63.7	60.4
Slovenia	318	6.3	35.9	44.4	10.4	3.1	35.9	0.3	0.8	1.9	40.5	32.1
Thailand	350	9.4	40.0	26.1	23.4	1.1	40.0	0.0	0.0	1.1	41.8	38.2
United States	897	10.6	61.2	16.6	10.0	1.6	61.2	0.1	0.0	1.5	66.8	54.1
INTERNATIONAL AVG	.	10.5	36.4	31.1	18.7	3.3	36.4	0.1	0.5	2.6	38.1	34.9

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: P07 KEY: D
 Which of the following travels fastest? (light) (Physical Science)
 Difficulty: 632

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	826	6.1	9.4	24.5	59.3	0.6	59.3	0.0	0.0	0.6	49.0	68.9
Austria	331	8.8	25.9	21.8	42.8	0.8	42.8	0.3	0.2	0.3	31.0	54.8
Canada	1047	9.0	10.6	35.6	44.4	0.4	44.4	0.0	0.0	0.4	34.0	52.0
Cyprus	413	9.5	25.9	39.5	23.2	2.0	23.2	0.0	0.6	1.4	15.8	30.5
Czech Republic	408	4.7	15.6	25.7	53.2	0.8	53.2	0.2	0.0	0.5	41.6	65.9
England	394	7.4	8.7	33.1	50.4	0.4	50.4	0.0	0.0	0.4	47.5	53.7
Greece	383	3.4	34.4	29.3	29.5	3.4	29.5	0.3	0.8	2.3	20.5	38.9
Hong Kong	557	6.5	22.9	25.7	43.8	1.1	43.8	0.0	0.0	1.1	31.8	54.0
Hungary	379	7.9	16.1	21.2	49.5	5.3	49.5	0.0	2.3	3.0	38.9	59.8
Iceland	220	20.3	14.8	22.8	37.1	5.0	37.1	0.0	3.4	1.7	17.2	57.3
Iran, Islamic Rep.	422	6.2	33.9	24.3	33.5	2.0	33.5	0.5	0.7	0.8	25.4	41.2
Ireland	367	9.9	14.0	36.4	38.7	1.0	38.7	0.5	0.6	0.0	30.0	47.8
Israel	291	7.9	35.5	9.5	43.3	3.8	43.3	0.9	1.7	1.2	28.3	57.9
Japan	534	4.8	22.9	13.9	58.3	0.2	58.3	0.0	0.2	0.0	45.0	71.5
Korea	346	0.8	16.5	18.1	63.7	0.9	63.7	0.0	0.4	0.5	55.7	71.8
Kuwait	531	17.3	29.9	33.4	15.6	3.7	15.6	0.0	1.4	2.3	11.6	19.5
Latvia (LSS)	275	3.7	12.2	40.2	40.8	3.2	40.8	0.0	1.1	2.1	33.6	47.6
Netherlands	320	6.7	26.3	39.5	27.3	0.2	27.3	0.2	0.0	0.0	18.6	36.6
New Zealand	297	7.5	10.9	25.8	55.6	0.2	55.6	0.0	0.0	0.2	42.5	67.2
Norway	283	6.7	22.4	21.1	48.2	1.6	48.2	0.0	0.4	1.2	36.9	58.7
Portugal	365	11.9	32.0	21.6	32.6	1.8	32.6	0.0	0.3	1.5	24.4	40.5
Scotland	413	15.1	14.0	35.4	34.4	1.0	34.4	0.0	0.5	0.5	21.3	46.6
Singapore	890	7.7	21.9	31.7	38.1	0.6	38.1	0.0	0.3	0.3	31.2	44.4
Slovenia	318	3.1	19.1	26.5	49.6	1.7	49.6	0.5	0.8	0.4	42.2	57.0
Thailand	350	8.6	30.6	37.8	21.8	1.3	21.8	0.0	0.0	1.3	14.7	29.3
United States	897	7.7	14.2	34.0	42.9	1.1	42.9	0.0	0.1	1.1	34.2	53.9
INTERNATIONAL AVG	.	8.0	20.8	28.0	41.4	1.7	41.4	0.1	0.6	1.0	31.6	51.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P08 KEY: E
 Birds are different from insects in that birds have... (Life Science)
 Difficulty: 562

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	826	16.3	0.7	0.7	4.0	75.4	2.9	75.4	0.0	0.0	2.9	74.7	76.1
Austria	331	16.8	2.0	1.2	8.3	70.7	0.9	70.7	0.7	0.2	0.0	67.6	72.9
Canada	1047	19.9	0.6	1.1	2.4	73.0	3.0	73.0	2.1	0.0	0.8	74.4	70.1
Cyprus	413	45.4	2.8	3.4	15.9	28.3	4.1	28.3	1.5	0.6	2.1	28.3	28.2
Czech Republic	408	14.5	1.1	0.6	4.0	76.6	3.2	76.6	2.5	0.3	0.4	75.0	78.4
England	394	32.1	0.3	0.9	2.7	62.7	1.4	62.7	0.0	0.0	1.4	67.3	57.3
Greece	383	26.4	3.1	2.7	3.4	58.6	5.7	58.6	2.8	0.8	2.1	60.1	57.0
Hong Kong	557	41.7	1.9	6.0	4.3	41.4	4.7	41.4	3.2	0.0	1.4	40.4	42.3
Hungary	379	18.6	0.4	0.2	10.7	48.2	22.0	48.2	0.0	2.3	19.7	48.4	48.9
Iceland	220	26.6	0.9	0.0	9.9	55.0	7.6	55.0	2.5	4.1	0.9	62.4	47.5
Iran, Islamic Rep.	422	30.3	5.7	6.1	16.8	28.9	12.2	28.9	3.9	0.7	7.6	29.1	28.6
Ireland	367	32.2	0.5	0.2	1.6	63.0	2.5	63.0	1.8	0.6	0.2	67.7	58.1
Israel	291	37.5	5.7	3.0	8.8	41.1	3.9	41.1	1.4	1.7	0.9	35.6	46.0
Japan	534	17.7	0.8	0.8	2.9	77.3	0.5	77.3	0.0	0.2	0.4	77.5	77.0
Korea	346	19.2	9.1	0.0	5.5	65.3	0.9	65.3	0.0	0.4	0.5	63.3	67.4
Kuwait	530	22.3	5.7	2.6	6.6	58.4	4.3	58.4	0.0	1.4	2.9	59.4	57.5
Latvia (LSS)	275	31.9	2.8	1.6	11.4	46.2	6.1	46.2	0.0	1.1	5.0	51.1	41.5
Netherlands	320	31.3	1.6	2.1	4.8	56.6	3.6	56.6	3.6	0.0	0.0	55.7	58.6
New Zealand	297	19.0	0.5	3.3	4.9	68.9	3.3	68.9	0.0	0.0	3.3	71.9	66.3
Norway	283	25.8	0.4	2.2	3.8	64.5	3.3	64.5	0.0	0.4	2.9	69.2	59.7
Portugal	365	34.3	1.1	3.0	8.2	43.2	10.2	43.2	0.0	0.5	9.7	37.2	49.1
Scotland	413	26.6	0.3	0.9	2.7	67.2	2.4	67.2	1.5	0.5	0.4	71.1	63.6
Singapore	890	21.2	2.0	1.0	1.1	73.5	1.2	73.5	0.0	0.3	0.9	70.4	76.3
Slovenia	318	43.4	0.8	0.4	6.2	41.7	7.4	41.7	5.2	0.8	1.4	40.8	43.0
Thailand	350	23.2	2.3	3.3	12.2	57.6	1.3	57.6	0.0	0.4	0.9	57.0	58.3
United States	897	24.6	1.0	0.5	2.8	69.0	1.9	69.0	0.5	0.1	1.3	70.2	67.5
INTERNATIONAL AVG	.	26.9	2.1	1.8	6.4	58.2	4.6	58.2	1.3	0.7	2.7	58.7	57.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P09 KEY: A
 Seeds develop from which part of a plant? (Life Science)
 Difficulty: 619

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	826	38.0	3.0	47.0	10.6	1.3	38.0	0.0	0.0	1.3	36.3	39.8
Austria	331	71.3	0.7	23.5	4.0	0.6	71.3	0.0	0.2	0.4	68.4	74.1
Canada	1047	32.7	3.2	53.8	9.6	0.8	32.7	0.0	0.0	0.8	38.7	25.4
Cyprus	413	44.1	2.5	42.9	8.2	2.3	44.1	0.0	0.6	1.7	41.5	46.6
Czech Republic	408	78.8	1.0	13.1	6.3	0.8	78.8	0.2	0.3	0.2	74.2	83.8
England	394	34.7	4.7	50.6	9.2	0.8	34.7	0.0	0.0	0.8	33.9	35.7
Greece	383	36.8	2.5	35.9	20.6	4.2	36.8	0.0	0.8	3.4	38.8	34.8
Hong Kong	557	62.1	3.2	24.0	8.6	2.1	62.1	0.0	0.0	2.1	60.6	63.5
Hungary	379	65.3	1.6	22.6	5.3	5.1	65.3	0.0	2.3	2.8	63.6	66.7
Iceland	220	29.3	3.1	52.4	8.8	6.4	29.3	0.5	4.1	1.8	31.6	26.9
Iran, Islamic Rep.	422	23.2	6.8	48.3	17.0	4.7	23.2	0.6	1.5	2.6	23.2	23.3
Ireland	367	21.7	4.7	64.3	8.3	1.0	21.7	0.2	0.6	0.2	17.8	25.8
Israel	291	44.8	1.7	38.3	12.6	2.6	44.8	0.0	1.7	0.9	46.0	43.6
Japan	534	68.4	5.2	19.1	6.8	0.4	68.4	0.0	0.2	0.2	70.1	66.7
Korea	346	55.2	4.9	24.9	13.1	1.9	55.2	0.0	0.4	1.5	53.3	57.2
Kuwait	531	22.1	6.4	49.4	15.9	6.1	22.1	0.0	2.1	4.0	22.8	21.5
Latvia (LSS)	276	66.3	1.2	24.8	4.9	2.7	66.3	0.0	1.1	1.6	69.8	63.1
Netherlands	320	46.0	3.8	38.0	10.8	1.3	46.0	1.3	0.0	0.0	42.9	50.1
New Zealand	297	33.4	4.1	53.0	7.6	1.9	33.4	0.0	0.0	1.9	27.5	38.7
Norway	283	33.1	4.0	55.3	6.6	1.0	33.1	0.0	0.4	0.6	31.8	34.7
Portugal	365	20.3	3.0	62.3	12.1	2.3	20.3	0.0	0.5	1.8	22.7	18.1
Scotland	413	25.5	5.1	58.9	8.7	1.8	25.5	0.3	0.5	1.0	20.8	29.6
Singapore	890	63.5	4.3	21.4	10.2	0.6	63.5	0.0	0.3	0.4	66.0	61.2
Slovenia	318	68.1	1.4	26.5	3.0	1.0	68.1	0.2	0.8	0.0	68.3	68.7
Thailand	350	69.0	5.8	15.0	8.2	1.9	69.0	0.0	0.4	1.5	64.9	73.4
United States	897	37.3	4.7	45.5	10.5	2.0	37.3	0.2	0.1	1.8	36.1	38.7
INTERNATIONAL AVG	.	45.8	3.6	38.9	9.5	2.2	45.8	0.1	0.7	1.4	45.1	46.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q01 KEY: B
 Shown pictures of the stages in a butterfly's development, in which order did they take place? (Life Science)
 Difficulty: 527

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	15.8	80.9	1.5	0.8	1.0	80.9	0.0	0.2	0.9	79.7	82.0
Austria	334	26.9	69.6	1.7	1.1	0.6	69.6	0.0	0.2	0.4	74.7	65.0
Canada	1033	16.9	78.5	1.2	2.0	1.4	78.5	0.4	0.0	1.0	79.3	78.1
Cyprus	445	32.7	52.7	4.4	6.3	3.9	52.7	0.2	0.0	3.6	50.1	55.3
Czech Republic	399	17.7	79.1	1.6	0.9	0.7	79.1	0.0	0.0	0.7	76.8	81.4
England	379	23.0	72.9	2.7	1.4	0.0	72.9	0.0	0.0	0.0	70.7	75.5
Greece	377	27.4	57.0	6.1	2.6	7.0	57.0	0.5	1.3	5.2	50.2	62.9
Hong Kong	544	17.0	82.3	0.2	0.4	0.1	82.3	0.0	0.0	0.1	80.5	84.3
Hungary	365	29.3	67.4	0.6	1.6	1.2	67.4	0.0	0.4	0.7	67.2	67.6
Iceland	235	38.7	49.5	2.5	2.8	6.5	49.5	0.3	2.3	3.9	42.0	56.0
Iran, Islamic Rep.	422	57.1	19.4	11.7	6.4	5.5	19.4	0.4	0.1	4.9	11.7	26.2
Ireland	355	29.9	64.8	3.0	1.3	1.0	64.8	0.3	0.3	0.3	63.2	66.7
Israel	258	34.7	51.1	7.6	4.2	2.5	51.1	0.0	1.1	1.4	49.3	51.2
Japan	538	6.8	92.4	0.4	0.2	0.2	92.4	0.0	0.0	0.2	92.1	92.8
Korea	355	12.5	85.5	2.0	0.0	0.0	85.5	0.0	0.0	0.0	86.8	83.9
Kuwait	536	48.3	30.9	9.3	5.1	6.5	30.9	0.0	0.7	5.8	28.4	33.3
Latvia (LSS)	274	38.6	53.7	5.1	1.2	1.4	53.7	0.0	0.0	1.4	53.2	54.3
Netherlands	317	12.7	86.0	0.6	0.7	0.0	86.0	0.0	0.0	0.0	82.5	89.8
New Zealand	298	18.3	75.7	2.1	2.8	1.2	75.7	0.0	0.4	0.8	86.0	65.2
Norway	291	27.7	67.3	1.8	0.4	2.9	67.3	0.0	0.8	2.1	63.3	71.6
Portugal	348	40.2	43.8	8.3	4.5	3.1	43.8	0.0	0.3	2.9	41.9	45.5
Scotland	401	20.9	71.7	4.0	2.6	0.8	71.7	0.6	0.0	0.2	70.1	72.8
Singapore	883	23.3	73.2	2.7	0.6	0.2	73.2	0.0	0.0	0.2	66.5	79.3
Slovenia	324	36.3	55.7	4.5	1.9	1.5	55.7	0.0	0.0	1.5	54.6	56.7
Thailand	323	56.4	33.2	6.4	3.5	0.5	33.2	0.0	0.0	0.5	36.3	29.8
United States	912	16.9	79.5	1.1	1.2	1.3	79.5	0.0	0.0	1.3	77.3	81.6
INTERNATIONAL AVG	.	27.9	64.4	3.6	2.2	2.0	64.4	0.1	0.3	1.5	62.9	65.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q02 KEY: C
 What is the best reason for including fruits and leafy vegetables in a healthy diet? (Life Science)
 Difficulty: 513

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	5.9	18.8	57.4	14.8	3.2	57.4	0.0	0.2	2.9	57.5	57.2
Austria	334	2.1	0.7	92.3	2.5	2.4	92.3	0.0	0.2	2.2	95.9	89.1
Canada	1033	7.1	23.3	58.4	9.4	1.8	58.4	0.0	0.7	1.1	53.6	62.8
Cyprus	445	14.0	31.0	43.7	5.8	5.5	43.7	0.2	0.8	4.5	43.9	43.6
Czech Republic	399	4.7	9.5	82.8	1.5	1.5	82.8	0.0	0.0	1.5	85.4	80.3
England	379	8.4	19.9	58.5	11.7	1.6	58.5	0.0	0.0	1.6	63.2	53.2
Greece	377	11.3	27.3	46.2	10.5	4.7	46.2	0.0	1.3	3.4	47.0	45.6
Hong Kong	544	14.2	8.1	74.1	2.6	1.0	74.1	0.0	0.0	1.0	79.7	70.0
Hungary	365	5.1	5.2	82.2	5.5	2.0	82.2	0.0	0.4	1.6	80.8	83.1
Iceland	235	8.0	11.3	65.3	9.4	5.9	65.3	0.2	2.8	3.0	68.9	62.1
Iran, Islamic Rep.	422	17.7	18.0	38.9	20.0	5.3	38.9	1.2	0.5	3.7	36.7	40.9
Ireland	355	5.8	17.5	62.0	12.9	1.8	62.0	0.3	0.3	1.2	66.8	56.3
Israel	258	12.4	5.4	72.1	6.0	4.2	72.1	0.4	1.1	2.7	72.4	70.6
Japan	538	16.6	12.5	64.0	6.7	0.2	64.0	0.0	0.0	0.2	63.3	64.5
Korea	355	2.6	14.2	78.5	4.7	0.0	78.5	0.0	0.0	0.0	81.5	75.2
Kuwait	536	7.1	21.4	45.0	17.5	9.0	45.0	0.0	1.4	7.6	47.8	42.4
Latvia (LSS)	274	9.0	6.0	73.1	7.2	4.7	73.1	0.0	0.0	4.7	74.2	71.8
Netherlands	317	1.0	1.5	92.5	4.4	0.5	92.5	0.3	0.0	0.2	89.8	95.6
New Zealand	298	7.8	17.0	55.3	17.0	2.8	55.3	0.0	0.4	2.4	56.7	53.8
Norway	291	7.7	5.5	77.0	4.7	5.1	77.0	0.0	0.8	4.3	80.7	73.0
Portugal	348	13.0	18.3	57.0	8.1	3.6	57.0	0.0	0.6	3.0	61.1	53.4
Scotland	401	6.8	17.7	59.4	13.6	2.6	59.4	0.0	0.0	2.6	58.0	61.0
Singapore	883	5.5	12.8	71.6	9.3	0.9	71.6	0.0	0.0	0.9	75.5	67.9
Slovenia	324	8.4	7.9	79.9	2.4	1.4	79.9	0.0	0.3	1.1	82.8	77.1
Thailand	323	2.6	26.4	44.8	25.8	0.5	44.8	0.0	0.0	0.5	48.0	41.2
United States	912	3.7	20.2	61.8	11.7	2.6	61.8	0.0	0.1	2.5	58.7	64.7
INTERNATIONAL AVG	.	8.0	14.5	65.2	9.4	2.9	65.2	0.1	0.5	2.3	66.5	63.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q03 KEY: B
 Which item is most likely to stay the same after being buried in wet ground for several years? (Physical Science)
 Difficulty: 582

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	17.0	62.9	9.0	9.2	2.0	62.9	0.0	0.4	1.6	63.9	61.9
Austria	334	13.6	66.2	8.0	10.3	1.9	66.2	0.2	0.2	1.4	66.3	65.9
Canada	1033	15.3	59.6	12.9	10.4	1.8	59.6	0.6	0.7	0.5	60.1	58.7
Cyprus	445	17.0	48.0	12.6	17.8	4.6	48.0	0.1	1.3	3.2	45.5	50.4
Czech Republic	399	14.1	60.2	5.6	18.7	1.4	60.2	0.6	0.0	0.9	60.0	60.4
England	379	19.6	59.5	10.1	10.3	0.4	59.5	0.0	0.0	0.4	56.9	62.5
Greece	377	17.3	49.8	9.5	18.9	4.6	49.8	0.3	1.3	3.1	54.1	46.0
Hong Kong	544	30.1	40.0	9.2	18.8	1.9	40.0	0.0	0.0	1.9	45.4	35.5
Hungary	365	8.3	76.2	6.6	5.6	3.3	76.2	0.0	0.4	2.9	72.9	78.9
Iceland	235	23.1	38.8	9.7	21.9	6.4	38.8	0.5	2.8	3.2	40.3	37.6
Iran, Islamic Rep.	422	23.8	37.4	10.4	24.1	4.3	37.4	0.4	0.9	3.0	31.7	42.4
Ireland	355	24.5	41.0	10.6	22.8	1.0	41.0	0.0	0.3	0.7	41.6	40.4
Israel	258	20.3	49.1	11.5	11.8	7.3	49.1	2.5	1.9	3.0	45.9	47.9
Japan	538	10.8	75.6	10.0	3.3	0.3	75.6	0.3	0.0	0.0	74.7	76.4
Korea	355	9.4	73.9	12.0	4.7	0.0	73.9	0.0	0.0	0.0	75.6	72.0
Kuwait	536	27.3	28.8	14.5	21.6	7.8	28.8	0.0	1.8	6.0	23.8	33.6
Latvia (LSS)	272	18.7	62.4	8.4	8.3	2.3	62.4	0.0	0.5	1.8	61.2	63.7
Netherlands	317	28.0	58.7	7.0	5.1	1.2	58.7	0.5	0.0	0.7	55.2	62.0
New Zealand	298	25.4	54.0	9.2	10.3	1.1	54.0	0.0	0.4	0.7	53.7	54.2
Norway	291	19.4	50.1	10.0	18.2	2.3	50.1	0.0	0.8	1.5	51.8	49.0
Portugal	348	21.4	37.7	11.9	24.8	4.1	37.7	0.0	0.7	3.4	40.0	35.7
Scotland	401	20.1	51.5	11.9	15.0	1.5	51.5	0.5	0.0	1.0	50.0	52.4
Singapore	883	30.7	40.3	11.0	17.2	0.9	40.3	0.0	0.0	0.9	40.7	39.9
Slovenia	324	13.3	66.5	11.0	8.1	1.0	66.5	0.0	0.3	0.8	65.4	67.1
Thailand	323	14.5	56.9	14.8	13.6	0.2	56.9	0.0	0.0	0.2	62.0	51.2
United States	912	22.9	51.1	10.4	14.0	1.5	51.1	0.0	0.1	1.4	47.0	55.0
INTERNATIONAL AVG	.	19.5	53.7	10.3	14.0	2.5	53.7	0.2	0.6	1.7	53.3	53.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q04
 When a glass jar is placed over a lighted candle, the flame goes out. Why does this happen? (Physical Science)
 Difficulty: 540

COUNTRY	N	NOT REACHED												OMIT	1.GIRL % Right	2.BOY % Right		
		10	11	12	19	70	71	72	76	79	90	99	V1					
Australia	808	25.5	40.3	2.8	0.1	3.9	3.2	1.1	2.0	12.2	0.9	7.9	68.8	0.0	0.4	7.5	64.6	72.9
Austria	334	31.5	44.1	6.6	0.5	0.3	0.0	0.0	2.1	3.8	4.2	6.8	82.8	0.0	0.2	6.6	79.4	84.9
Canada	1033	17.0	39.4	4.2	0.6	1.8	3.3	0.6	1.3	18.0	2.4	11.3	61.3	0.0	1.2	10.1	53.3	68.9
Cyprus	445	33.2	21.4	1.5	0.0	0.1	2.0	2.0	1.4	19.3	0.4	18.8	56.1	0.0	1.7	17.1	51.3	60.6
Czech Republic	399	20.5	60.3	3.8	0.0	0.3	1.2	0.3	2.0	6.1	0.2	5.3	84.6	0.0	0.0	5.3	82.0	87.1
England	379	19.2	46.1	0.5	0.5	3.3	5.6	3.2	2.2	12.1	1.7	5.6	66.3	0.0	0.0	5.6	66.0	66.6
Greece	377	12.5	32.9	4.0	0.3	0.7	4.1	1.1	0.8	9.1	0.8	33.6	49.8	0.0	1.3	32.3	47.8	51.5
Hong Kong	541	11.6	52.5	3.0	0.8	0.3	0.6	0.3	1.7	15.7	0.5	13.1	67.9	0.0	0.0	13.1	64.7	71.3
Hungary	365	31.9	39.5	2.3	2.8	0.3	0.9	1.3	0.7	9.1	1.3	9.9	76.6	0.0	0.4	9.5	71.6	81.6
Iceland	235	24.5	19.5	16.0	1.9	0.0	1.9	0.0	1.9	4.7	1.2	28.3	61.9	0.0	3.2	25.1	63.8	60.3
Iran, Islamic Rep.	422	2.0	24.9	5.8	0.5	1.7	1.5	0.1	7.4	26.1	0.9	29.0	33.3	0.0	0.9	28.1	27.3	38.5
Ireland	355	10.8	48.3	3.0	0.0	2.1	3.9	1.5	1.6	16.2	2.7	9.9	62.1	0.0	0.3	9.5	59.4	65.3
Israel	258	35.7	17.6	6.2	0.4	2.7	4.2	1.8	2.2	10.7	0.7	17.8	59.9	0.0	1.9	16.0	53.4	65.4
Japan	538	5.7	39.5	0.0	2.5	1.2	4.0	1.4	0.4	36.8	1.5	7.0	47.7	0.0	0.0	7.0	41.3	53.7
Korea	355	9.2	59.5	4.1	0.8	0.3	6.3	0.3	1.2	15.7	1.8	0.7	73.7	0.0	0.0	0.7	72.4	75.2
Kuwait	536	7.4	21.1	4.6	6.2	2.4	1.0	0.4	1.9	5.4	0.0	49.5	39.3	2.4	2.0	45.1	42.3	36.5
Latvia (LSS)	274	11.1	46.2	4.9	0.3	0.5	2.0	1.3	1.1	16.4	0.3	15.7	62.5	0.0	1.2	14.6	58.5	67.1
Netherlands	317	24.7	48.2	1.6	0.0	2.5	2.6	0.6	1.7	16.0	0.3	1.9	74.5	0.0	0.0	1.9	64.2	84.2
New Zealand	298	18.5	44.7	2.1	1.1	1.2	5.3	0.8	1.3	13.5	0.5	11.1	66.4	0.0	0.4	10.7	64.9	67.9
Norway	291	26.8	37.2	11.3	0.0	0.7	1.0	0.2	1.3	6.6	0.9	14.0	75.3	0.0	0.8	13.2	72.0	79.2
Portugal	348	26.8	31.4	2.3	2.0	1.2	2.3	2.1	1.8	7.7	1.7	20.7	62.5	0.0	0.7	20.0	63.5	61.7
Scotland	401	15.3	45.6	3.8	0.9	3.3	3.5	3.3	1.4	11.1	1.0	10.8	65.6	0.0	0.3	10.5	62.6	68.0
Singapore	883	53.1	24.0	0.5	0.2	0.2	4.5	0.9	3.7	8.9	1.2	2.8	77.8	0.0	0.0	2.8	75.9	79.4
Slovenia	324	58.7	33.9	0.9	0.5	0.0	0.6	0.0	1.4	1.2	0.7	2.2	94.0	0.0	0.3	1.9	92.1	95.8
Thailand	323	0.5	35.0	1.2	0.6	4.5	3.4	1.9	6.6	18.0	0.0	28.2	37.3	0.0	0.0	28.2	34.4	40.6
United States	912	23.6	34.4	3.5	0.4	3.6	4.5	0.7	4.6	17.9	0.5	6.2	61.9	0.0	0.1	6.2	53.2	70.1
INTERNATIONAL AVG	.	21.4	38.0	3.9	0.9	1.5	2.8	1.0	2.1	13.0	1.1	14.2	64.2	0.1	0.7	13.4	60.8	67.5

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Q05 KEY: B
 When an animal breathes faster and its heart beats faster, the animal is most likely... (Life Science)
 Difficulty: 484

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	9.1	77.7	5.6	5.4	2.1	77.7	0.0	0.4	1.7	77.2	78.2
Austria	334	5.7	77.0	10.6	5.2	1.5	77.0	0.1	0.2	1.3	78.7	74.7
Canada	1033	8.9	75.4	6.9	6.8	2.1	75.4	0.2	1.2	0.7	76.3	75.2
Cyprus	445	8.7	78.5	6.1	3.3	3.4	78.5	0.0	2.0	1.4	78.0	78.9
Czech Republic	399	5.4	75.2	13.1	4.7	1.6	75.2	0.9	0.0	0.8	74.9	75.5
England	379	11.9	77.0	5.9	4.9	0.3	77.0	0.0	0.0	0.3	75.3	78.9
Greece	377	8.4	75.5	9.8	2.6	3.8	75.5	0.7	1.3	1.8	76.2	74.8
Hong Kong	544	7.7	86.8	1.8	2.9	0.8	86.8	0.0	0.0	0.8	88.5	86.4
Hungary	365	8.7	67.7	16.6	3.9	3.0	67.7	0.0	0.9	2.1	69.9	66.3
Iceland	235	9.5	70.7	8.1	5.2	6.4	70.7	0.0	3.9	2.5	74.0	67.9
Iran, Islamic Rep.	422	7.8	70.9	11.3	6.7	3.3	70.9	0.0	0.9	2.4	76.4	66.2
Ireland	355	10.7	72.4	7.0	9.4	0.6	72.4	0.0	0.3	0.2	72.1	72.7
Israel	258	17.2	68.8	5.2	4.1	4.7	68.8	0.4	2.2	2.1	70.6	66.9
Japan	538	19.5	72.9	5.1	2.4	0.0	72.9	0.0	0.0	0.0	77.9	68.2
Korea	355	21.7	72.5	3.6	1.8	0.3	72.5	0.0	0.0	0.3	75.0	69.6
Kuwait	536	18.0	52.0	16.1	8.9	5.0	52.0	0.0	2.4	2.6	54.2	50.0
Latvia (LSS)	274	4.9	77.5	7.9	8.1	1.6	77.5	0.0	1.2	0.5	78.7	76.1
Netherlands	317	7.2	75.5	14.4	2.3	0.6	75.5	0.6	0.0	0.0	79.5	73.2
New Zealand	298	9.5	73.5	6.5	8.0	2.5	73.5	0.0	1.0	1.5	79.0	67.9
Norway	291	7.8	74.4	9.5	5.4	2.9	74.4	0.0	1.2	1.6	74.7	74.5
Portugal	348	10.4	59.3	20.6	6.5	3.1	59.3	0.0	1.0	2.1	65.0	54.4
Scotland	401	11.4	73.2	10.0	3.9	1.4	73.2	0.4	0.5	0.6	75.2	71.3
Singapore	883	6.6	76.5	11.5	4.9	0.4	76.5	0.0	0.0	0.4	80.7	72.5
Slovenia	324	4.3	78.6	9.9	5.2	2.1	78.6	0.4	0.3	1.4	78.1	79.9
Thailand	323	15.4	57.8	11.6	13.8	1.5	57.8	0.0	0.0	1.5	55.1	60.8
United States	912	6.6	79.6	8.9	3.5	1.4	79.6	0.0	0.1	1.3	81.8	77.5
INTERNATIONAL AVG	.	10.1	73.0	9.4	5.4	2.2	73.0	0.1	0.8	1.2	74.7	71.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q06 KEY: C
 Which of the following pictures does not show an insect? (Life Science)
 Difficulty: 619

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	16.9	5.8	63.2	11.2	2.8	63.2	0.0	0.4	2.3	59.0	67.4
Austria	334	26.6	11.8	43.4	14.1	4.1	43.4	0.4	0.2	3.5	40.9	45.2
Canada	1033	24.7	5.6	59.5	5.8	4.4	59.5	0.0	1.2	3.2	52.7	65.5
Cyprus	445	18.6	9.3	37.2	20.5	14.5	37.2	1.4	2.0	11.1	39.6	35.0
Czech Republic	399	25.5	19.5	32.2	11.0	11.8	32.2	7.3	0.0	4.5	26.6	37.7
England	379	38.1	8.6	43.3	5.3	4.7	43.3	0.0	0.0	4.7	39.7	47.3
Greece	377	14.4	4.5	38.6	26.6	15.9	38.6	1.6	1.3	13.0	41.0	36.5
Hong Kong	543	9.0	10.9	60.9	15.6	3.7	60.9	0.2	0.0	3.5	57.6	64.6
Hungary	365	35.1	15.5	30.5	11.8	7.1	30.5	0.4	0.9	5.8	27.7	33.7
Iceland	235	43.3	11.3	19.9	10.5	15.1	19.9	0.3	3.9	10.9	19.8	19.9
Iran, Islamic Rep.	422	22.0	18.7	21.9	15.1	22.3	21.9	3.2	0.9	18.2	24.3	19.7
Ireland	355	41.6	13.1	40.0	3.2	2.2	40.0	0.7	0.3	1.1	36.0	44.7
Israel	258	57.6	5.3	21.2	7.3	8.5	21.2	0.0	2.2	6.3	17.8	24.0
Japan	538	3.6	1.1	77.4	16.3	1.5	77.4	0.3	0.0	1.1	75.8	78.9
Korea	355	5.6	1.1	81.4	11.3	0.6	81.4	0.0	0.0	0.6	79.5	83.6
Kuwait	536	16.0	8.7	38.1	21.1	16.1	38.1	0.0	2.4	13.7	40.5	35.9
Latvia (LSS)	272	52.2	8.4	19.5	6.6	13.4	19.5	0.0	1.2	12.3	16.9	22.3
Netherlands	317	30.3	9.0	44.7	15.1	0.9	44.7	0.9	0.0	0.0	39.7	50.4
New Zealand	298	25.7	5.9	53.0	7.9	7.5	53.0	0.0	1.4	6.2	49.4	56.7
Norway	291	27.2	11.0	33.9	20.1	7.9	33.9	0.8	1.2	5.8	31.1	34.4
Portugal	347	20.2	10.7	26.4	26.6	16.1	26.4	0.0	1.1	15.0	24.8	27.7
Scotland	401	36.1	10.9	44.2	1.8	7.1	44.2	0.9	0.5	5.7	39.4	47.8
Singapore	883	14.3	8.5	66.5	9.9	0.7	66.5	0.0	0.0	0.7	63.8	69.1
Slovenia	324	30.4	14.2	39.0	11.1	5.2	39.0	3.0	0.3	2.0	40.9	37.8
Thailand	323	19.5	11.0	10.4	47.1	12.1	10.4	0.0	0.0	12.1	15.8	4.2
United States	912	24.6	5.4	62.0	4.4	3.5	62.0	0.1	0.1	3.3	58.7	65.1
INTERNATIONAL AVG	.	26.1	9.5	42.6	13.7	8.1	42.6	0.8	0.8	6.4	40.7	44.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q07 KEY: D
 Which of the following statements is not an observation? (Environment and other content)
 Difficulty: 625

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	16.3	15.6	8.8	57.4	1.9	57.4	0.0	0.5	1.4	58.9	56.0
Austria	334	18.4	28.4	7.4	42.1	3.7	42.1	0.5	0.2	3.1	40.0	42.9
Canada	1033	17.1	15.2	9.8	53.8	4.1	53.8	0.7	1.3	2.1	52.3	55.7
Cyprus	445	17.2	25.3	20.8	29.0	7.7	29.0	0.3	2.4	5.1	27.4	30.4
Czech Republic	399	24.8	12.8	11.5	46.8	4.1	46.8	0.2	0.0	3.9	44.4	49.2
England	379	17.2	17.3	9.6	52.6	3.4	52.6	0.0	0.3	3.1	52.9	52.3
Greece	377	19.2	22.3	19.3	28.0	11.1	28.0	0.5	3.0	7.7	31.2	25.2
Hong Kong	543	15.7	22.2	14.6	46.5	1.0	46.5	0.5	0.0	0.4	49.2	44.9
Hungary	365	17.1	23.5	11.1	43.6	4.6	43.6	0.0	0.9	3.7	54.6	33.0
Iceland	235	31.8	21.6	11.9	27.2	7.5	27.2	0.0	4.5	3.0	23.8	30.1
Iran, Islamic Rep.	422	19.6	31.0	15.8	21.5	12.1	21.5	0.0	1.3	10.8	20.7	22.2
Ireland	355	19.4	15.1	12.3	50.5	2.7	50.5	0.3	0.3	2.0	52.8	47.8
Israel	258	22.1	13.3	16.1	40.3	8.3	40.3	0.3	2.6	5.4	41.4	40.9
Japan	538	22.2	11.3	10.3	55.9	0.2	55.9	0.0	0.0	0.2	59.5	52.5
Korea	355	22.0	10.8	7.8	59.2	0.3	59.2	0.0	0.0	0.3	64.7	52.9
Kuwait	536	24.3	26.4	20.0	17.5	11.7	17.5	0.0	2.8	8.9	20.4	14.8
Latvia (LSS)	274	19.2	23.7	17.5	32.7	6.9	32.7	0.0	1.2	5.7	35.1	29.9
Netherlands	317	20.6	15.2	11.2	52.6	0.4	52.6	0.4	0.0	0.0	59.4	45.4
New Zealand	298	10.3	24.2	12.7	50.3	2.4	50.3	0.0	1.4	1.1	55.6	44.9
Norway	291	9.7	15.5	11.3	54.0	9.5	54.0	3.1	2.3	4.1	56.5	51.8
Portugal	348	19.9	25.5	15.6	32.2	6.8	32.2	0.0	1.8	4.9	36.0	29.0
Scotland	401	15.9	19.9	11.3	50.3	2.6	50.3	0.6	0.5	1.5	54.1	46.8
Singapore	883	17.8	22.3	15.3	44.1	0.6	44.1	0.0	0.0	0.6	44.9	43.4
Slovenia	324	22.9	20.9	15.7	37.9	2.6	37.9	0.3	0.6	1.6	35.7	40.4
Thailand	323	18.2	19.4	24.6	36.6	1.2	36.6	0.0	0.0	1.2	35.9	37.4
United States	912	15.5	12.1	12.7	58.2	1.5	58.2	0.1	0.1	1.2	57.7	58.6
INTERNATIONAL AVG	.	19.0	19.6	13.7	43.1	4.6	43.1	0.3	1.1	3.2	44.8	41.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q08
 Shown picture of pencil lying in front of mirror, draw reflection of the pencil. (Physical Science)
 Difficulty: 599

COUNTRY	N											NOT		1.GIRL % Right	2.BOY % Right		
		10	11	12	70	71	72	73	79	90	99	V1	INVAL ID			REACH ED	OMIT
Australia	808	51.6	4.4	0.3	5.2	1.7	26.2	2.3	2.3	0.8	5.3	56.2	0.0	0.5	4.8	53.2	59.1
Austria	334	46.9	1.3	4.5	9.4	1.0	22.5	2.5	2.1	2.3	7.5	52.6	0.0	0.2	7.3	48.2	55.1
Canada	1033	49.0	0.4	3.3	3.5	0.9	27.5	1.9	3.4	1.4	8.8	52.7	0.0	1.5	7.3	47.2	57.1
Cyprus	445	20.4	0.1	3.8	0.7	0.6	30.5	1.3	7.1	0.1	35.4	24.3	0.0	3.1	32.3	26.1	22.5
Czech Republic	397	46.3	0.0	9.9	3.8	2.2	20.5	2.0	6.2	1.8	7.3	56.3	0.0	0.5	6.8	50.7	61.8
England	379	54.1	1.1	6.1	6.4	1.0	16.3	2.4	3.0	2.9	6.7	61.3	0.0	0.3	6.4	61.5	61.1
Greece	377	20.4	0.6	7.8	1.4	1.6	35.6	2.3	3.3	7.1	19.9	28.8	0.0	3.0	16.9	28.2	29.2
Hong Kong	540	55.7	0.0	4.0	8.6	2.1	12.7	4.0	5.3	0.2	7.4	59.7	0.0	0.0	7.4	53.3	65.8
Hungary	365	52.6	0.0	5.3	1.7	0.4	20.5	4.8	6.0	1.8	6.8	57.9	0.0	0.9	5.9	53.6	62.7
Iceland	233	42.7	0.0	7.6	4.5	1.8	17.4	2.2	4.9	0.0	18.9	50.3	0.0	4.6	14.3	49.1	51.3
Iran, Islamic Rep.	422	11.1	0.1	5.4	0.6	0.1	16.3	1.0	3.4	1.2	60.7	16.6	0.0	2.0	58.7	16.7	16.5
Ireland	355	29.0	0.5	8.0	8.2	2.2	34.2	1.5	7.4	2.1	6.9	37.6	0.0	0.6	6.3	36.6	38.6
Israel	258	33.9	0.4	3.1	4.0	1.2	27.7	1.5	4.6	2.4	21.2	37.4	0.0	4.1	17.1	40.9	34.4
Japan	538	59.7	0.5	1.6	7.1	1.4	14.5	2.0	7.6	1.3	4.2	61.8	0.0	0.0	4.2	60.9	62.7
Korea	355	53.7	0.8	4.1	8.1	0.3	20.1	0.8	9.0	2.9	0.3	58.6	0.0	0.0	0.3	58.4	58.8
Kuwait	536	17.4	2.1	0.6	2.1	0.4	17.9	2.3	6.3	0.0	50.9	20.1	1.6	3.7	45.6	20.2	20.0
Latvia (LSS)	274	41.2	1.3	4.6	2.2	1.4	32.0	3.4	1.6	0.3	12.1	47.1	0.0	1.5	10.6	42.1	52.8
Netherlands	317	56.6	0.4	6.5	4.9	1.4	19.4	3.2	6.3	0.0	1.3	63.5	0.0	0.0	1.3	63.6	63.3
New Zealand	298	42.3	0.5	1.5	6.0	1.4	25.2	1.5	5.1	2.2	14.1	44.3	0.0	1.9	12.2	43.5	45.2
Norway	291	34.3	1.5	6.1	5.7	0.5	29.0	2.0	8.5	1.1	11.3	41.9	0.0	2.3	8.9	31.7	51.0
Portugal	348	29.4	0.8	7.0	1.5	1.2	26.0	1.4	5.5	2.3	25.0	37.2	0.0	1.8	23.1	37.6	36.8
Scotland	401	51.6	0.3	5.6	3.6	0.7	21.0	2.2	3.8	1.1	10.0	57.6	0.0	0.5	9.5	54.9	59.6
Singapore	883	65.5	0.3	0.3	4.0	0.4	18.0	1.5	2.2	3.7	4.1	66.0	0.0	0.0	4.1	63.6	68.2
Slovenia	324	49.8	0.3	4.6	3.4	1.0	28.7	1.9	3.3	0.3	6.6	54.7	0.0	0.6	6.0	47.4	62.1
Thailand	323	25.5	3.6	8.9	1.5	0.5	15.5	0.5	7.2	0.0	36.9	38.0	0.0	0.3	36.5	39.1	36.9
United States	912	40.4	0.2	2.3	3.9	1.6	29.2	3.7	7.5	0.7	10.4	42.9	0.0	0.1	10.3	39.9	45.7
INTERNATIONAL AVG	.	41.6	0.8	4.7	4.3	1.1	23.2	2.2	5.1	1.5	15.4	47.1	0.1	1.3	14.0	44.9	49.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Q09 KEY: C
 Why does the liquid in a thermometer rise when exposed to heat? (Physical Science)
 Difficulty: 568

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	6.0	5.6	72.2	13.8	2.3	72.2	0.0	0.5	1.8	72.4	71.9
Austria	334	12.0	2.8	65.5	16.4	3.3	65.5	0.0	0.2	3.1	63.8	67.3
Canada	1033	11.1	5.5	65.8	14.6	3.0	65.8	0.0	2.3	0.8	66.1	66.7
Cyprus	445	11.3	11.8	48.1	22.7	6.1	48.1	0.3	4.6	1.2	48.1	48.1
Czech Republic	397	5.4	2.8	57.8	30.7	3.3	57.8	0.0	1.1	2.3	52.8	62.8
England	379	6.3	3.7	71.7	15.5	2.8	71.7	0.0	0.3	2.5	74.0	69.1
Greece	377	17.5	3.8	56.1	13.6	9.0	56.1	0.0	4.2	4.8	46.9	63.9
Hong Kong	543	4.7	6.4	73.6	14.1	1.2	73.6	0.0	0.0	1.2	72.1	75.8
Hungary	365	12.7	3.7	49.4	31.1	3.2	49.4	0.0	0.9	2.3	46.7	52.2
Iceland	235	15.6	7.5	47.6	20.4	8.9	47.6	0.0	5.9	3.0	37.6	56.4
Iran, Islamic Rep.	422	14.6	10.6	34.4	33.8	6.6	34.4	0.3	3.0	3.3	29.3	38.9
Ireland	355	13.7	6.9	58.6	16.6	4.2	58.6	0.0	0.8	3.4	59.0	58.2
Israel	258	10.4	6.3	46.8	28.3	8.2	46.8	0.0	5.2	3.0	42.6	49.1
Japan	538	9.7	6.1	60.3	23.4	0.4	60.3	0.0	0.0	0.4	58.4	62.2
Korea	355	8.7	3.0	54.2	32.2	2.0	54.2	0.0	0.0	2.0	56.3	51.8
Kuwait	535	9.7	10.6	49.0	19.6	11.0	49.0	0.0	5.6	5.5	53.8	44.5
Latvia (LSS)	272	15.8	5.0	43.2	27.7	8.4	43.2	0.0	3.3	5.1	43.7	42.6
Netherlands	317	13.0	2.6	63.3	20.1	1.1	63.3	1.1	0.0	0.0	56.5	70.7
New Zealand	298	9.7	11.0	58.9	16.0	4.4	58.9	0.0	2.3	2.1	60.7	57.0
Norway	291	15.3	6.8	55.8	14.8	7.4	55.8	0.4	2.7	4.4	49.8	60.7
Portugal	348	17.3	9.9	41.9	23.6	7.2	41.9	0.0	1.8	5.4	40.2	43.4
Scotland	401	14.5	8.4	60.1	14.2	2.8	60.1	0.4	1.0	1.4	59.5	60.4
Singapore	883	9.7	7.4	70.4	11.5	1.0	70.4	0.0	0.0	1.0	71.9	68.8
Slovenia	324	16.3	8.9	40.3	30.3	4.1	40.3	0.3	0.6	3.2	36.6	44.4
Thailand	323	16.5	13.0	46.7	19.7	4.1	46.7	0.5	0.8	2.8	46.6	46.8
United States	912	7.7	6.8	68.7	15.1	1.7	68.7	0.0	0.1	1.5	67.3	70.1
INTERNATIONAL AVG	.	11.7	6.8	56.2	20.8	4.5	56.2	0.1	1.8	2.6	54.3	57.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R01
 A watering can is almost filled with water. Draw line to show surface of the water when can is tipped. (Physical Science)
 Difficulty: 755

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT		1.GIRL % Right	2.BOY % Right
											INVAL ID	REACH ED		
Australia	806	19.6	29.1	32.8	4.9	3.4	4.0	1.3	4.9	19.6	0.0	0.0	4.8	27.6
Austria	334	25.4	0.4	56.5	2.2	6.2	2.4	0.7	6.1	25.4	0.0	0.1	5.9	35.3
Canada	1037	22.3	0.5	47.3	5.4	6.9	8.1	1.3	8.1	22.3	0.0	2.0	6.1	28.2
Cyprus	444	13.5	0.0	38.0	7.1	6.3	11.8	1.2	22.1	13.5	0.0	0.0	22.1	16.7
Czech Republic	400	28.2	0.7	46.7	4.3	7.9	1.7	1.2	9.4	28.2	0.0	1.0	8.4	34.8
England	381	29.2	1.5	46.7	6.5	2.5	6.4	2.2	4.9	29.2	0.0	0.7	4.2	35.6
Greece	377	17.1	3.2	38.2	3.1	3.5	4.9	1.8	28.3	17.1	0.0	0.5	27.7	18.9
Hong Kong	545	28.4	2.1	51.1	0.5	4.3	2.2	0.0	11.2	28.4	0.0	0.5	10.8	35.7
Hungary	365	26.3	0.0	43.5	10.0	3.9	3.6	1.9	10.8	26.3	0.0	1.3	9.5	35.2
Iceland	235	17.4	0.0	44.3	5.8	11.8	5.1	1.2	14.5	17.4	0.0	2.1	12.4	22.9
Iran, Islamic Rep.	422	9.6	1.1	19.8	3.1	3.5	8.3	2.1	52.4	9.6	0.0	0.8	51.6	10.1
Ireland	355	19.2	0.6	51.0	7.5	4.8	7.4	2.7	6.8	19.2	0.0	0.3	6.5	25.7
Israel	258	13.1	0.5	32.9	8.2	7.5	15.0	2.3	20.6	13.1	0.0	0.0	20.6	14.0
Japan	538	27.4	0.0	48.5	2.1	17.1	0.3	1.4	3.2	27.4	0.0	0.0	3.2	35.6
Korea	355	25.9	44.1	9.9	0.6	0.0	10.7	7.6	1.1	25.9	0.0	0.0	1.1	32.5
Kuwait	536	8.3	3.7	18.2	2.6	3.0	6.3	0.0	57.9	8.3	2.9	2.4	52.6	7.7
Latvia (LSS)	274	30.0	2.9	32.7	3.6	10.0	5.9	1.1	13.8	30.0	0.0	0.7	13.1	38.2
Netherlands	318	27.9	0.0	56.1	5.3	4.4	2.9	0.8	2.6	27.9	0.0	0.0	2.6	36.7
New Zealand	298	17.2	1.0	47.9	6.3	8.1	8.1	1.3	10.1	17.2	0.0	1.3	8.8	16.4
Norway	290	21.1	1.1	40.2	11.4	6.1	4.7	1.0	14.5	21.1	0.0	2.1	12.4	29.2
Portugal	348	19.8	0.7	43.6	2.9	5.6	4.1	0.9	22.4	19.8	0.0	2.6	19.8	22.4
Scotland	400	14.7	0.0	51.7	11.9	6.8	4.7	2.0	8.3	14.7	0.0	0.0	8.3	19.5
Singapore	883	32.0	0.6	42.0	6.9	6.5	3.7	2.6	5.6	32.0	0.0	0.0	5.6	36.8
Slovenia	324	25.4	0.3	45.2	2.7	6.8	5.2	2.4	12.1	25.4	0.0	0.0	12.1	32.4
Thailand	325	15.4	0.2	34.0	1.6	7.6	2.3	2.7	36.2	15.4	0.0	0.0	36.2	20.0
United States	910	20.7	1.2	46.0	3.9	8.4	7.5	2.6	9.8	20.7	0.0	0.1	9.7	22.5
INTERNATIONAL AVG	.	21.3	3.7	41.0	5.0	6.3	5.7	1.8	15.3	21.3	0.1	0.7	14.5	26.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: R02 KEY: C

Which statement gives the best start toward finding which of three light bulbs is brightest? (Environment and other content)

Difficulty: 633

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	806	9.4	10.6	51.7	27.1	1.3	51.7	0.0	0.0	1.3	49.4	54.1
Austria	334	14.2	27.3	26.8	26.7	5.0	26.8	0.0	0.1	4.9	26.4	25.8
Canada	1037	10.5	12.7	45.0	28.6	3.2	45.0	0.2	2.0	0.9	40.6	48.3
Cyprus	445	12.5	23.6	40.0	18.3	5.6	40.0	0.0	1.3	4.2	38.7	41.3
Czech Republic	400	7.9	19.4	51.0	16.0	5.6	51.0	0.3	1.5	3.8	48.0	54.0
England	381	9.1	10.7	48.2	28.1	4.0	48.2	0.0	0.7	3.3	48.1	48.2
Greece	377	16.7	21.6	40.6	16.2	4.9	40.6	0.0	0.5	4.3	40.6	40.6
Hong Kong	545	9.7	11.8	60.0	16.5	1.9	60.0	0.3	0.5	1.1	58.1	62.0
Hungary	365	11.1	26.0	35.1	21.7	6.1	35.1	0.0	1.6	4.4	37.9	31.9
Iceland	235	9.8	16.7	48.2	20.4	4.9	48.2	0.0	2.8	2.1	44.0	51.8
Iran, Islamic Rep.	422	11.8	33.1	24.4	19.8	10.8	24.4	0.0	1.8	9.0	26.2	22.9
Ireland	355	11.9	14.1	45.1	26.8	2.0	45.1	0.6	0.3	1.1	45.8	44.1
Israel	258	4.5	18.5	59.4	14.0	3.7	59.4	0.0	0.0	3.7	62.0	58.4
Japan	538	4.3	10.6	59.3	25.3	0.4	59.3	0.0	0.0	0.4	60.5	58.2
Korea	355	11.3	8.4	60.6	19.3	0.3	60.6	0.0	0.0	0.3	65.6	55.0
Kuwait	536	12.5	26.4	31.8	17.3	11.9	31.8	0.0	3.2	8.8	33.0	30.7
Latvia (LSS)	274	4.3	30.6	34.8	23.8	6.6	34.8	0.0	1.4	5.1	31.0	39.2
Netherlands	318	7.1	16.3	49.1	27.3	0.3	49.1	0.3	0.0	0.0	50.4	48.6
New Zealand	298	11.3	8.8	46.1	31.6	2.2	46.1	0.0	1.3	0.9	47.3	44.9
Norway	290	9.9	13.4	41.7	27.2	7.8	41.7	0.0	3.1	4.8	38.3	45.6
Portugal	348	12.7	26.4	23.9	26.2	10.7	23.9	0.0	3.2	7.5	21.3	26.2
Scotland	400	12.0	15.1	36.4	34.7	1.9	36.4	0.4	0.3	1.2	35.6	37.3
Singapore	883	20.2	10.0	37.6	31.8	0.4	37.6	0.0	0.0	0.4	38.9	36.4
Slovenia	324	18.4	21.7	37.0	19.5	3.3	37.0	0.0	0.2	3.2	39.1	34.9
Thailand	325	14.0	19.8	37.4	28.3	0.5	37.4	0.0	0.2	0.2	35.6	39.4
United States	910	6.0	8.0	53.6	29.5	2.9	53.6	0.0	0.1	2.7	51.2	55.8
INTERNATIONAL AVG	.	10.9	17.8	43.3	23.9	4.2	43.3	0.1	1.0	3.1	42.8	43.7

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: R03 KEY: D
 What will likely happen when an insect carries pollen from the flowers of a tree to those of a small plant? (Life Science)
 Difficulty: 553

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	806	9.9	10.7	15.1	62.6	1.6	62.6	0.0	0.0	1.6	60.8	64.4
Austria	334	6.6	6.7	9.3	72.1	5.2	72.1	0.0	0.3	4.9	71.7	71.7
Canada	1037	8.7	7.5	20.7	59.3	3.8	59.3	0.0	2.1	1.7	60.7	57.6
Cyprus	445	16.8	17.6	17.1	40.3	8.2	40.3	0.2	1.3	6.7	42.4	38.1
Czech Republic	400	2.6	1.8	12.2	79.4	3.9	79.4	0.0	1.9	2.0	79.3	79.5
England	381	10.5	6.9	12.7	66.6	3.4	66.6	0.0	1.0	2.4	66.0	67.2
Greece	377	7.8	12.6	20.6	54.6	4.4	54.6	0.0	1.1	3.3	56.4	53.1
Hong Kong	545	12.0	19.3	32.6	35.3	0.7	35.3	0.0	0.5	0.2	37.3	33.9
Hungary	365	3.2	4.8	11.5	75.6	4.9	75.6	0.0	1.9	3.0	75.9	74.5
Iceland	235	10.4	11.2	19.5	54.3	4.7	54.3	0.0	3.5	1.2	58.6	50.6
Iran, Islamic Rep.	422	8.6	15.5	18.3	47.6	10.0	47.6	0.3	1.8	7.8	53.4	42.5
Ireland	355	5.9	7.8	11.6	72.0	2.6	72.0	0.2	0.3	2.1	75.8	67.7
Israel	258	16.4	10.5	13.3	56.8	3.0	56.8	0.0	0.4	2.6	56.6	56.9
Japan	538	28.9	22.5	26.9	21.5	0.2	21.5	0.0	0.0	0.2	21.3	21.7
Korea	355	18.0	20.8	25.2	35.7	0.3	35.7	0.0	0.0	0.3	34.5	37.1
Kuwait	536	9.7	20.4	24.1	34.0	11.8	34.0	0.0	3.9	7.8	36.3	31.8
Latvia (LSS)	274	4.9	5.1	25.8	57.2	7.0	57.2	0.0	1.4	5.5	60.2	53.8
Netherlands	318	9.6	12.7	20.1	57.3	0.3	57.3	0.3	0.0	0.0	54.1	60.8
New Zealand	298	8.8	6.6	15.4	65.9	3.3	65.9	0.0	1.9	1.4	72.2	59.5
Norway	290	10.1	8.8	12.3	61.7	7.2	61.7	0.0	4.3	2.9	67.0	58.8
Portugal	348	8.2	9.2	14.7	57.2	10.7	57.2	0.0	3.7	6.9	61.3	53.7
Scotland	400	10.8	7.9	18.4	60.4	2.5	60.4	0.0	0.3	2.2	69.3	53.4
Singapore	883	10.5	23.1	24.7	40.7	1.0	40.7	0.0	0.0	1.0	42.4	39.2
Slovenia	324	6.6	1.9	8.3	79.0	4.2	79.0	0.2	0.2	3.8	81.1	76.5
Thailand	325	17.9	17.9	36.6	27.3	0.2	27.3	0.0	0.2	0.0	26.2	28.6
United States	910	9.4	9.9	17.7	60.4	2.7	60.4	0.0	0.1	2.6	64.8	56.3
INTERNATIONAL AVG	.	10.5	11.5	18.6	55.2	4.1	55.2	0.0	1.2	2.9	57.1	53.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R04 KEY: A

What is the most important reason for people to use a sunscreen when they are outside in sunlight? (Life Science)

Difficulty: 458

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	806	93.4	1.6	1.5	1.8	1.7	93.4	0.0	0.0	1.7	94.7	92.3
Austria	334	83.4	8.9	1.1	2.9	3.8	83.4	0.0	0.3	3.5	82.6	83.4
Canada	1037	85.0	5.4	1.9	4.4	3.3	85.0	0.0	2.2	1.2	86.6	84.7
Cyprus	445	75.7	11.2	2.7	3.8	6.6	75.7	0.4	1.7	4.5	76.2	75.1
Czech Republic	400	89.3	3.0	1.7	3.1	2.9	89.3	0.0	2.2	0.7	90.4	88.2
England	381	86.9	5.0	2.9	2.9	2.3	86.9	0.0	1.1	1.1	87.2	86.6
Greece	377	67.7	18.6	4.7	4.1	5.0	67.7	0.4	1.4	3.1	64.9	70.0
Hong Kong	545	84.9	6.4	5.3	2.0	1.5	84.9	0.0	0.5	1.1	86.9	84.7
Hungary	365	68.6	18.1	1.8	6.4	5.2	68.6	0.0	2.2	2.9	67.6	70.2
Iceland	235	73.8	9.9	1.8	7.9	6.7	73.8	0.3	4.4	2.0	73.1	74.4
Iran, Islamic Rep.	422	28.4	7.7	33.3	21.0	9.5	28.4	0.0	2.2	7.3	26.2	30.4
Ireland	355	89.6	3.3	1.8	3.8	1.5	89.6	0.0	0.6	0.9	93.7	84.8
Israel	258	82.8	11.1	1.3	2.6	2.2	82.8	0.0	1.1	1.1	87.2	79.4
Japan	538	60.9	12.5	16.2	9.8	0.6	60.9	0.0	0.2	0.4	62.9	58.9
Korea	355	83.2	6.0	8.3	2.1	0.3	83.2	0.0	0.0	0.3	87.9	78.0
Kuwait	536	52.6	19.3	6.7	10.5	10.8	52.6	0.0	4.8	6.0	54.7	50.6
Latvia (LSS)	274	50.7	21.3	9.8	11.0	7.2	50.7	0.0	2.6	4.5	56.6	44.0
Netherlands	318	82.7	10.8	0.6	4.7	1.2	82.7	1.2	0.0	0.0	86.9	79.1
New Zealand	298	80.9	4.9	5.6	3.6	5.0	80.9	0.0	2.9	2.1	92.5	69.2
Norway	290	85.0	5.6	1.5	1.9	6.0	85.0	0.0	4.3	1.7	86.4	84.0
Portugal	348	76.9	5.1	5.8	5.1	7.0	76.9	0.0	4.4	2.6	80.7	73.7
Scotland	400	79.6	6.8	3.2	8.9	1.5	79.6	0.4	0.6	0.5	78.1	80.8
Singapore	883	74.2	12.1	5.8	7.1	0.8	74.2	0.0	0.0	0.8	75.9	72.5
Slovenia	324	85.1	6.7	0.9	4.4	2.9	85.1	0.6	0.5	1.8	89.3	81.0
Thailand	325	63.3	13.0	11.7	11.5	0.5	63.3	0.0	0.2	0.2	65.5	60.8
United States	910	83.3	7.6	2.7	3.4	2.9	83.3	0.0	0.2	2.7	83.4	83.2
INTERNATIONAL AVG	.	75.7	9.3	5.4	5.8	3.8	75.7	0.1	1.6	2.1	77.6	73.8

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: R05 KEY: D
 Shown picture of children playing with string telephone, one string tight and one slack, who can hear? (Physical Science)
 Difficulty: 550

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	806	7.1	3.8	19.0	60.9	8.2	1.0	60.9	0.0	0.5	0.5	59.1	62.9
Austria	334	12.8	4.8	8.9	61.9	10.5	1.1	61.9	0.0	0.3	0.8	57.6	64.8
Canada	1037	7.6	3.7	6.2	69.5	9.8	3.1	69.5	0.0	2.3	0.9	73.0	67.2
Cyprus	445	9.1	1.5	12.0	66.6	7.4	3.4	66.6	0.0	1.7	1.7	69.3	63.9
Czech Republic	400	8.6	12.8	11.8	50.6	11.9	4.2	50.6	0.8	2.2	1.2	51.3	49.9
England	381	5.7	2.3	10.9	68.6	10.6	1.9	68.6	0.0	1.3	0.6	60.4	77.9
Greece	377	4.7	6.8	11.8	55.5	18.4	2.8	55.5	0.0	2.0	0.8	51.0	59.4
Hong Kong	545	10.0	3.1	7.5	65.1	13.6	0.7	65.1	0.0	0.5	0.2	68.3	63.7
Hungary	365	11.3	6.6	14.8	28.6	34.0	4.7	28.6	0.0	2.2	2.5	31.0	26.6
Iceland	235	18.6	4.2	13.9	43.6	13.4	6.3	43.6	0.0	5.3	1.0	35.5	50.6
Iran, Islamic Rep.	422	21.0	9.2	15.3	24.8	22.3	7.4	24.8	0.2	2.6	4.7	24.3	25.3
Ireland	355	5.3	3.8	14.5	65.8	9.0	1.7	65.8	0.0	0.6	1.1	66.8	64.7
Israel	258	9.5	5.5	9.4	64.4	10.1	1.1	64.4	0.0	1.1	0.0	65.3	61.4
Japan	538	3.0	2.5	3.0	85.6	5.5	0.4	85.6	0.0	0.2	0.2	86.1	85.1
Korea	355	1.7	2.0	8.9	82.3	4.8	0.3	82.3	0.0	0.0	0.3	80.8	83.9
Kuwait	536	11.2	6.0	17.5	32.0	24.1	9.3	32.0	0.0	5.8	3.5	36.0	28.2
Latvia (LSS)	274	15.0	15.4	13.2	34.2	18.2	4.0	34.2	0.0	2.9	1.1	27.9	41.4
Netherlands	318	5.7	3.6	11.0	70.7	8.5	0.4	70.7	0.4	0.0	0.0	72.3	70.8
New Zealand	298	6.9	2.8	29.5	47.4	10.0	3.4	47.4	0.0	2.9	0.5	54.8	40.0
Norway	290	10.3	4.9	19.5	54.9	3.7	6.7	54.9	0.0	4.6	2.1	56.8	54.8
Portugal	348	8.4	5.5	9.2	59.6	8.2	9.1	59.6	0.0	5.1	4.1	56.7	62.1
Scotland	400	8.9	2.9	14.1	61.0	11.5	1.6	61.0	0.3	0.6	0.7	57.3	63.7
Singapore	883	7.3	2.9	5.5	79.6	4.6	0.1	79.6	0.0	0.0	0.1	80.9	78.4
Slovenia	324	11.4	11.2	9.2	51.5	14.9	1.8	51.5	0.0	0.9	0.9	51.5	51.2
Thailand	325	9.0	3.9	8.5	64.4	13.0	1.2	64.4	0.0	0.2	1.0	65.3	63.4
United States	910	5.8	3.2	9.3	72.1	7.5	2.1	72.1	0.0	0.2	1.9	74.6	69.8
INTERNATIONAL AVG	.	9.1	5.2	12.1	58.5	12.1	3.1	58.5	0.1	1.8	1.2	58.2	58.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R06 KEY: E
 Which of the following groups contains only animals with a backbone? (Life Science)
 Difficulty: 629

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	806	7.8	11.1	20.8	4.2	52.6	3.4	52.6	0.0	0.5	2.9	51.5	53.7
Austria	334	20.1	7.7	25.7	9.8	31.2	5.5	31.2	0.5	0.4	4.6	30.1	31.1
Canada	1037	10.2	10.5	19.0	3.1	50.4	6.9	50.4	1.0	2.6	3.3	50.8	49.5
Cyprus	445	7.3	8.8	16.1	7.0	49.8	11.0	49.8	2.7	2.0	6.3	46.9	52.7
Czech Republic	400	5.0	3.2	15.4	2.4	63.0	11.0	63.0	2.9	2.8	5.3	64.4	61.8
England	381	8.5	9.5	25.8	4.2	46.6	5.4	46.6	0.0	1.9	3.5	47.3	45.8
Greece	377	5.1	7.5	12.3	5.2	61.0	8.8	61.0	2.1	2.0	4.7	56.1	65.3
Hong Kong	545	22.4	21.0	19.9	13.2	21.6	1.8	21.6	0.5	0.5	0.9	15.8	26.2
Hungary	365	1.9	4.2	15.5	1.4	64.1	12.9	64.1	0.0	3.8	9.2	62.8	65.7
Iceland	235	17.7	15.3	11.1	6.9	39.9	9.1	39.9	0.0	5.5	3.5	44.2	36.1
Iran, Islamic Rep.	422	16.8	17.7	13.1	7.2	31.4	13.7	31.4	1.8	3.0	9.0	32.4	30.6
Ireland	355	8.3	10.7	22.7	6.1	46.9	5.3	46.9	2.1	0.6	2.6	42.7	51.9
Israel	258	33.8	11.9	20.8	8.3	19.2	6.0	19.2	0.4	1.1	4.5	15.7	24.1
Japan	538	1.9	13.7	33.8	2.2	47.3	1.1	47.3	0.0	0.4	0.7	43.0	51.3
Korea	355	5.5	12.0	26.5	4.2	51.4	0.3	51.4	0.0	0.0	0.3	49.2	54.0
Kuwait	536	7.0	6.3	6.3	5.1	54.1	21.3	54.1	0.0	7.0	14.3	55.1	53.1
Latvia (LSS)	274	22.1	16.2	11.4	9.1	29.7	11.5	29.7	0.0	3.8	7.7	31.0	28.3
Netherlands	318	11.7	6.8	21.1	11.0	47.3	2.1	47.3	1.8	0.0	0.3	38.1	56.1
New Zealand	298	4.8	10.8	25.3	4.4	50.4	4.3	50.4	0.0	3.2	1.1	50.1	50.7
Norway	290	13.1	18.6	18.2	6.6	33.2	10.3	33.2	0.6	5.4	4.3	33.1	34.8
Portugal	347	14.1	6.0	21.5	1.8	40.0	16.6	40.0	0.0	6.0	10.6	42.6	37.7
Scotland	400	9.4	12.2	29.2	4.0	39.6	5.6	39.6	1.3	1.0	3.3	43.6	36.6
Singapore	883	9.4	20.8	17.2	9.7	42.4	0.4	42.4	0.0	0.0	0.4	38.2	46.1
Slovenia	324	15.1	8.3	21.6	8.5	40.6	5.9	40.6	1.5	1.2	3.2	37.1	44.3
Thailand	325	4.0	4.8	11.2	3.8	74.1	1.9	74.1	0.0	1.0	0.9	74.2	74.1
United States	910	8.0	10.9	18.1	4.5	55.1	3.4	55.1	0.1	0.2	3.0	52.2	57.7
INTERNATIONAL AVG	.	11.2	11.0	19.2	5.9	45.5	7.1	45.5	0.7	2.1	4.2	44.2	46.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R07 KEY: C
 Select environment a worm would prefer in terms of light and moisture. (Life Science)
 Difficulty: 554

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	806	5.9	12.4	68.7	11.4	1.5	68.7	0.0	0.5	1.0	71.5	65.9
Austria	334	7.8	6.7	73.4	7.5	4.6	73.4	0.3	1.1	3.3	70.2	75.8
Canada	1037	11.4	13.1	62.0	10.3	3.2	62.0	0.0	2.8	0.4	59.8	64.2
Cyprus	445	23.7	16.3	34.5	16.3	9.2	34.5	0.2	3.2	5.7	35.3	33.7
Czech Republic	400	13.3	5.4	65.6	10.0	5.6	65.6	0.0	3.5	2.1	65.0	66.3
England	381	6.7	10.4	68.0	11.8	3.1	68.0	0.0	2.2	0.9	67.1	68.9
Greece	377	19.0	24.8	30.2	20.6	5.3	30.2	0.3	2.2	2.9	26.6	33.4
Hong Kong	545	17.4	12.4	56.1	12.3	1.8	56.1	1.0	0.5	0.3	56.4	56.3
Hungary	365	13.9	11.8	54.5	12.9	6.9	54.5	0.0	4.5	2.4	52.1	56.9
Iceland	235	13.9	9.9	52.8	13.7	9.7	52.8	0.0	5.5	4.1	44.5	59.9
Iran, Islamic Rep.	422	27.3	22.0	27.9	13.9	8.8	27.9	0.0	4.5	4.4	27.0	28.7
Ireland	355	10.8	14.6	54.0	19.0	1.6	54.0	0.0	0.6	1.0	54.4	53.5
Israel	258	18.9	6.6	59.8	10.9	3.7	59.8	0.0	1.6	2.2	54.4	61.8
Japan	538	5.9	6.2	79.5	8.0	0.4	79.5	0.0	0.4	0.0	79.7	79.2
Korea	355	0.3	2.5	92.0	4.9	0.3	92.0	0.0	0.0	0.3	95.6	87.9
Kuwait	536	19.9	20.1	26.0	20.0	14.0	26.0	0.0	8.8	5.2	25.2	26.8
Latvia (LSS)	274	12.7	12.0	58.1	8.4	8.8	58.1	0.0	5.0	3.8	61.3	54.5
Netherlands	318	6.5	6.3	73.1	13.5	0.5	73.1	0.2	0.0	0.3	69.5	75.3
New Zealand	298	11.0	11.3	61.9	11.9	4.0	61.9	0.0	3.2	0.8	65.2	58.5
Norway	290	10.3	7.1	53.2	20.3	9.1	53.2	0.0	5.4	3.7	57.1	49.5
Portugal	348	13.0	21.4	37.0	14.9	13.7	37.0	0.0	7.5	6.2	38.4	35.8
Scotland	400	6.8	14.6	60.3	15.5	2.8	60.3	0.0	1.3	1.5	56.6	63.3
Singapore	883	21.5	13.4	48.1	16.7	0.4	48.1	0.0	0.0	0.4	45.7	50.4
Slovenia	324	18.7	8.6	63.0	7.2	2.4	63.0	0.0	1.2	1.3	61.5	65.1
Thailand	325	22.6	31.7	25.9	17.9	1.9	25.9	0.0	1.0	0.9	26.4	25.4
United States	910	13.8	12.1	59.4	12.6	2.2	59.4	0.0	0.2	1.9	56.6	62.0
INTERNATIONAL AVG	.	13.6	12.8	55.6	13.2	4.8	55.6	0.1	2.6	2.2	54.7	56.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R08 KEY: B
 Which of the following makes its own light? (Physical Science)
 Difficulty: 560

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	806	11.8	52.2	11.9	22.1	1.9	52.2	0.0	0.7	1.3	49.1	55.5
Austria	334	4.1	82.7	2.6	6.0	4.6	82.7	0.0	1.8	2.8	81.0	83.5
Canada	1037	12.4	55.6	10.6	17.8	3.6	55.6	0.2	2.9	0.6	54.9	57.1
Cyprus	445	9.6	56.7	14.7	11.5	7.6	56.7	0.0	3.9	3.8	53.2	59.9
Czech Republic	400	13.6	69.3	5.3	5.3	6.5	69.3	0.2	5.1	1.2	71.0	67.6
England	381	17.1	50.5	11.3	17.9	3.2	50.5	0.0	2.6	0.6	45.0	56.7
Greece	377	6.9	54.4	12.2	21.9	4.7	54.4	0.4	2.4	1.8	52.7	55.8
Hong Kong	545	13.4	44.9	36.4	4.2	1.2	44.9	0.3	0.5	0.4	35.2	53.3
Hungary	365	8.7	71.9	0.9	8.7	9.8	71.9	0.0	6.4	3.4	69.6	74.4
Iceland	235	19.5	56.2	7.4	8.6	8.2	56.2	0.5	6.6	1.2	49.2	62.4
Iran, Islamic Rep.	422	31.9	38.7	12.4	8.2	8.8	38.7	0.3	4.9	3.6	35.9	41.1
Ireland	355	18.6	46.8	20.1	13.3	1.3	46.8	0.0	0.6	0.7	45.5	48.3
Israel	258	10.1	62.8	10.4	13.5	3.3	62.8	0.5	1.6	1.2	72.0	52.4
Japan	538	30.4	31.2	24.3	13.6	0.6	31.2	0.0	0.4	0.2	22.1	39.7
Korea	.	.	.	.	.	.	.	.	.	.	.	.
Kuwait	536	15.2	36.6	18.7	15.5	14.0	36.6	0.0	9.6	4.4	39.0	34.3
Latvia (LSS)	274	14.0	53.1	19.1	6.0	7.7	53.1	0.0	5.9	1.9	50.4	56.4
Netherlands	318	8.2	67.2	15.0	8.6	1.1	67.2	0.8	0.0	0.3	61.4	72.3
New Zealand	298	14.3	48.4	11.9	20.0	5.3	48.4	0.0	3.4	1.9	49.3	47.5
Norway	290	20.8	38.8	7.3	23.1	9.9	38.8	0.0	7.2	2.8	43.0	34.5
Portugal	348	9.9	57.3	12.5	6.3	14.1	57.3	0.0	9.4	4.7	59.4	55.5
Scotland	400	13.3	46.9	20.4	16.0	3.4	46.9	0.2	2.0	1.2	47.3	46.9
Singapore	883	11.8	47.7	22.7	16.8	0.9	47.7	0.0	0.0	0.9	43.5	51.5
Slovenia	324	30.5	55.8	3.6	6.0	4.2	55.8	0.7	1.2	2.3	57.0	54.9
Thailand	325	22.1	24.8	34.9	16.2	1.9	24.8	0.0	1.0	0.9	22.8	27.2
United States	910	11.1	55.4	13.0	18.1	2.4	55.4	0.0	0.2	2.2	50.8	59.6
INTERNATIONAL AVG	.	15.2	52.2	14.4	13.0	5.2	52.2	0.2	3.2	1.8	50.4	53.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R09 KEY: A
 Which of the following is an advantage of solar energy? (Physical Science)
 Difficulty: 606

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	806	57.4	8.7	13.9	17.8	2.2	57.4	0.0	1.0	1.3	53.5	61.3
Austria	334	62.3	6.4	17.3	8.1	5.8	62.3	0.1	1.8	4.0	57.5	65.8
Canada	1037	53.4	9.2	15.1	18.1	4.1	53.4	0.0	2.9	1.3	42.7	62.7
Cyprus	445	27.2	12.4	27.1	20.9	12.3	27.2	0.0	4.1	8.2	27.0	27.4
Czech Republic	400	52.1	7.9	19.8	10.4	9.7	52.1	0.0	5.5	4.3	50.9	53.3
England	381	37.9	10.0	15.6	28.2	8.4	37.9	0.0	2.6	5.8	30.9	45.7
Greece	377	32.6	10.9	27.7	18.4	10.4	32.6	0.3	2.4	7.8	26.1	38.2
Hong Kong	545	51.9	5.2	27.6	13.6	1.7	51.9	0.1	0.5	1.1	43.5	58.9
Hungary	365	42.8	9.2	19.2	16.0	12.8	42.8	0.0	7.7	5.1	36.8	48.9
Iceland	235	50.8	11.5	20.1	8.1	9.5	50.8	0.0	6.8	2.7	49.3	52.1
Iran, Islamic Rep.	422	30.8	12.7	24.2	16.1	16.2	30.8	0.9	5.2	10.1	34.3	27.7
Ireland	355	46.6	8.7	14.4	26.5	3.8	46.6	0.0	0.6	3.2	48.0	45.1
Israel	258	55.0	10.7	18.0	12.4	3.9	55.0	0.4	1.6	2.0	59.3	48.7
Japan	538	80.1	4.9	6.1	7.8	1.1	80.1	0.0	0.4	0.8	84.1	76.3
Korea	355	48.4	3.0	24.0	22.7	1.9	48.4	0.0	0.0	1.9	47.1	49.9
Kuwait	536	14.3	11.5	30.9	24.6	18.7	14.3	0.0	11.0	7.7	13.9	14.7
Latvia (LSS)	274	35.8	19.5	16.6	17.0	11.2	35.8	0.0	6.9	4.3	38.2	33.1
Netherlands	318	38.4	13.9	21.5	24.8	1.4	38.4	1.1	0.0	0.3	33.5	44.4
New Zealand	298	43.9	9.4	14.7	24.4	7.5	43.9	0.0	4.6	3.0	48.1	39.6
Norway	290	34.0	11.0	18.6	19.8	16.5	34.0	0.5	7.2	8.9	31.8	36.8
Portugal	348	42.3	7.0	16.5	14.9	19.2	42.3	0.0	10.5	8.7	48.1	37.3
Scotland	400	37.8	10.1	13.2	32.4	6.5	37.8	0.3	2.4	3.8	34.2	40.4
Singapore	883	36.4	14.1	24.3	23.8	1.5	36.4	0.0	0.0	1.5	34.9	37.9
Slovenia	324	54.9	13.1	15.0	12.3	4.7	54.9	0.0	1.5	3.2	53.4	57.5
Thailand	325	17.9	6.0	46.0	27.6	2.5	17.9	0.0	1.0	1.5	13.0	23.5
United States	910	47.0	11.6	18.2	19.1	4.1	47.0	0.0	0.2	3.9	36.4	56.8
INTERNATIONAL AVG	.	43.5	9.9	20.2	18.7	7.6	43.5	0.1	3.4	4.1	41.4	45.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: W01
 Shown pictures of sugar cubes and loose sugar, which will dissolve faster? Why? (Physical Science)
 Difficulty: 641

COUNTRY	N	20	21	29	10	11	19	70	71	72	73	79	90	99	V1	V2	NOT			1.GIRL % Right	2.BOY % Right
																	INVAL ID	REACH ED	OMIT		
Australia	1619	29.3	11.9	1.1	9.8	25.0	2.0	3.3	2.0	2.0	5.2	3.5	1.2	3.7	79.1	42.3	0.0	1.4	2.4	44.5	40.0
Austria	659	33.0	12.4	1.9	19.8	10.7	3.0	7.2	0.3	1.3	3.0	4.4	0.5	2.5	80.8	47.2	0.0	1.2	1.3	45.9	48.7
Canada	2069	26.5	18.8	0.9	10.8	21.0	1.1	3.3	0.9	2.4	4.1	5.9	1.2	3.1	79.1	46.2	0.0	1.8	1.3	46.2	45.5
Cyprus	832	16.0	7.0	4.1	10.7	18.3	15.0	5.5	2.0	1.1	1.9	8.4	0.4	9.5	71.1	27.2	0.0	3.0	6.5	30.2	24.3
Czech Republic	824	36.7	4.4	2.8	21.6	10.7	3.3	4.0	0.7	0.6	2.2	5.6	1.0	6.5	79.5	43.9	0.0	4.0	2.6	46.5	41.0
England	766	27.0	11.9	3.4	10.0	25.5	0.5	4.3	1.3	1.8	4.9	3.1	1.6	4.5	78.4	42.4	0.0	1.9	2.6	48.7	35.1
Greece	772	11.8	7.0	1.1	19.9	24.0	3.9	3.3	0.5	2.5	2.6	7.2	0.9	15.2	67.8	20.0	0.0	4.0	11.2	19.1	20.9
Hong Kong	1112	37.3	2.3	0.4	20.8	12.2	7.1	8.7	1.2	1.2	0.9	6.5	0.4	1.1	80.1	40.0	0.0	0.0	1.1	44.2	35.7
Hungary	746	24.3	3.8	1.2	18.9	18.4	4.7	7.9	0.2	0.0	4.7	10.2	0.0	5.7	71.2	29.3	0.0	3.7	2.0	28.9	29.3
Iceland	455	4.1	3.3	0.2	49.7	6.5	2.5	14.6	1.2	0.0	1.3	3.3	1.2	11.9	66.4	7.7	0.0	8.4	3.5	9.9	5.5
Iran, Islamic Rep.	847	3.5	0.7	0.6	22.6	35.4	2.8	4.9	1.1	0.2	2.5	5.2	3.2	17.4	65.5	4.7	0.0	7.0	10.4	4.3	5.2
Ireland	705	17.8	24.6	1.0	7.6	25.0	0.8	3.5	1.3	1.2	10.0	3.3	1.4	2.8	76.6	43.3	0.0	1.0	1.8	46.6	39.8
Israel	574	22.9	7.2	1.8	23.7	7.2	3.4	10.5	2.0	3.8	1.9	10.5	1.0	4.0	66.2	31.9	0.0	2.4	1.6	35.0	29.8
Japan	1073	26.3	45.6	0.2	0.7	12.1	0.9	0.4	0.1	0.9	11.0	0.9	0.1	0.7	85.8	72.1	0.0	0.5	0.2	74.9	69.4
Korea	704	46.6	23.3	5.0	1.7	15.1	0.7	0.6	2.0	0.3	1.1	3.0	0.6	0.1	92.4	74.9	0.0	0.0	0.1	75.2	74.6
Kuwait	1082	9.5	2.2	4.2	23.1	17.4	2.4	6.6	0.2	0.2	1.8	5.6	0.0	26.7	58.9	15.9	1.2	12.1	13.3	18.4	13.6
Latvia (LSS)	552	17.9	11.7	3.3	40.4	5.1	1.2	6.7	1.3	0.5	1.9	3.0	0.2	6.7	79.7	33.0	0.0	3.6	3.1	33.6	32.4
Netherlands	637	19.4	49.0	2.1	1.8	11.3	3.8	0.4	1.3	3.7	3.7	2.7	0.0	0.9	87.3	70.4	0.0	0.1	0.8	68.2	72.3
New Zealand	599	21.2	14.6	1.3	12.7	24.5	0.0	5.0	0.5	1.7	6.7	3.7	0.1	8.0	74.3	37.1	0.0	3.3	4.7	39.4	34.5
Norway	558	8.8	8.5	0.8	27.1	18.7	0.5	11.6	3.0	1.0	8.3	1.0	1.1	9.5	64.4	18.1	0.0	6.5	3.0	21.1	15.0
Portugal	699	15.6	4.2	2.3	20.8	15.2	2.4	5.9	0.9	2.0	3.3	9.0	1.6	16.8	60.5	22.1	0.0	11.0	5.8	23.5	20.5
Scotland	821	27.1	10.1	3.2	10.8	22.4	1.0	5.8	1.6	0.7	5.3	6.2	1.1	4.9	74.6	40.5	0.0	1.8	3.1	41.5	39.6
Singapore	1793	36.6	8.7	0.1	7.5	26.0	0.1	2.4	3.2	2.2	6.4	4.0	2.2	0.6	79.0	45.4	0.0	0.1	0.5	48.3	42.9
Slovenia	646	26.7	3.9	1.1	28.1	17.9	0.7	6.1	1.1	1.0	3.2	5.4	1.5	3.1	78.5	31.8	0.0	1.4	1.7	34.5	29.5
Thailand	748	26.1	3.0	0.5	29.7	3.9	0.0	15.0	0.7	0.5	4.7	7.7	0.7	7.5	63.2	29.6	0.0	1.3	6.2	33.9	25.2
United States	1814	22.6	19.3	1.2	14.4	19.5	2.1	5.0	0.6	1.4	5.7	5.8	0.5	1.9	79.1	43.1	0.0	0.5	1.5	43.7	42.4
INTERNATIONAL AVG	.	22.9	12.3	1.8	17.9	17.3	2.5	5.9	1.2	1.3	4.2	5.2	0.9	6.7	74.6	36.9	0.0	3.1	3.5	38.7	35.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: W02
 Write down one thing your heart does that helps the other parts of your body. (Life Science)
 Difficulty: 638

COUNTRY	N	10	11	19	70	71	79	90	99	V1	NOT		1. GIRL % Right	2. BOY % Right	
											INVAL ID	REACH ED			
Australia	1619	10.4	55.1	3.4	11.4	1.7	9.9	2.2	6.0	68.8	0.0	2.3	3.7	66.9	70.6
Austria	659	0.6	54.4	1.9	6.0	10.0	10.0	3.1	14.0	56.9	0.0	1.8	12.2	55.8	57.4
Canada	2069	2.1	43.0	3.6	14.6	7.4	19.1	3.3	6.9	48.7	0.0	2.2	4.8	43.2	53.1
Cyprus	832	2.1	13.1	2.7	7.6	2.3	30.3	1.2	40.7	17.9	0.0	7.6	33.1	15.4	20.4
Czech Republic	825	1.7	28.9	4.0	6.5	1.5	33.0	4.4	20.0	34.6	0.0	5.5	14.5	35.0	34.1
England	766	0.8	52.7	7.0	10.9	7.3	10.6	2.9	7.7	60.6	0.0	2.6	5.2	62.9	57.9
Greece	772	3.3	28.0	2.6	4.6	12.4	20.5	3.9	24.8	33.9	0.0	8.2	16.6	34.9	32.8
Hong Kong	1112	0.0	2.6	11.6	9.6	4.3	53.4	1.2	17.3	14.2	0.0	0.8	16.5	12.7	15.7
Hungary	746	10.1	14.9	4.7	18.8	11.3	16.7	1.2	22.3	29.7	0.0	4.9	17.5	28.3	31.7
Iceland	455	0.0	28.6	4.5	11.5	9.0	23.6	3.6	19.2	33.1	0.0	10.7	8.5	28.4	37.8
Iran, Islamic Rep.	847	4.9	13.7	4.3	2.3	9.2	16.0	5.9	43.7	22.9	0.0	11.0	32.7	22.9	22.9
Ireland	705	0.4	47.6	0.9	21.6	5.9	12.6	4.9	6.1	48.9	0.0	1.6	4.5	50.0	47.8
Israel	575	1.8	30.9	4.0	20.4	6.9	12.8	5.2	18.2	36.6	0.0	3.1	15.1	34.3	40.0
Japan	1073	0.4	37.5	1.4	18.8	3.9	28.6	3.5	5.9	39.2	0.0	0.7	5.2	33.4	45.0
Korea	704	8.2	20.8	5.3	27.2	5.2	26.9	6.2	0.1	34.3	0.0	0.1	0.0	26.9	41.5
Kuwait	1083	1.3	7.5	3.0	5.6	1.8	21.9	0.0	58.9	11.8	4.5	22.8	31.7	12.2	11.5
Latvia (LSS)	552	5.5	26.4	1.6	8.8	18.1	18.3	0.6	20.7	33.4	0.0	5.4	15.3	29.8	36.6
Netherlands	637	0.9	34.5	0.2	36.9	11.3	13.8	0.3	2.2	35.6	0.0	0.6	1.7	23.6	48.4
New Zealand	599	0.0	51.8	1.4	17.8	4.2	13.7	2.3	8.8	53.2	0.0	6.0	2.8	53.3	53.1
Norway	558	0.7	49.8	0.6	12.5	6.8	11.8	3.1	14.8	51.1	0.0	7.6	7.2	46.5	55.3
Portugal	699	1.9	23.1	2.3	7.0	5.0	22.1	3.0	35.7	27.3	0.0	14.9	20.8	24.9	30.0
Scotland	821	1.5	49.6	2.4	17.3	5.3	14.5	1.5	7.9	53.5	0.0	2.6	5.3	52.9	54.4
Singapore	1793	2.3	57.1	0.1	8.6	2.9	23.6	3.0	2.5	59.5	0.0	0.2	2.2	59.7	59.3
Slovenia	646	3.3	42.8	2.6	8.0	6.8	13.2	5.4	17.9	48.7	0.0	2.4	15.5	48.9	49.2
Thailand	748	3.4	7.2	2.2	35.0	5.7	28.7	1.1	16.7	12.7	0.0	5.4	11.4	8.8	16.8
United States	1814	0.6	62.5	1.1	16.3	5.2	9.0	1.8	3.5	64.2	0.0	0.6	2.9	62.9	65.5
INTERNATIONAL AVG	.	2.6	34.0	3.0	14.1	6.6	19.8	2.9	17.0	39.7	0.2	5.1	11.8	37.5	41.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: W03
 Write down the reason why we get thirsty on a hot day and have to drink a lot. (Life Science)
 Difficulty: 707

COUNTRY	N	10	11	12	13	19	70	71	72	76	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
															INVAL ID	REACH ED	OMIT		
Australia	1619	0.9	8.2	0.5	17.6	0.4	10.6	34.1	5.5	5.3	7.9	1.3	7.7	27.7	0.0	4.5	3.2	24.5	30.5
Austria	659	0.2	7.8	0.2	25.9	0.6	3.1	20.0	0.2	14.8	12.0	1.7	13.3	34.8	0.0	6.3	6.9	28.5	41.3
Canada	2069	2.4	5.7	1.0	18.9	4.5	9.5	21.1	2.4	8.3	14.6	2.2	9.3	32.5	0.0	4.8	4.5	28.5	36.9
Cyprus	832	2.1	1.0	0.3	13.6	1.7	5.4	15.9	4.2	13.7	11.4	0.9	29.8	18.7	0.0	21.1	8.6	17.4	20.1
Czech Republic	825	0.8	3.3	0.0	26.1	2.7	1.6	26.3	0.8	12.5	9.8	2.1	14.2	32.8	0.0	9.8	4.4	32.0	33.6
England	766	0.9	7.2	0.2	16.9	2.4	7.8	33.8	1.7	7.0	8.4	2.1	11.7	27.7	0.0	5.8	5.8	24.4	31.4
Greece	772	1.3	2.6	1.8	18.1	1.3	5.3	11.1	4.6	14.5	14.6	2.5	22.5	25.1	0.0	12.8	9.7	26.2	23.9
Hong Kong	1113	0.2	11.8	0.0	28.3	0.6	0.2	23.8	1.1	12.2	11.5	0.7	9.6	40.9	0.0	4.6	5.0	44.6	37.6
Hungary	746	0.4	1.3	0.5	13.8	1.3	11.4	38.0	0.3	9.4	8.1	0.5	15.1	17.2	0.0	11.1	4.0	13.7	20.9
Iceland	455	0.3	1.8	1.7	7.8	1.1	2.4	26.1	0.5	21.6	11.8	2.9	22.0	12.7	0.0	15.2	6.8	11.1	14.2
Iran, Islamic Rep.	847	0.0	1.3	0.0	11.9	1.4	1.7	4.5	1.5	22.4	20.4	2.5	32.1	14.7	0.0	19.1	13.0	14.3	15.0
Ireland	705	0.3	3.6	0.6	17.4	0.5	12.2	32.2	2.0	9.6	12.0	2.5	7.1	22.4	0.0	3.4	3.7	19.6	25.3
Israel	575	2.8	8.5	6.9	15.4	2.8	2.4	26.6	2.9	5.2	12.5	4.5	9.4	36.5	0.0	7.9	1.6	34.3	38.8
Japan	1073	0.3	19.7	0.6	13.8	2.6	4.9	32.2	0.1	7.5	12.3	1.8	4.4	37.0	0.0	1.8	2.6	34.9	39.0
Korea	704	9.2	13.8	0.9	15.3	3.8	3.4	23.6	0.9	7.3	18.9	2.7	0.3	42.8	0.0	0.1	0.1	38.1	47.4
Kuwait	1083	1.8	1.1	0.4	4.1	4.9	5.9	2.8	1.5	12.2	12.4	0.0	52.9	12.3	3.4	40.4	9.1	11.0	13.4
Latvia (LSS)	552	0.6	1.6	1.8	14.7	1.8	1.9	9.3	3.4	34.2	10.0	0.3	20.4	20.5	0.0	12.5	7.9	18.9	22.0
Netherlands	637	0.4	7.0	0.3	20.0	0.3	2.8	40.4	1.3	14.3	10.2	0.6	2.6	28.0	0.0	1.0	1.5	25.2	31.1
New Zealand	599	0.3	2.8	0.3	16.3	1.4	9.2	30.0	2.2	12.8	11.7	2.5	10.6	21.1	0.0	7.2	3.4	19.6	22.9
Norway	558	0.0	7.8	0.4	20.6	1.2	8.8	15.7	3.9	7.8	10.5	3.7	19.5	30.0	0.0	12.2	7.3	26.9	30.8
Portugal	698	1.1	2.9	0.3	8.0	1.5	6.8	14.9	1.6	22.9	8.4	1.6	29.9	13.8	0.0	22.4	7.6	9.5	18.5
Scotland	821	1.4	6.6	0.6	16.0	7.6	8.8	28.1	2.1	10.7	7.9	0.9	9.3	32.1	0.0	5.3	4.1	34.2	30.1
Singapore	1793	0.8	10.2	0.4	31.5	0.2	2.0	16.5	2.9	17.9	13.1	2.1	2.4	43.1	0.0	0.9	1.6	42.6	43.4
Slovenia	646	3.6	8.0	0.2	29.3	2.4	3.6	11.9	3.1	17.0	6.9	2.1	11.9	43.6	0.0	6.3	5.5	43.3	43.8
Thailand	748	0.0	1.9	0.0	10.1	0.9	10.7	20.2	5.0	25.5	11.1	1.1	13.3	13.0	0.0	10.1	3.2	13.9	12.0
United States	1814	0.9	9.1	0.9	17.9	0.4	13.8	27.1	3.0	8.9	11.1	1.5	5.5	29.2	0.0	1.8	3.7	28.5	29.9
INTERNATIONAL AVG	.	1.3	6.0	0.8	17.3	1.9	6.0	22.5	2.2	13.7	11.5	1.8	14.9	27.3	0.1	9.6	5.2	25.6	29.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: W04
 The human brain is inside the skull. Write down one advantage of the skull being thick and strong. (Life Science)
 Difficulty: 583

COUNTRY	N	10	11	19	76	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
										INVAL ID	REACH ED	OMIT		
Australia	1619	52.6	12.1	1.5	2.6	15.8	2.1	13.3	66.2	0.0	6.0	7.3	65.3	67.1
Austria	659	49.9	13.1	1.5	0.5	12.4	2.2	20.4	64.5	0.0	6.7	13.7	58.5	69.6
Canada	2069	34.3	10.6	3.5	3.3	23.4	4.2	20.7	48.4	0.0	6.5	14.2	43.4	52.6
Cyprus	832	23.5	11.9	2.9	3.1	22.2	0.8	35.5	38.3	0.0	22.2	13.3	34.1	42.1
Czech Republic	825	38.0	8.7	5.1	7.6	17.4	1.2	22.1	51.7	0.0	10.9	11.2	52.1	51.2
England	766	42.5	9.2	3.0	4.7	15.2	5.7	19.8	54.6	0.0	8.5	11.3	52.8	56.8
Greece	772	30.0	17.9	4.2	1.7	15.5	2.8	27.9	52.1	0.0	14.9	13.0	49.7	54.8
Hong Kong	1114	49.2	10.8	10.2	1.0	14.0	1.1	13.7	70.2	0.0	5.7	8.1	68.5	71.5
Hungary	746	23.8	20.8	3.2	1.2	21.3	0.3	29.3	47.8	0.0	12.7	16.6	43.4	52.2
Iceland	455	18.0	13.8	6.1	1.9	32.0	4.2	24.1	37.9	0.0	16.9	7.1	34.5	41.2
Iran, Islamic Rep.	847	22.4	10.0	0.4	4.4	20.1	1.8	40.8	32.8	0.0	22.3	18.5	31.5	34.1
Ireland	705	37.9	10.2	1.3	3.1	20.6	8.3	18.6	49.4	0.0	4.2	14.4	44.8	54.2
Israel	575	42.4	6.8	3.2	4.3	12.9	7.4	23.0	52.4	0.0	8.3	14.8	55.1	51.7
Japan	1073	50.8	19.3	1.2	1.4	16.4	4.2	6.8	71.2	0.0	2.1	4.7	69.0	73.5
Korea	704	53.2	20.4	6.0	3.8	12.1	4.4	0.1	79.5	0.0	0.1	0.0	74.1	84.8
Kuwait	1083	6.7	3.8	2.9	4.3	19.9	0.0	62.4	13.4	4.3	41.9	16.3	9.7	16.8
Latvia (LSS)	552	34.4	4.4	2.7	1.1	27.9	0.7	28.8	41.5	0.0	15.5	13.3	35.8	46.4
Netherlands	637	37.1	21.3	1.3	1.6	29.0	2.9	6.7	59.7	0.0	1.3	5.4	51.3	69.3
New Zealand	599	36.8	14.1	1.7	4.8	18.4	2.4	21.9	52.6	0.0	9.2	12.7	52.3	53.0
Norway	558	23.4	19.0	0.8	3.3	22.6	4.7	26.3	43.2	0.0	14.1	12.1	40.6	46.3
Portugal	698	18.2	4.8	1.5	4.8	17.4	2.6	50.8	24.4	0.0	24.9	25.9	22.9	26.1
Scotland	821	38.7	12.2	5.2	4.7	20.8	2.6	15.8	56.1	0.0	6.8	9.0	57.1	55.5
Singapore	1793	59.3	5.6	0.6	3.6	23.7	3.0	4.2	65.5	0.0	1.2	3.0	65.4	65.6
Slovenia	645	32.1	11.7	2.7	2.1	17.6	5.7	28.1	46.4	0.0	7.5	20.6	47.3	46.0
Thailand	748	30.6	14.4	1.7	2.3	31.9	0.5	18.6	46.7	0.0	11.2	7.4	49.9	43.5
United States	1814	43.0	12.8	2.5	3.4	25.4	2.6	10.2	58.4	0.0	2.7	7.5	57.5	59.2
INTERNATIONAL AVG	.	35.7	12.3	3.0	3.1	20.2	3.0	22.7	51.0	0.2	10.9	11.6	48.7	53.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: W05A

Write down two different things that people can do to help reduce air pollution. 1st reason. (Environment and other content)

Difficulty: 580

COUNTRY	N	NOT REACHED												1.GIRL % Right	2.BOY % Right			
		10	11	12	13	14	15	19	70	79	90	99	V1			INVA ID	REACH ED	OMIT
Australia	1619	33.0	6.9	4.2	2.0	6.8	13.9	0.7	15.3	5.4	1.3	10.5	67.5	0.0	8.5	2.1	64.1	70.8
Austria	659	45.1	2.2	0.7	6.9	1.9	3.4	2.4	19.3	3.3	1.6	13.4	62.5	0.0	11.4	2.0	56.6	67.2
Canada	2069	26.5	1.5	1.4	4.0	4.3	7.6	0.8	31.8	6.3	1.5	14.2	46.2	0.0	12.5	1.7	41.8	50.3
Cyprus	832	9.7	2.0	0.4	5.3	8.8	5.3	4.3	8.1	13.3	1.2	41.6	35.7	0.0	30.6	11.0	34.1	37.1
Czech Republic	825	12.8	3.2	2.4	13.5	5.5	14.9	3.0	10.4	11.3	2.3	20.7	55.3	0.0	17.5	3.2	54.9	55.8
England	766	26.1	6.0	1.6	6.7	1.9	7.5	2.5	15.6	8.8	4.7	18.4	52.4	0.0	13.9	4.5	51.7	53.2
Greece	772	7.0	2.5	0.8	10.7	6.8	2.4	3.0	26.6	9.7	1.8	28.6	33.3	0.0	21.4	7.2	32.1	34.6
Hong Kong	1114	2.9	1.4	3.1	5.9	11.3	11.8	3.1	40.2	7.9	0.7	11.8	39.5	0.0	8.8	3.0	35.7	42.6
Hungary	746	3.7	20.2	0.5	5.1	3.9	11.9	6.6	12.3	8.0	0.8	27.1	51.9	0.0	22.6	4.5	49.3	55.5
Iceland	455	25.3	5.6	0.9	2.1	1.3	13.8	0.6	8.0	13.0	2.6	26.6	49.7	0.0	20.3	6.3	48.0	51.5
Iran, Islamic Rep.	847	4.7	0.7	0.1	1.0	5.7	3.8	1.6	20.4	24.6	2.9	34.3	17.7	0.0	28.4	5.9	16.3	19.0
Ireland	705	8.8	2.1	8.6	2.3	3.2	20.5	0.6	20.7	12.4	5.2	15.5	46.2	0.0	11.2	4.3	40.1	52.8
Israel	575	4.0	3.3	3.0	6.7	0.5	16.3	3.7	25.0	13.8	4.8	18.8	37.6	0.0	15.1	3.7	33.4	43.7
Japan	1073	10.6	19.6	2.5	4.7	15.3	3.7	0.0	21.9	10.8	3.4	7.4	56.6	0.0	4.3	3.0	52.0	61.0
Korea	704	23.6	13.3	4.7	9.5	5.8	6.7	3.4	21.7	8.2	2.6	0.5	67.0	0.0	0.1	0.3	62.2	71.5
Kuwait	1083	3.0	0.9	1.5	1.0	7.5	1.1	2.5	4.4	17.7	0.0	60.4	17.6	3.6	51.2	5.6	17.7	17.4
Latvia (LSS)	552	20.4	4.3	1.1	5.3	7.7	9.2	5.9	6.7	11.6	0.0	27.8	54.0	0.0	22.7	5.1	57.4	51.0
Netherlands	637	32.9	3.8	1.0	19.7	1.4	4.9	1.8	6.1	24.5	0.9	2.9	65.6	0.0	2.7	0.2	62.8	69.3
New Zealand	599	10.4	4.1	5.0	1.0	5.1	13.3	1.7	24.6	10.5	3.5	20.8	40.6	0.0	17.3	3.5	38.5	43.0
Norway	558	26.7	4.3	1.0	9.0	0.6	6.3	2.4	15.9	6.9	2.9	24.0	50.3	0.0	20.2	3.8	42.5	57.3
Portugal	698	4.1	2.1	0.7	6.3	2.3	7.0	1.8	27.7	10.8	1.4	35.9	24.2	0.0	33.4	2.5	20.2	28.5
Scotland	821	24.3	5.1	2.7	6.3	1.7	8.7	0.5	14.4	16.9	2.4	17.2	49.2	0.0	11.4	5.7	47.1	51.2
Singapore	1793	8.2	3.0	0.9	1.4	7.5	22.4	0.0	16.2	31.8	3.0	5.5	43.5	0.0	3.0	2.6	42.0	44.8
Slovenia	646	14.8	7.0	4.9	23.6	0.4	9.6	9.2	7.5	6.9	2.3	14.0	69.3	0.0	11.5	2.5	70.3	68.0
Thailand	748	1.7	2.6	20.9	1.0	19.2	0.0	3.4	7.5	24.0	0.2	19.4	48.8	0.0	15.2	4.2	50.4	47.2
United States	1814	40.0	2.4	1.3	4.6	1.7	5.3	3.9	23.5	8.0	1.7	7.6	59.1	0.0	6.9	0.7	59.0	59.3
INTERNATIONAL AVG	.	16.6	5.0	2.9	6.4	5.3	8.9	2.7	17.4	12.6	2.1	20.2	47.7	0.1	16.2	3.8	45.4	50.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: W05B

Write down two different things that people can do to help reduce air pollution. 2nd reason. (Environment and other content)

Difficulty: 659

COUNTRY	N	NOT REACHED												1.GIRL % Right	2.BOY % Right			
		10	11	12	13	14	15	19	70	79	90	99	V1			INVA ID	REACH ED	OMIT
Australia	1619	17.2	3.3	8.3	2.8	3.7	14.8	1.2	11.7	7.0	1.1	28.9	51.4	0.0	10.4	18.5	50.3	52.5
Austria	658	15.1	2.4	2.4	11.2	3.2	6.6	5.1	17.3	6.0	2.0	28.6	46.0	0.0	13.2	15.4	38.6	53.8
Canada	2069	12.7	1.2	1.8	6.8	3.2	6.3	1.0	19.5	12.4	1.3	33.8	33.0	0.0	14.1	19.7	33.3	32.9
Cyprus	809	4.1	1.5	0.3	5.0	4.9	5.0	4.2	6.5	10.9	0.7	56.7	25.2	0.0	41.5	15.2	22.4	28.0
Czech Republic	825	8.9	2.6	3.7	10.6	1.7	7.1	3.0	4.6	10.2	0.8	46.8	37.6	0.0	20.6	26.2	35.6	39.7
England	766	7.8	3.6	2.1	8.8	2.5	7.0	3.4	11.6	11.5	2.5	39.1	35.2	0.0	18.4	20.7	34.4	36.0
Greece	772	5.4	3.0	0.4	8.3	3.5	1.7	1.8	13.3	14.4	0.6	47.6	24.0	0.0	28.6	19.0	25.0	23.0
Hong Kong	1110	3.4	1.5	4.0	8.1	7.2	7.3	3.3	31.1	5.7	0.8	27.7	34.8	0.0	11.8	15.8	32.6	36.4
Hungary	736	0.1	7.8	0.4	3.1	1.5	4.1	6.3	4.6	2.4	0.4	69.4	23.2	0.0	26.9	42.5	20.4	26.5
Iceland	451	10.1	2.2	2.1	6.8	1.4	8.5	1.0	9.3	11.1	2.7	44.9	31.9	0.0	26.4	18.5	29.9	33.9
Iran, Islamic Rep.	847	0.6	0.5	0.2	0.6	1.9	2.8	1.2	12.8	25.2	1.1	53.1	7.8	0.0	34.3	18.8	7.4	8.1
Ireland	705	4.6	0.7	6.6	3.2	3.3	14.3	0.4	12.9	14.3	3.4	36.3	33.1	0.0	15.3	21.0	34.7	31.5
Israel	572	3.8	2.4	1.6	4.5	0.5	11.8	3.8	18.1	19.0	2.1	32.4	28.3	0.0	18.2	14.2	25.2	31.0
Japan	1073	4.8	9.5	2.0	8.0	13.3	5.6	0.7	17.6	5.0	1.6	32.0	43.7	0.0	7.3	24.8	41.8	45.7
Korea	704	10.3	7.8	6.6	8.6	6.5	6.8	1.9	16.8	21.6	6.3	6.7	48.6	0.0	0.3	6.4	47.6	49.6
Kuwait	1081	2.1	0.4	0.9	0.7	4.6	0.8	1.4	2.2	12.1	0.0	75.0	10.7	1.8	56.9	16.3	11.0	10.5
Latvia (LSS)	552	4.9	2.4	2.3	4.1	2.7	7.7	5.1	3.4	8.6	0.1	58.8	29.2	0.0	27.7	31.1	30.2	28.4
Netherlands	637	19.2	5.0	0.8	19.5	1.0	6.5	3.8	7.4	27.4	0.8	8.6	55.8	0.0	2.9	5.8	52.0	60.8
New Zealand	599	4.4	3.5	4.7	2.2	4.3	11.5	0.4	16.9	8.4	2.2	41.4	31.1	0.0	20.7	20.7	31.5	30.6
Norway	558	16.5	1.9	1.5	11.5	0.8	6.9	2.0	13.9	4.9	2.7	37.4	41.2	0.0	24.0	13.4	33.4	48.0
Portugal	697	0.8	1.2	1.1	2.5	1.5	1.6	1.1	4.7	8.8	0.6	76.3	9.7	0.0	35.6	40.7	9.8	9.7
Scotland	821	8.4	3.0	4.8	8.3	1.7	7.7	1.2	11.0	16.0	1.0	36.9	35.1	0.0	17.0	19.9	35.2	34.5
Singapore	1789	5.0	4.5	1.1	3.8	5.4	16.5	0.3	14.6	27.3	3.5	18.1	36.6	0.0	5.2	12.8	36.8	36.5
Slovenia	646	7.9	4.9	5.0	12.0	2.7	7.9	6.9	6.0	13.2	1.4	32.1	47.3	0.0	13.9	18.2	49.2	45.2
Thailand	748	2.3	2.1	10.1	3.0	10.3	0.4	8.1	6.7	28.4	0.2	28.5	36.3	0.0	19.1	9.3	36.7	35.9
United States	1814	21.5	1.8	2.4	9.2	1.2	6.4	5.4	17.7	10.9	0.7	22.9	47.8	0.0	7.6	15.4	47.1	48.6
INTERNATIONAL AVG	.	7.8	3.1	3.0	6.7	3.6	7.1	2.8	12.0	13.2	1.6	39.2	34.0	0.1	19.9	19.2	32.8	35.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: X01
 Shown pictures of bowls of soup, one covered and one uncovered, which will stay hot longer? Why? (Physical Science)
 Difficulty: 626

COUNTRY	N	20	21	22	29	10	11	12	19	70	71	79	90	99	V1	V2	NOT			1.GIRL % Right	2.BOY % Right	
																	INVAL ID	REACH ED	OMIT			
Australia	1627	62.0	3.8	0.6	0.2	19.3	3.1	7.5	0.1	0.4	0.6	0.4	0.0	2.0	96.6	66.6	0.0	0.5	1.5	70.9	62.2	
Austria	665	43.8	0.0	0.0	0.3	22.3	2.8	26.7	0.2	0.6	0.7	0.9	0.0	1.7	96.1	44.1	0.0	0.7	1.0	44.9	43.1	
Canada	2130	59.9	0.1	0.0	0.5	26.4	3.6	4.8	0.3	1.8	0.9	0.3	0.4	1.2	95.5	60.4	0.0	0.3	0.9	65.4	56.4	
Cyprus	798	30.0	2.5	1.7	5.0	36.0	2.8	13.1	0.9	0.2	0.8	1.2	0.2	5.5	92.0	39.2	0.0	2.1	3.4	38.5	39.9	
Czech Republic	821	37.6	0.0	0.0	1.7	29.1	2.4	24.7	0.8	0.5	0.0	0.2	0.5	2.5	96.3	39.3	0.0	1.1	1.4	38.9	39.9	
England	778	57.2	0.0	0.0	1.4	28.6	2.2	5.7	0.4	1.7	0.8	0.0	0.3	1.8	95.4	58.6	0.0	1.0	0.8	58.6	58.5	
Greece	756	34.2	0.0	0.0	1.9	34.9	6.2	13.1	0.3	1.3	1.6	0.7	0.4	5.4	90.6	36.2	0.0	1.8	3.6	37.0	35.4	
Hong Kong	1102	27.8	0.0	0.0	4.9	37.9	4.1	20.6	0.3	0.9	1.7	0.7	0.0	1.0	95.6	32.8	0.0	0.1	1.0	32.8	32.5	
Hungary	749	30.3	0.0	0.0	8.8	30.3	1.4	16.0	5.9	0.2	0.6	0.8	0.0	5.7	92.7	39.1	0.0	4.3	1.4	36.4	41.9	
Iceland	448	18.8	0.0	0.0	3.5	18.5	3.4	47.2	0.5	0.4	1.2	0.2	0.0	6.4	91.9	22.3	0.0	5.4	0.9	23.0	21.5	
Iran, Islamic Rep.	849	20.7	0.0	0.0	3.9	23.0	14.5	22.4	0.6	0.6	3.6	0.7	1.1	8.9	85.1	24.5	0.0	3.1	5.9	22.1	26.9	
Ireland	708	57.2	0.0	0.0	0.2	31.8	2.7	4.1	0.1	1.3	0.5	0.0	0.1	2.0	96.0	57.5	0.0	0.6	1.3	58.7	56.2	
Israel	580	53.4	0.5	0.0	1.9	26.3	1.4	6.0	1.4	1.9	1.1	0.5	0.6	4.9	90.9	55.7	0.0	3.6	1.3	59.8	54.5	
Japan	1082	54.9	0.0	0.0	0.0	36.1	3.3	2.4	0.8	0.9	0.2	0.4	0.0	1.1	97.4	54.9	0.0	0.4	0.7	56.5	53.4	
Korea	715	66.9	4.4	4.3	4.3	15.1	1.1	1.4	0.5	0.5	0.7	0.4	0.1	0.1	98.0	79.9	0.0	0.0	0.1	79.7	80.2	
Kuwait	1084	8.9	1.3	1.0	5.1	20.7	3.8	31.8	0.8	1.1	3.2	3.1	0.0	19.1	73.5	16.4	1.4	4.8	13.0	15.8	16.9	
Latvia (LSS)	562	24.4	0.2	0.0	3.9	28.5	1.8	35.0	0.5	0.1	0.5	0.2	0.0	4.8	94.3	28.5	0.0	2.4	2.5	32.4	24.8	
Netherlands	620	61.2	0.0	0.0	0.1	19.0	10.8	6.3	0.6	0.5	0.1	0.4	0.2	0.9	97.8	61.3	0.0	0.0	0.9	58.6	64.5	
New Zealand	602	51.4	0.0	0.0	4.3	28.5	2.8	7.3	0.4	0.8	1.2	0.0	0.0	3.4	94.6	55.6	0.0	2.1	1.4	58.9	52.0	
Norway	559	43.9	0.2	0.0	0.0	32.3	4.6	12.4	0.2	1.6	0.3	0.0	0.0	4.5	93.6	44.1	0.0	3.7	0.9	48.3	39.4	
Portugal	711	21.9	0.0	0.0	2.9	40.2	3.6	19.0	0.2	1.2	0.8	0.3	0.4	9.4	87.8	24.8	0.0	6.6	2.8	25.2	24.3	
Scotland	813	47.2	0.0	0.0	1.8	35.1	4.1	6.1	0.2	0.9	1.5	0.7	0.2	2.4	94.4	48.9	0.0	0.9	1.5	48.7	48.8	
Singapore	1803	56.0	1.4	1.7	1.2	28.1	4.0	3.5	0.5	1.8	0.8	0.3	0.3	0.4	96.3	60.2	0.0	0.0	0.4	59.9	60.5	
Slovenia	631	42.2	0.5	0.0	2.5	21.6	3.9	25.5	0.2	1.2	1.2	0.0	0.4	0.8	96.4	45.2	0.0	0.4	0.4	46.6	44.3	
Thailand
United States	1807	58.5	0.0	0.0	8.3	21.1	2.4	5.1	0.2	1.7	0.9	0.7	0.1	1.0	95.6	66.9	0.0	0.3	0.8	66.6	67.1	
INTERNATIONAL AVG	.	42.8	0.6	0.4	2.7	27.6	3.9	14.7	0.7	1.0	1.0	0.5	0.2	3.9	93.4	46.5	0.1	1.8	2.0	47.4	45.8	

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: X02
 Write down one reason why animals could not live in a world without plants. (Life Science)
 Difficulty: 453

COUNTRY	N											NOT		1.GIRL % Right	2.BOY % Right	
		10	11	12	13	19	76	79	90	99	V1	INVAL ID	REACH ED			OMIT
Australia	1627	9.9	49.4	12.6	6.9	8.3	5.1	3.5	0.5	3.7	87.1	0.0	0.7	3.0	89.3	85.0
Austria	665	3.4	59.8	9.5	5.0	4.8	3.7	5.3	0.7	7.8	82.5	0.0	0.8	7.0	83.7	81.7
Canada	2130	8.7	52.4	8.4	5.2	2.9	7.6	7.5	1.1	6.1	77.6	0.0	0.4	5.7	80.3	75.1
Cyprus	798	4.5	52.2	5.0	5.4	2.5	3.5	8.4	2.2	16.3	69.6	0.0	3.9	12.4	73.7	65.3
Czech Republic	820	6.8	47.3	15.2	7.1	2.6	8.3	4.4	0.7	7.7	79.0	0.0	1.7	6.0	80.0	77.9
England	778	7.5	57.2	9.7	3.4	7.3	3.3	2.9	2.7	6.0	85.1	0.0	1.3	4.7	86.9	83.3
Greece	756	15.8	48.2	2.2	1.6	1.7	3.0	10.8	2.8	13.9	69.5	0.0	2.2	11.7	71.8	67.2
Hong Kong	1102	4.4	35.4	26.4	1.7	3.5	2.0	15.3	0.5	10.8	71.4	0.0	0.1	10.7	73.1	69.8
Hungary	749	3.5	49.0	8.3	7.5	5.8	6.9	5.0	0.5	13.7	74.0	0.0	4.3	9.4	75.8	72.5
Iceland	449	12.9	45.2	6.3	4.2	1.8	3.2	7.4	2.5	16.5	70.4	0.0	5.7	10.8	77.8	62.0
Iran, Islamic Rep.	849	6.0	46.8	0.6	0.4	6.4	3.3	10.7	2.2	23.5	60.2	0.0	4.6	18.9	61.4	59.1
Ireland	708	4.8	64.6	5.7	3.2	2.0	8.3	3.2	2.3	5.9	80.4	0.0	1.0	4.9	84.3	76.4
Israel	579	9.9	66.3	4.7	1.8	1.7	1.6	4.3	2.0	7.6	84.4	0.0	4.0	3.6	87.2	84.7
Japan	1082	7.6	57.6	20.7	4.2	1.2	1.3	3.4	1.6	2.5	91.3	0.0	0.5	2.0	90.9	91.7
Korea	715	35.4	32.1	13.4	2.1	4.7	1.4	9.9	1.0	0.1	87.6	0.0	0.0	0.1	88.5	86.8
Kuwait	1086	11.5	27.6	0.9	0.9	2.8	3.9	7.5	0.0	44.9	43.7	7.5	9.9	27.4	50.8	37.2
Latvia (LSS)	562	6.7	55.2	6.7	1.8	6.3	4.0	8.8	0.1	10.3	76.7	0.0	3.1	7.2	81.9	71.9
Netherlands	620	8.7	49.2	20.9	8.0	1.6	6.0	3.2	0.4	1.9	88.5	0.0	0.0	1.9	87.9	88.7
New Zealand	602	8.0	42.7	11.1	10.3	5.3	9.8	2.7	0.8	9.1	77.5	0.0	2.4	6.7	81.4	73.1
Norway	559	7.9	52.5	8.4	8.9	0.9	3.3	2.6	1.9	13.7	78.5	0.0	3.8	9.9	80.9	76.2
Portugal	711	4.4	40.1	17.3	5.6	0.4	6.1	5.7	1.0	19.4	67.8	0.0	8.4	11.0	72.2	63.2
Scotland	813	6.5	59.8	5.2	2.6	3.4	8.6	5.1	1.3	7.5	77.5	0.0	1.0	6.5	80.4	74.6
Singapore	1803	8.3	44.9	25.1	4.0	2.8	4.9	7.0	1.2	1.6	85.2	0.0	0.1	1.5	87.0	83.5
Slovenia	631	12.1	61.4	7.4	5.8	0.7	2.2	2.3	1.8	6.3	87.4	0.0	0.6	5.7	90.0	84.2
Thailand	792	2.7	40.2	2.2	3.0	8.7	4.2	29.7	2.1	7.2	56.8	0.0	0.3	6.9	60.2	53.8
United States	1807	16.3	45.5	12.4	7.1	1.9	8.1	3.2	1.4	4.2	83.1	0.0	0.3	3.8	85.2	81.0
INTERNATIONAL AVG	.	9.0	49.3	10.2	4.5	3.5	4.8	6.9	1.4	10.3	76.7	0.3	2.4	7.7	79.3	74.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: X03

Write as completely as possible why large oil spills in rivers and seas are harmful to the environment. (Environment and other content)

Difficulty: 686

COUNTRY	N	20	21	29	10	11	12	13	19	70	71	72	79	90	99	V1	V2	NOT		1.GIRL	2.BOY	
																		INVAL ID	REACH ED			OMIT	% Right	% Right
Australia	1627	9.8	24.7	2.0	32.7	4.4	0.6	0.3	3.6	2.1	3.0	0.4	6.7	1.5	8.1	78.1	36.5	0.0	0.9	7.2	39.4	33.5
Austria	665	12.3	14.6	2.1	23.3	8.4	0.6	0.1	5.8	0.4	8.4	0.3	8.4	2.0	13.3	67.2	29.0	0.0	1.0	12.3	30.1	28.2
Canada	2130	16.4	11.5	1.9	29.7	8.9	0.5	0.2	5.6	0.3	6.0	0.3	6.2	2.2	10.1	74.8	29.8	0.0	1.4	8.8	31.8	28.5
Cyprus	798	3.6	8.7	6.0	8.9	4.4	1.8	1.0	15.1	0.1	3.1	1.4	9.3	2.4	34.1	49.6	18.3	0.0	6.3	27.8	20.4	16.1
Czech Republic	822	8.8	9.6	3.6	25.8	5.3	1.1	0.2	11.4	0.5	6.4	0.9	9.4	1.0	16.1	65.7	22.0	0.0	2.6	13.5	23.2	20.6
England	778	11.8	14.1	2.5	28.9	6.0	0.5	0.0	5.6	1.9	3.6	0.2	5.0	4.9	14.9	69.4	28.4	0.0	1.8	13.1	33.0	23.6
Greece	756	7.7	11.8	5.1	16.3	10.6	0.2	0.3	2.7	0.4	4.9	0.3	8.1	2.3	29.4	54.7	24.6	0.0	3.7	25.6	23.9	25.3
Hong Kong	1092	0.8	7.9	0.0	16.8	10.3	4.6	0.1	2.5	3.3	5.2	0.3	24.8	1.8	21.6	43.1	8.7	0.0	0.1	21.5	9.0	8.5
Hungary	749	3.6	21.6	1.3	37.9	10.7	1.4	0.1	7.2	0.0	0.3	0.6	1.9	0.7	12.7	83.9	26.5	0.0	5.4	7.3	28.9	24.1
Iceland	449	6.5	8.1	5.5	16.4	2.8	1.5	0.0	8.0	4.6	9.9	0.2	10.1	3.7	22.7	48.8	20.2	0.0	8.0	14.7	21.3	18.9
Iran, Islamic Rep.	849	4.6	0.8	1.7	4.1	8.6	0.6	0.5	4.8	0.1	1.3	1.4	19.6	2.2	49.7	25.7	7.1	0.0	10.8	38.9	8.0	6.1
Ireland	708	7.4	21.0	1.6	35.9	4.5	0.5	0.1	1.3	0.3	2.4	0.1	8.5	3.8	12.6	72.3	30.0	0.0	1.6	11.0	29.6	30.4
Israel	580	23.7	8.7	3.2	9.0	8.6	3.3	0.3	4.8	0.3	7.6	10.3	6.2	2.4	11.6	61.6	35.6	0.0	4.2	7.4	37.5	35.9
Japan	1082	17.5	35.1	0.3	19.1	11.1	0.6	0.0	0.6	0.0	1.1	0.7	7.8	2.1	4.1	84.3	52.8	0.0	0.6	3.5	56.2	49.6
Korea	715	46.7	16.5	0.6	12.3	7.5	0.4	2.8	3.7	0.2	3.7	0.4	3.5	1.6	0.1	90.4	63.8	0.0	0.0	0.1	66.1	61.6
Kuwait	1081	6.4	3.3	1.5	4.3	1.6	0.2	0.1	2.2	1.1	4.0	0.3	10.2	0.0	64.9	19.6	11.2	3.7	13.0	48.3	11.6	10.9
Latvia (LSS)	562	6.7	9.6	8.1	14.5	7.9	0.5	0.4	5.9	0.9	10.0	0.6	9.7	0.6	24.6	53.5	24.3	0.0	4.2	20.5	24.0	24.5
Netherlands	620	18.5	1.1	0.4	46.1	5.2	1.1	0.0	11.6	1.8	3.4	0.7	5.7	0.8	3.5	84.1	20.0	0.0	0.0	3.5	23.0	17.2
New Zealand	602	10.5	26.3	1.3	24.8	3.7	0.2	0.6	1.7	1.3	4.5	0.2	6.8	2.0	16.1	69.1	38.1	0.0	3.2	12.9	41.4	34.5
Norway	559	7.2	13.1	0.9	31.2	6.8	0.8	0.6	4.5	0.4	9.5	0.4	4.1	3.5	17.0	65.2	21.2	0.0	6.2	10.7	25.3	18.2
Portugal	711	11.1	15.7	2.5	7.7	5.5	2.8	1.4	5.5	0.4	3.2	0.3	8.5	1.4	34.0	52.2	29.4	0.0	13.1	20.9	28.8	30.0
Scotland	813	11.3	10.5	1.5	33.2	4.2	0.8	0.1	5.7	2.6	4.6	0.2	8.7	1.8	14.8	67.3	23.3	0.0	1.6	13.1	25.5	20.8
Singapore	1803	11.0	8.7	1.7	20.9	11.9	2.6	0.1	3.4	0.5	11.8	0.9	18.6	1.7	6.2	60.3	21.4	0.0	0.1	6.1	20.7	22.0
Slovenia	631	8.7	10.1	2.4	23.8	11.4	3.0	0.4	8.6	0.7	3.1	0.9	7.1	2.8	17.0	68.3	21.1	0.0	1.4	15.6	23.6	18.1
Thailand	792	4.7	8.0	0.8	14.7	11.8	2.0	0.0	0.6	4.8	6.8	0.7	28.9	2.7	13.2	42.8	13.6	0.0	2.9	10.3	13.7	13.5
United States	1807	27.7	13.2	5.5	23.8	4.9	0.3	0.2	7.1	0.5	1.9	0.1	8.1	1.7	5.1	82.6	46.4	0.0	0.6	4.5	49.7	43.1
INTERNATIONAL AVG	.	11.7	12.9	2.5	21.6	7.2	1.3	0.4	5.4	1.1	5.0	0.9	9.7	2.1	18.4	62.9	27.0	0.1	3.6	14.6	28.7	25.5

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: X04
 Shown pictures of stages in a frog's growth, indicate order of the stages. (Life Science)
 Difficulty: 395

COUNTRY	N	10	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
							INVAL	REACH	ED		
Australia	1627	93.6	3.0	0.2	3.2	93.6	0.0	1.7	1.5	94.1	93.1
Austria	665	95.1	2.2	0.6	2.1	95.1	0.0	1.2	1.0	95.9	95.1
Canada	2130	92.2	2.1	1.0	4.7	92.2	0.0	2.3	2.4	91.0	94.1
Cyprus	798	70.5	15.2	0.5	13.8	70.5	0.0	8.0	5.8	71.2	69.9
Czech Republic	823	90.3	2.1	2.1	5.5	90.3	0.0	3.4	2.0	91.2	89.4
England	778	90.6	3.4	1.3	4.6	90.6	0.0	3.3	1.3	91.9	89.3
Greece	756	78.6	11.8	1.5	8.2	78.6	0.0	4.9	3.3	79.0	78.1
Hong Kong	1099	95.1	4.2	0.2	0.5	95.1	0.0	0.2	0.3	96.6	93.7
Hungary	749	86.6	4.0	0.3	9.1	86.6	0.0	6.3	2.8	89.4	84.2
Iceland	449	71.2	12.0	1.5	15.3	71.2	0.0	10.8	4.5	72.0	70.4
Iran, Islamic Rep.	849	16.5	42.0	5.5	36.0	16.5	0.0	14.1	21.9	17.4	15.6
Ireland	708	89.4	6.3	0.9	3.5	89.4	0.0	2.5	0.9	92.4	86.4
Israel	580	78.7	13.7	1.9	5.7	78.7	0.0	4.2	1.6	77.7	80.5
Japan	1082	96.8	2.5	0.0	0.7	96.8	0.0	0.6	0.1	97.1	96.5
Korea	715	94.2	4.3	1.4	0.1	94.2	0.0	0.0	0.1	94.0	94.3
Kuwait	1082	63.9	8.9	0.0	27.2	63.9	4.8	15.1	7.4	71.2	57.0
Latvia (LSS)	562	77.0	11.2	1.1	10.7	77.0	0.0	5.2	5.6	83.3	71.2
Netherlands	620	96.8	1.2	0.4	1.6	96.8	0.0	0.0	1.6	96.5	97.3
New Zealand	602	84.9	6.9	1.1	7.1	84.9	0.0	5.5	1.6	88.4	80.9
Norway	559	84.3	5.2	0.6	10.0	84.3	0.0	7.7	2.3	83.2	84.4
Portugal	711	62.4	10.3	2.8	24.5	62.4	0.0	16.7	7.8	64.5	60.2
Scotland	813	87.3	6.1	1.3	5.3	87.3	0.0	2.5	2.8	87.2	87.5
Singapore	1803	95.5	4.0	0.3	0.3	95.5	0.0	0.2	0.0	96.6	94.5
Slovenia	631	88.6	4.9	1.9	4.6	88.6	0.0	2.3	2.4	91.3	85.3
Thailand	792	74.8	11.7	0.0	13.4	74.8	0.0	3.7	9.7	77.8	72.1
United States	1807	93.5	4.6	0.2	1.7	93.5	0.0	0.9	0.8	93.2	93.8
INTERNATIONAL AVG	.	82.6	7.8	1.1	8.4	82.6	0.2	4.7	3.5	84.0	81.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: X05 KEY: B
 Identify characteristics of fish with respect to backbone and environment. (Life Science)
 Difficulty: 534

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	1627	2.0	69.1	0.9	11.1	16.9	69.1	0.0	2.1	14.8	69.4	68.7
Austria	665	0.6	43.8	0.6	34.8	20.1	43.8	13.4	1.3	5.3	43.1	43.3
Canada	2130	1.9	57.2	0.7	18.1	22.0	57.2	7.3	3.6	11.1	51.7	61.3
Cyprus	798	2.2	57.5	0.6	4.5	35.2	57.5	13.0	9.2	13.0	57.6	57.3
Czech Republic	823	0.9	71.3	0.7	3.8	23.2	71.3	14.9	4.8	3.5	70.8	71.9
England	778	1.5	62.7	0.8	17.5	17.5	62.7	0.0	3.7	13.9	64.7	60.7
Greece	755	1.2	61.2	0.5	7.1	29.9	61.2	13.6	5.6	10.8	65.4	56.9
Hong Kong	1103	1.6	62.6	0.4	13.1	22.3	62.6	12.3	0.4	9.6	60.9	64.0
Hungary	749	0.5	65.0	0.3	10.7	23.5	65.0	0.0	8.3	15.2	65.5	64.3
Iceland	449	3.0	52.8	0.4	11.8	32.1	52.8	8.3	13.4	10.5	50.1	55.9
Iran, Islamic Rep.	849	3.2	36.3	1.3	7.3	51.9	36.3	26.7	16.8	8.4	37.2	35.4
Ireland	708	2.3	60.7	2.0	13.5	21.5	60.7	14.2	3.5	3.9	60.8	60.5
Israel	580	2.4	42.9	1.0	14.1	39.6	42.9	14.6	5.4	19.5	44.1	41.6
Japan	1082	2.1	87.9	0.7	6.1	3.2	87.9	0.3	0.7	2.3	89.2	86.6
Korea	715	1.3	82.1	1.0	6.6	8.9	82.1	0.0	0.0	8.9	83.9	80.5
Kuwait	1033	6.9	47.2	1.5	4.4	40.1	47.2	0.0	17.2	22.9	52.9	41.9
Latvia (LSS)	527	1.2	56.1	1.9	17.3	23.6	56.1	0.0	7.3	16.4	59.0	53.4
Netherlands	620	1.1	46.9	1.1	35.4	15.4	46.9	15.0	0.0	0.5	45.7	48.5
New Zealand	602	1.1	60.9	0.7	13.6	23.7	60.9	0.0	6.1	17.7	64.2	57.2
Norway	559	0.5	61.4	0.7	14.0	23.4	61.4	4.3	9.8	9.4	58.4	64.4
Portugal	709	2.5	26.6	3.4	22.6	44.9	26.6	0.0	19.5	25.4	31.1	21.8
Scotland	813	2.6	56.1	0.9	19.2	21.1	56.1	7.9	3.1	10.2	58.6	53.3
Singapore	1802	1.9	79.2	0.8	5.1	13.1	79.2	0.0	0.3	12.8	80.1	78.4
Slovenia	630	3.7	76.0	0.6	3.6	16.0	76.0	8.0	2.8	5.2	77.8	73.5
Thailand	792	2.7	52.2	1.5	17.0	26.5	52.2	0.1	5.2	21.2	50.5	53.8
United States	1807	1.8	59.3	0.5	20.3	18.1	59.3	6.6	1.2	10.3	58.9	59.7
INTERNATIONAL AVG	.	2.0	59.0	1.0	13.6	24.4	59.0	6.9	5.8	11.6	59.7	58.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Y01
 Why do the sun and Moon appear the same size when you look at them from Earth? (Earth Science)
 Difficulty: 693

COUNTRY	N	10	19	70	71	72	73	74	76	79	90	99	V1	NOT		1.GIRL % Right	2.BOY % Right	
														INVAL ID	REACH ED			
Australia	1635	42.9	0.9	2.6	1.3	23.4	0.4	1.6	1.8	18.1	1.6	5.5	43.7	0.0	1.5	4.0	38.7	48.9
Austria	670	38.2	1.9	4.3	1.7	16.9	1.1	1.1	1.4	19.1	1.2	13.1	40.1	0.0	1.7	11.4	28.5	51.1
Canada	2123	34.8	0.9	3.0	1.9	22.8	1.5	2.0	2.2	21.0	3.2	6.8	35.7	0.0	1.2	5.6	30.7	39.6
Cyprus	831	9.3	0.2	4.1	0.7	24.4	3.1	4.3	4.0	24.0	1.1	24.9	9.5	0.0	6.9	17.9	7.9	11.2
Czech Republic	817	37.5	0.8	2.7	1.7	17.9	0.5	3.4	3.1	19.3	2.4	10.8	38.3	0.0	2.4	8.4	31.7	45.3
England	786	35.1	0.1	2.2	1.8	24.0	1.0	3.1	1.9	19.5	3.6	7.7	35.2	0.0	2.1	5.6	30.2	40.4
Greece	745	9.2	3.2	7.1	0.3	30.5	1.1	3.9	1.7	16.6	2.2	24.2	12.4	0.0	7.2	17.0	11.4	13.5
Hong Kong	1101	29.6	0.0	2.2	0.8	21.3	0.9	2.1	3.7	23.5	2.5	13.3	29.6	0.0	3.8	9.5	26.1	32.7
Hungary	748	32.6	0.2	4.5	1.8	22.1	2.6	0.6	3.1	17.3	1.7	13.4	32.9	0.0	4.5	8.9	25.5	39.7
Iceland	439	36.0	1.6	1.2	1.9	11.9	1.7	2.1	3.7	19.5	4.8	15.6	37.5	0.0	10.1	5.6	32.4	43.4
Iran, Islamic Rep.	845	8.7	3.2	2.0	0.2	23.5	1.2	3.5	1.8	23.2	6.2	26.5	11.9	0.0	8.6	17.9	7.9	15.8
Ireland	721	32.7	0.6	2.9	1.5	28.6	1.1	0.7	1.8	20.0	2.9	7.2	33.3	0.0	2.0	5.2	28.3	38.3
Israel	567	22.7	2.7	1.4	0.7	18.6	0.8	2.8	7.3	23.7	4.8	14.5	25.4	0.0	5.4	9.1	21.7	31.4
Japan	1081	43.3	0.0	2.0	2.1	7.9	0.3	3.1	1.6	33.0	1.5	5.1	43.3	0.0	0.4	4.7	38.7	47.8
Korea	702	44.0	1.7	3.4	0.6	27.0	0.4	3.0	0.6	16.4	2.7	0.3	45.6	0.0	0.0	0.3	38.9	52.2
Kuwait	1069	12.5	3.8	3.9	0.7	10.9	0.6	4.7	5.5	11.5	0.0	45.8	16.4	5.1	11.8	28.9	13.7	18.8
Latvia (LSS)	557	29.2	1.1	0.8	1.2	10.0	8.7	2.0	2.7	31.2	0.2	12.7	30.3	0.0	4.8	8.0	30.5	30.2
Netherlands	629	37.5	0.6	3.0	5.2	28.2	2.2	1.4	1.6	17.3	0.6	2.5	38.1	0.0	0.5	2.0	32.9	44.5
New Zealand	603	33.4	0.1	4.2	1.7	25.2	0.8	1.2	4.2	18.0	0.9	10.3	33.5	0.0	4.1	6.1	31.4	35.6
Norway	567	42.2	0.4	5.1	0.6	8.9	3.5	0.7	3.0	18.3	4.3	13.0	42.6	0.0	3.4	9.6	34.8	48.3
Portugal	723	13.8	1.5	1.7	2.1	18.4	1.7	2.9	2.2	31.1	3.7	20.8	15.3	0.0	9.5	11.3	14.8	15.9
Scotland	819	34.1	1.5	3.9	1.9	20.9	1.0	3.2	3.4	19.9	1.2	8.9	35.6	0.0	2.8	6.2	26.9	44.4
Singapore	1782	26.5	0.1	2.9	1.0	38.4	1.6	1.0	2.4	22.9	1.4	1.9	26.6	0.0	0.6	1.3	23.5	29.3
Slovenia	630	28.3	0.9	3.9	0.8	22.8	6.3	3.2	2.4	20.7	1.6	9.2	29.1	0.0	1.9	7.3	24.2	34.0
Thailand	726	17.9	0.3	4.3	2.2	21.1	0.9	7.4	5.6	30.8	0.6	9.0	18.2	0.0	3.5	5.5	14.4	21.9
United States	1800	32.3	0.4	4.4	2.3	31.4	0.4	0.6	2.8	20.2	1.3	3.9	32.7	0.0	1.0	3.0	28.4	37.6
INTERNATIONAL AVG	.	29.4	1.1	3.2	1.5	21.4	1.7	2.5	2.9	21.4	2.2	12.6	30.5	0.2	3.9	8.5	25.9	35.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Y02A

Write down two changes that occur in children's bodies as they become adults. 1st answer (Life Science)

Difficulty: 498

COUNTRY	N	NOT REACHED												OMIT	1.GIRL % Right	2.BOY % Right		
		10	11	12	19	70	71	72	76	79	90	99	V1					
Australia	1635	53.9	15.6	3.2	2.4	2.2	0.5	0.9	2.3	9.2	1.2	8.4	75.2	0.0	2.5	5.9	77.9	72.4
Austria	670	29.5	44.2	2.5	2.4	0.8	0.3	0.0	0.6	9.0	1.1	9.7	78.5	0.0	3.7	6.1	78.7	78.5
Canada	2123	51.4	11.3	4.8	3.0	1.7	2.4	0.5	3.6	8.6	5.5	7.3	70.4	0.0	2.8	4.6	70.0	70.7
Cyprus	831	42.6	2.0	3.8	3.2	1.8	0.4	4.3	2.2	15.9	1.4	22.4	51.6	0.0	14.8	7.6	52.2	50.8
Czech Republic	818	37.3	13.9	1.5	0.7	10.5	5.8	0.0	6.1	10.3	1.4	12.4	53.4	0.0	5.0	7.4	53.2	53.6
England	786	51.1	9.2	3.0	6.8	1.5	0.5	0.6	1.1	13.1	3.2	9.9	70.2	0.0	4.1	5.7	72.4	67.9
Greece	745	46.2	11.2	5.2	2.4	1.7	1.0	1.2	1.6	7.9	2.8	18.9	65.0	0.0	12.3	6.7	67.2	62.7
Hong Kong	1101	55.7	8.6	1.6	1.1	0.7	0.5	0.0	3.0	8.4	2.7	17.6	67.0	0.0	7.0	10.6	67.6	66.7
Hungary	748	43.1	9.6	0.4	5.4	7.5	3.6	0.6	1.3	7.0	1.3	20.4	58.4	0.0	9.0	11.4	57.1	60.0
Iceland	439	49.2	12.5	0.7	1.4	2.0	1.3	0.0	1.8	7.9	2.6	20.6	63.8	0.0	12.4	8.2	63.0	64.6
Iran, Islamic Rep.	847	10.7	3.7	1.6	1.0	2.4	2.0	0.2	0.5	24.2	5.8	47.8	17.0	0.0	19.8	28.0	17.8	16.2
Ireland	721	47.9	4.3	0.5	20.1	1.3	0.6	0.5	0.6	9.6	2.8	11.6	72.9	0.0	3.8	7.9	73.6	72.2
Israel	567	49.5	9.1	1.8	5.4	2.8	1.5	0.6	2.3	10.0	4.3	12.8	65.8	0.0	7.8	5.0	67.9	67.9
Japan	1081	72.7	15.6	0.4	1.3	0.5	0.4	0.5	0.3	3.1	0.8	4.3	90.0	0.0	1.9	2.5	90.1	89.8
Korea	702	68.9	17.5	2.6	2.0	1.6	0.3	0.3	0.5	4.1	2.0	0.3	91.0	0.0	0.3	0.0	92.0	90.1
Kuwait	1072	24.5	6.0	3.8	2.2	4.4	3.2	0.7	1.2	7.7	0.0	46.3	36.6	4.5	23.5	18.2	44.3	29.5
Latvia (LSS)	557	39.6	4.2	3.4	5.8	5.7	0.4	0.5	1.0	16.5	0.7	22.2	53.0	0.0	9.4	12.7	52.6	53.5
Netherlands	629	44.0	23.2	8.8	9.7	0.6	0.1	3.6	0.3	6.5	0.8	2.5	85.6	0.0	1.5	0.9	85.7	86.6
New Zealand	603	46.9	11.3	1.7	4.2	2.4	1.3	0.1	3.6	13.9	2.0	12.6	64.1	0.0	7.4	5.3	69.0	59.4
Norway	567	46.8	21.0	0.8	7.7	1.5	1.2	0.8	1.1	4.8	3.2	10.9	76.3	0.0	6.4	4.5	78.8	73.5
Portugal	723	39.9	6.8	2.2	4.9	1.0	1.5	0.2	1.8	14.1	3.4	24.1	53.8	0.0	15.4	8.7	53.2	54.3
Scotland	819	53.2	8.0	3.0	6.3	0.9	0.5	1.8	1.2	14.1	1.1	9.9	70.5	0.0	5.4	4.5	72.2	68.6
Singapore	1782	61.3	4.1	0.4	0.8	0.4	0.2	1.2	1.9	24.6	1.8	3.4	66.6	0.0	1.0	2.4	68.0	65.2
Slovenia	630	37.0	11.0	1.8	4.8	2.3	1.5	0.6	1.6	21.9	2.8	14.8	54.6	0.0	4.3	10.5	53.1	56.2
Thailand	726	30.3	2.9	0.9	3.1	5.1	0.1	0.0	8.4	35.5	0.4	13.3	37.2	0.0	7.9	5.4	36.8	37.6
United States	1800	61.1	9.0	1.5	2.3	2.0	1.4	0.9	2.6	13.2	1.4	4.6	74.0	0.0	2.2	2.4	73.8	74.1
INTERNATIONAL AVG	.	45.9	11.4	2.4	4.2	2.5	1.3	0.8	2.0	12.3	2.2	15.0	63.9	0.2	7.4	7.4	64.9	63.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Y02B

Write down two changes that occur in children's bodies as they become adults. 2nd answer (Life Science)

Difficulty: 637

COUNTRY	N	NOT REACHED												OMIT	1.GIRL % Right	2.BOY % Right		
		10	11	12	19	70	71	72	76	79	90	99	V1					
Australia	1635	29.2	16.1	3.2	1.6	7.2	1.9	1.6	2.9	15.1	0.9	20.3	50.1	0.0	4.5	15.8	52.6	47.6
Austria	670	19.2	32.3	3.8	3.5	3.7	0.9	0.2	1.7	13.9	1.1	19.7	58.9	0.0	4.6	15.0	64.1	53.7
Canada	2123	26.8	12.5	5.2	3.4	5.3	3.4	1.2	4.3	15.1	2.8	20.1	47.8	0.0	3.8	16.3	48.8	48.8
Cyprus	831	19.2	2.2	4.5	2.3	4.7	0.6	3.8	1.4	21.5	0.7	39.0	28.3	0.0	17.6	21.4	27.8	28.8
Czech Republic	818	15.9	12.1	2.6	1.2	12.5	6.9	0.3	7.5	16.6	0.5	23.9	31.8	0.0	7.2	16.7	32.8	30.8
England	786	21.3	12.0	3.4	5.6	2.5	0.7	1.9	2.1	25.8	2.8	22.1	42.2	0.0	6.9	15.2	45.3	39.0
Greece	745	15.3	9.4	4.7	3.2	3.1	3.8	1.4	1.2	21.4	1.8	34.8	32.6	0.0	15.0	19.8	33.0	32.1
Hong Kong	1096	40.3	7.9	1.7	0.9	1.5	0.3	0.1	2.5	12.2	2.6	30.0	50.8	0.0	9.5	20.5	53.5	48.8
Hungary	748	23.6	9.3	14.1	2.3	6.3	2.1	0.6	7.0	6.1	1.2	27.4	49.2	0.0	12.5	14.9	48.3	50.3
Iceland	439	23.3	10.9	1.5	2.5	3.8	1.1	0.3	2.9	12.8	1.2	39.6	38.3	0.0	14.8	24.8	36.9	39.9
Iran, Islamic Rep.	847	4.0	3.5	2.4	0.6	1.1	2.8	0.1	0.1	16.6	3.2	65.7	10.5	0.0	27.3	38.5	11.4	9.6
Ireland	721	30.3	4.8	2.0	8.5	5.7	1.1	2.0	1.4	19.7	0.8	23.7	45.6	0.0	5.3	18.4	46.3	44.9
Israel	566	24.7	8.1	2.7	6.8	3.2	3.1	0.4	1.9	18.4	2.7	27.9	42.4	0.0	9.9	18.0	42.2	43.9
Japan	1081	7.4	11.1	0.8	2.7	3.0	1.3	1.2	1.0	4.2	0.3	66.8	22.0	0.0	2.7	64.1	19.5	24.4
Korea	702	34.3	17.8	5.7	2.1	1.9	0.6	2.3	0.2	23.2	7.2	4.8	59.9	0.0	0.3	4.5	61.1	58.8
Kuwait	1069	10.7	2.8	6.8	0.7	1.9	1.5	0.3	2.7	6.5	0.0	65.9	21.1	2.9	27.7	35.3	27.8	15.0
Latvia (LSS)	557	9.1	3.3	2.6	3.3	3.0	0.9	0.2	0.9	13.8	0.3	62.5	18.4	0.0	13.9	48.5	18.9	17.9
Netherlands	629	24.0	21.7	8.7	6.0	5.3	4.1	4.4	1.5	15.3	0.3	8.7	60.4	0.0	1.7	7.0	58.0	62.0
New Zealand	603	25.2	8.4	1.6	1.4	5.9	3.4	2.0	3.5	18.7	2.2	27.6	36.6	0.0	9.1	18.5	37.1	36.1
Norway	567	25.9	19.9	2.0	5.3	4.1	4.3	1.3	2.0	9.4	3.4	22.5	53.0	0.0	8.3	14.2	53.5	52.0
Portugal	723	12.6	4.9	2.5	2.1	1.7	0.8	0.1	2.2	10.1	0.3	62.7	22.0	0.0	18.7	44.0	17.6	26.0
Scotland	819	27.7	8.6	4.6	2.4	5.7	1.1	3.8	2.4	23.3	0.7	19.8	43.3	0.0	7.2	12.6	44.9	41.6
Singapore	1782	45.8	4.0	1.1	0.5	1.5	0.4	1.2	0.8	26.9	2.6	15.2	51.4	0.0	1.3	13.9	52.0	50.8
Slovenia	630	11.1	6.4	2.2	5.1	5.0	3.1	0.7	2.0	26.5	1.0	37.0	24.8	0.0	6.5	30.5	25.4	24.4
Thailand	726	19.4	1.6	0.9	0.7	3.7	0.8	0.0	2.0	38.6	0.3	32.0	22.6	0.0	11.1	20.9	22.4	22.7
United States	1800	37.1	10.8	2.4	2.4	6.0	3.5	0.9	3.1	19.2	1.2	13.5	52.7	0.0	2.7	10.8	52.6	52.8
INTERNATIONAL AVG	.	22.4	10.1	3.6	3.0	4.2	2.1	1.2	2.3	17.4	1.6	32.0	39.1	0.1	9.6	22.3	39.8	38.6

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Y03A
 Besides escaping, what are two ways animals protect themselves? 1st answer (Life Science)
 Difficulty: 510

COUNTRY	N	10	11	12	13	19	76	79	90	99	V1	NOT		1.GIRL % Right	2.BOY % Right	
												INVAL ID	REACH ED			
Australia	1635	22.2	8.6	37.0	6.8	0.6	13.7	3.1	1.1	7.0	75.1	0.0	5.3	1.7	78.1	72.1
Austria	670	5.5	2.7	44.1	6.3	2.6	25.1	6.1	1.1	6.4	61.3	0.0	4.9	1.5	59.3	63.7
Canada	2123	18.3	12.1	35.6	5.1	1.0	14.7	5.9	1.6	5.8	72.1	0.0	4.3	1.5	74.5	69.2
Cyprus	824	4.4	4.1	18.7	1.7	9.0	16.7	17.6	1.5	26.2	37.9	0.0	20.2	6.1	33.1	43.2
Czech Republic	818	16.0	9.7	32.5	3.9	0.5	21.7	2.0	1.9	11.8	62.5	0.0	8.6	3.2	61.8	63.2
England	786	16.2	6.0	39.5	4.9	0.4	14.9	3.5	3.6	11.1	66.9	0.0	8.6	2.5	67.8	65.9
Greece	745	5.1	8.7	27.9	10.7	8.6	9.4	6.6	2.9	20.2	61.0	0.0	16.6	3.6	60.4	61.6
Hong Kong	1101	4.3	2.2	38.0	15.8	0.6	17.6	6.3	2.3	12.8	61.0	0.0	10.5	2.3	62.2	59.9
Hungary	748	12.1	11.9	14.2	2.5	2.0	3.0	6.9	0.3	47.0	42.7	0.0	15.6	31.4	45.5	40.4
Iceland	439	18.8	14.5	11.0	3.4	0.5	24.3	4.6	1.0	21.9	48.2	0.0	17.6	4.2	49.9	46.4
Iran, Islamic Rep.	847	5.9	9.6	16.6	3.3	0.1	19.1	8.2	3.7	33.5	35.5	0.0	29.9	3.6	35.3	35.6
Ireland	721	18.3	6.3	34.8	6.8	0.4	20.0	4.4	1.4	7.6	66.6	0.0	6.3	1.3	67.1	66.0
Israel	565	14.4	13.1	27.9	2.6	7.6	6.1	7.2	4.4	16.6	65.7	0.0	12.1	4.5	67.1	69.4
Japan	1081	5.7	12.2	71.3	2.6	0.3	1.3	1.2	1.1	4.3	92.1	0.0	3.8	0.4	92.4	91.8
Korea	702	9.3	2.7	64.0	2.4	1.9	6.8	11.2	1.4	0.3	80.2	0.0	0.3	0.0	79.3	81.2
Kuwait	759	3.7	1.9	20.0	0.3	2.2	15.0	7.9	0.0	49.0	28.1	2.3	43.3	3.5	34.4	22.1
Latvia (LSS)	557	9.2	30.5	13.8	3.6	3.1	5.3	12.8	0.5	21.3	60.2	0.0	18.9	2.3	60.8	59.7
Netherlands	629	10.6	8.1	49.6	9.3	5.9	9.8	4.2	0.1	2.5	83.4	0.0	1.7	0.8	81.3	85.9
New Zealand	603	18.9	5.6	30.9	7.4	1.0	17.6	4.6	1.5	12.6	63.7	0.0	10.7	1.9	68.1	59.5
Norway	567	15.6	12.3	31.5	4.8	0.4	18.3	2.0	2.7	12.5	64.6	0.0	10.0	2.5	64.6	65.0
Portugal	723	14.5	14.9	10.8	3.7	3.3	10.6	5.4	3.2	33.5	47.2	0.0	24.3	9.3	46.6	47.8
Scotland	819	15.6	3.3	39.1	5.0	1.4	19.8	6.0	0.6	9.1	64.5	0.0	7.9	1.2	63.2	65.7
Singapore	1782	7.4	2.4	52.3	6.1	0.5	24.8	2.8	1.5	2.2	68.7	0.0	1.7	0.6	70.1	67.3
Slovenia	629	12.9	3.1	40.0	3.2	7.5	13.4	5.5	1.1	13.3	66.7	0.0	9.6	3.7	68.6	64.8
Thailand	726	1.5	2.0	15.3	0.6	0.3	39.6	25.8	0.2	14.7	19.6	0.0	12.5	2.2	18.7	20.5
United States	1655	19.3	9.4	34.2	12.3	2.1	13.0	3.8	1.4	4.5	77.3	0.0	3.3	1.2	75.9	79.0
INTERNATIONAL AVG	.	11.8	8.4	32.7	5.2	2.5	15.5	6.8	1.6	15.7	60.5	0.1	11.9	3.7	61.0	60.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Y03B
 Besides escaping, what are two ways animals protect themselves? 2nd answer (Life Science)
 Difficulty: 611

COUNTRY	N	10	11	12	13	19	76	79	90	99	V1	NOT		1.GIRL % Right	2.BOY % Right	
												INVAL ID	REACH ED			
Australia	1635	12.5	11.4	32.4	5.6	1.0	17.8	5.5	0.6	13.3	62.9	0.0	6.9	6.4	63.5	62.3
Austria	667	6.3	5.8	21.7	5.4	1.5	32.8	12.2	1.0	13.2	40.9	0.0	6.3	6.9	40.6	41.7
Canada	2123	11.6	10.8	26.6	4.6	2.7	17.0	11.0	1.2	14.5	56.3	0.0	5.6	8.8	58.6	54.2
Cyprus	820	3.2	3.5	9.8	0.2	6.0	12.3	22.2	1.6	41.1	22.8	0.0	26.1	15.0	18.3	27.6
Czech Republic	819	9.2	8.7	21.2	4.0	1.3	18.0	12.5	0.3	24.9	44.3	0.0	11.9	13.0	40.6	48.2
England	786	8.3	6.6	25.2	4.8	1.0	16.7	14.5	2.8	20.1	45.9	0.0	11.1	9.0	44.7	47.1
Greece	744	2.2	5.1	13.1	8.7	5.9	7.8	16.9	1.2	39.1	35.0	0.0	20.2	18.9	33.1	37.0
Hong Kong	1100	2.9	2.4	18.0	22.1	2.0	17.5	10.0	2.5	22.6	47.4	0.0	12.8	9.8	48.0	47.0
Hungary	748	7.1	12.0	12.5	3.9	1.4	4.9	3.4	0.6	54.3	36.8	0.0	44.6	9.7	37.7	36.5
Iceland	438	6.3	14.2	10.2	4.0	1.5	16.3	12.8	0.6	34.2	36.2	0.0	21.7	12.5	34.5	38.2
Iran, Islamic Rep.	846	3.7	6.2	9.5	4.4	0.7	10.7	8.8	1.9	53.9	24.6	0.0	33.3	20.6	24.9	24.3
Ireland	721	10.9	9.4	26.6	4.9	1.5	22.5	8.5	0.6	15.1	53.3	0.0	7.6	7.5	54.6	52.1
Israel	560	7.3	9.0	24.7	2.7	8.7	3.2	14.3	3.8	26.3	52.4	0.0	15.4	10.8	52.3	56.1
Japan	1081	2.9	8.0	14.0	5.1	0.5	1.8	0.5	0.5	66.8	30.5	0.0	4.2	62.6	26.3	34.6
Korea	702	4.1	2.8	32.5	6.1	3.7	9.3	30.6	6.3	4.6	49.2	0.0	0.3	4.4	47.2	51.2
Kuwait	755	1.8	1.2	10.6	0.3	1.6	10.0	2.9	0.0	71.7	15.5	1.2	46.6	23.9	20.7	10.6
Latvia (LSS)	557	4.7	9.8	11.4	4.4	4.7	5.0	16.9	0.3	42.8	35.0	0.0	21.0	21.8	34.4	35.7
Netherlands	629	9.3	9.9	30.6	7.2	4.3	20.8	10.8	0.1	7.0	61.2	0.0	2.3	4.7	59.6	63.8
New Zealand	603	12.3	7.9	23.4	4.8	2.6	19.3	6.2	0.9	22.6	51.0	0.0	12.6	10.0	56.9	45.3
Norway	567	8.0	12.5	22.2	4.9	2.9	22.5	4.2	3.5	19.3	50.4	0.0	12.5	6.8	48.5	51.2
Portugal	723	2.8	4.6	4.9	0.6	1.0	3.9	5.3	0.4	76.4	14.0	0.0	33.3	43.0	12.7	15.3
Scotland	819	12.4	4.8	22.9	5.0	1.6	19.9	15.7	0.6	17.1	46.7	0.0	9.1	8.0	45.5	47.8
Singapore	1782	8.7	5.3	30.2	7.1	0.7	30.3	6.5	2.3	8.7	52.1	0.0	2.1	6.5	51.1	53.0
Slovenia	629	12.9	2.9	15.0	3.5	6.8	12.3	10.1	2.1	34.4	41.1	0.0	13.3	21.1	42.5	39.9
Thailand	726	1.5	1.1	6.6	1.2	0.1	34.6	31.3	0.1	23.4	10.6	0.0	14.7	8.7	12.7	8.5
United States	1655	12.9	11.9	26.8	10.2	2.1	17.8	6.8	1.2	10.4	63.8	0.0	4.5	5.9	61.5	66.7
INTERNATIONAL AVG	.	7.2	7.2	19.3	5.2	2.6	15.6	11.5	1.4	29.9	41.5	0.0	15.4	14.5	41.2	42.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Z01A
 Shown diagram of river flowing through wide plain, write one reason this is a good place for farming (Earth Science)
 Difficulty: 537

COUNTRY	N	10	11	12	19	70	76	79	90	99	V1	NOT REACH		1.GIRL % Right	2.BOY % Right	
												INVAL ID	ED			
Australia	1632	17.3	46.5	10.6	2.1	3.3	3.3	8.3	0.8	7.9	76.5	0.0	0.5	7.4	76.7	76.2
Austria	665	12.3	17.5	8.1	13.3	0.6	12.4	11.6	2.1	22.1	51.2	0.0	1.0	21.0	47.9	53.3
Canada	2084	14.2	24.9	14.6	13.8	2.4	4.8	12.0	2.4	10.9	67.5	0.0	1.5	9.4	71.3	65.7
Cyprus	858	3.0	39.1	7.0	6.9	2.7	2.2	14.3	0.6	24.2	56.0	0.0	3.0	21.3	54.8	57.2
Czech Republic	808	14.8	30.0	2.3	6.6	2.2	7.1	17.5	3.2	16.3	53.7	0.0	3.5	12.8	53.6	53.8
England	775	11.3	47.6	8.2	6.6	1.3	3.1	8.8	3.3	9.9	73.6	0.0	1.3	8.7	73.3	73.9
Greece	760	10.2	43.1	5.9	2.6	0.5	1.3	8.7	2.3	25.5	61.8	0.0	2.0	23.5	62.1	61.5
Hong Kong	1102	4.4	56.0	2.5	1.7	0.0	2.1	12.1	2.9	18.4	64.6	0.0	0.2	18.1	67.9	62.4
Hungary	744	9.6	46.7	3.9	8.7	3.4	0.8	9.5	1.5	16.0	68.9	0.0	5.3	10.7	66.1	71.5
Iceland	454	8.6	17.8	5.5	5.8	2.0	11.7	20.4	3.0	25.2	37.8	0.0	6.3	18.9	38.0	37.6
Iran, Islamic Rep.	844	8.7	29.4	1.2	0.9	1.2	0.8	9.7	3.7	44.3	40.3	0.0	3.7	40.6	42.0	38.6
Ireland	720	15.6	40.1	11.7	2.6	1.6	6.1	9.9	3.4	9.1	69.9	0.0	0.6	8.5	70.0	69.8
Israel	549	7.2	42.2	4.6	4.6	2.8	9.9	11.5	4.0	13.3	58.5	0.0	1.8	11.5	60.5	59.0
Japan	1072	16.6	39.7	5.1	13.2	2.6	3.1	8.8	4.9	6.0	74.6	0.0	0.3	5.6	76.0	73.3
Korea	701	14.0	66.1	8.5	2.6	0.0	1.9	3.5	2.6	0.8	91.2	0.0	0.2	0.7	91.4	91.1
Kuwait	1067	8.4	13.1	0.6	0.7	2.1	6.3	13.9	0.0	55.0	22.8	5.5	7.8	41.7	25.5	20.1
Latvia (LSS)	550	23.5	21.4	3.3	4.1	1.9	0.1	12.1	0.1	33.6	52.2	0.0	4.4	29.2	56.1	48.2
Netherlands	638	19.9	30.6	8.7	2.9	6.3	1.7	19.4	1.2	9.3	62.1	0.0	0.0	9.3	58.2	66.2
New Zealand	595	10.0	38.3	17.4	3.5	1.6	5.5	10.6	2.2	10.8	69.2	0.0	2.7	8.2	70.6	68.0
Norway	573	9.9	40.4	5.2	0.6	1.3	1.4	18.7	2.9	19.5	56.1	0.0	4.2	15.3	51.7	60.4
Portugal	713	5.3	34.4	5.7	3.9	0.1	3.2	9.5	4.1	33.8	49.3	0.0	6.1	27.6	48.9	49.6
Scotland	813	12.4	42.6	12.8	4.0	1.0	4.8	10.7	1.9	9.9	71.8	0.0	1.9	7.9	69.0	74.0
Singapore	1773	20.0	48.3	4.8	4.9	0.9	3.0	13.7	1.2	3.2	78.0	0.0	0.1	3.1	78.2	77.8
Slovenia	642	13.2	30.2	9.5	5.8	5.9	7.0	16.7	1.5	10.2	58.6	0.0	1.3	8.9	62.4	55.3
Thailand	675	11.4	52.8	2.0	2.5	0.5	1.4	11.6	0.7	17.1	68.8	0.0	0.7	16.4	73.4	63.7
United States	1807	27.2	36.6	17.7	1.3	0.5	1.5	11.2	0.7	3.2	82.8	0.0	0.1	3.1	81.8	84.0
INTERNATIONAL AVG	.	12.7	37.5	7.2	4.8	1.9	4.1	12.1	2.2	17.5	62.2	0.2	2.3	15.0	62.6	62.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Z01B

Shown diagram of river flowing through wide plain, write one reason this is a bad place for farming (Earth Science)

Difficulty: 743

COUNTRY	N	NOT REACHED												1.GIRL % Right	2.BOY % Right			
		10	11	19	70	71	72	73	76	79	90	99	V1			OMIT		
Australia	1632	20.7	0.7	2.3	2.8	4.3	4.3	16.2	1.4	34.6	1.2	11.7	23.6	0.0	0.6	11.1	22.5	24.6
Austria	665	15.0	1.3	3.5	2.6	0.5	2.4	5.9	5.2	26.3	4.0	33.3	19.8	0.0	2.6	30.7	17.4	21.2
Canada	2084	16.0	1.3	8.1	1.1	2.7	4.2	12.1	4.0	30.2	3.9	16.4	25.3	0.0	2.0	14.4	25.0	26.2
Cyprus	858	6.8	0.1	1.6	2.5	5.4	3.6	6.0	2.3	36.4	0.5	34.7	8.5	0.0	4.6	30.1	6.8	10.2
Czech Republic	808	16.4	0.7	4.4	1.1	1.8	2.2	16.5	5.9	20.1	2.7	28.0	21.5	0.0	4.4	23.6	20.3	22.8
England	775	26.8	0.6	12.7	1.1	1.4	3.6	8.7	1.8	25.5	3.2	14.5	40.1	0.0	2.1	12.4	38.6	41.9
Greece	760	6.9	3.6	2.5	1.0	0.6	7.9	13.5	1.3	27.7	2.3	32.7	13.0	0.0	3.6	29.1	11.5	14.4
Hong Kong	1102	5.8	2.8	0.9	0.2	0.0	1.5	24.9	0.3	30.8	3.4	29.5	9.4	0.0	0.3	29.2	9.0	9.8
Hungary	744	18.0	3.6	13.2	2.3	0.3	1.6	0.2	10.7	28.6	1.3	20.0	34.9	0.0	7.2	12.9	32.2	37.3
Iceland	454	3.9	2.5	5.9	0.0	0.0	2.3	14.2	4.6	26.7	4.7	35.2	12.3	0.0	8.1	27.1	11.0	13.6
Iran, Islamic Rep.	844	0.5	0.4	8.8	2.6	0.3	1.5	6.9	5.0	19.4	2.9	51.8	9.6	0.0	6.4	45.5	9.3	9.9
Ireland	720	27.1	0.1	8.7	1.9	4.2	7.2	8.9	6.0	21.1	2.6	12.1	36.0	0.0	1.2	10.9	39.3	32.3
Israel	549	16.3	2.9	6.4	1.8	2.4	3.1	0.4	8.5	32.2	4.2	21.8	25.6	0.0	2.4	19.3	25.3	25.9
Japan	1072	5.2	0.6	6.3	1.8	0.1	6.3	28.3	3.0	33.4	4.9	10.0	12.1	0.0	0.7	9.2	12.4	11.9
Korea	701	15.3	11.8	4.6	0.3	0.6	9.4	20.4	3.2	28.8	5.1	0.4	31.8	0.0	0.4	0.0	33.7	29.7
Kuwait	1062	3.6	2.7	0.5	0.6	1.1	0.5	4.5	4.5	15.3	0.0	66.8	6.8	4.1	20.1	42.7	5.0	8.4
Latvia (LSS)	550	14.7	0.2	4.9	0.4	2.1	3.0	1.4	0.2	27.9	0.0	45.3	19.8	0.0	7.1	38.2	19.3	20.3
Netherlands	638	42.2	0.2	2.2	6.3	8.5	3.8	8.2	1.2	16.3	0.7	10.4	44.6	0.0	0.4	9.9	42.9	46.5
New Zealand	595	22.1	0.7	9.4	1.2	4.4	5.2	9.5	5.7	24.7	2.2	14.9	32.3	0.0	4.6	10.2	34.2	30.4
Norway	573	10.5	0.4	5.5	4.0	0.3	3.5	10.4	1.5	30.3	5.4	28.3	16.4	0.0	5.3	23.0	16.3	17.3
Portugal	713	4.5	0.4	5.8	0.3	1.0	1.1	8.2	2.4	26.4	3.2	46.7	10.7	0.0	9.9	36.7	10.8	10.6
Scotland	813	21.9	0.3	4.3	1.1	6.4	6.1	7.7	3.6	35.0	1.5	11.9	26.5	0.0	2.4	9.5	26.7	26.5
Singapore	1773	11.9	1.9	5.3	2.2	5.6	0.6	25.7	1.6	38.0	1.3	5.9	19.0	0.0	0.2	5.8	21.2	16.8
Slovenia	642	26.1	2.3	8.0	1.8	1.2	1.8	9.4	1.9	24.6	2.3	20.7	36.4	0.0	2.3	18.3	38.4	35.1
Thailand	675	10.5	0.5	14.4	0.0	0.3	1.4	11.1	7.6	35.5	1.4	17.1	25.4	0.0	1.6	15.5	23.5	27.6
United States	1807	21.5	1.7	4.5	1.0	2.0	4.3	19.3	1.0	37.9	1.4	5.4	27.6	0.0	0.5	4.9	26.8	28.5
INTERNATIONAL AVG	.	15.0	1.7	5.9	1.6	2.2	3.6	11.5	3.6	28.2	2.5	24.1	22.7	0.2	3.9	20.0	22.3	23.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent

Item: Z02
 Identify skin and skeletal features of various animals (Life Science)
 Difficulty: 514

COUNTRY	N	10	11	70	71	72	73	79	90	99	V1	NOT		OMIT	1.GIRL % Right	2.BOY % Right
												INVAL ID	REACH ED			
Australia	1632	78.4	0.2	1.3	8.5	4.8	3.4	0.4	0.6	2.4	78.6	0.0	0.7	1.7	79.2	77.9
Austria	665	70.5	0.1	1.2	8.6	9.5	5.7	0.1	0.1	4.2	70.6	0.0	2.8	1.4	70.8	70.1
Canada	2084	69.4	0.0	1.9	10.2	9.3	5.0	0.5	0.3	3.5	69.4	0.0	2.3	1.2	71.4	68.8
Cyprus	858	62.0	0.4	3.2	8.8	10.8	7.3	1.0	0.0	6.5	62.4	0.0	5.2	1.3	61.3	63.4
Czech Republic	808	70.7	0.2	2.1	1.0	12.0	6.8	0.7	0.5	6.1	70.8	0.0	5.4	0.7	72.6	69.0
England	775	72.3	0.0	1.5	8.0	4.9	5.4	0.1	3.1	4.7	72.3	0.0	3.1	1.6	73.8	70.6
Greece	760	62.2	0.4	2.8	10.9	6.2	8.6	1.4	0.8	6.7	62.7	0.0	3.6	3.1	61.3	64.0
Hong Kong	1100	94.0	0.0	0.3	2.5	1.6	0.8	0.1	0.0	0.7	94.0	0.0	0.3	0.4	94.3	94.2
Hungary	744	73.8	0.0	0.7	7.3	4.7	3.5	0.1	0.1	9.8	73.8	0.0	8.0	1.8	71.6	77.0
Iceland	455	39.8	0.0	4.3	27.3	8.7	6.5	0.2	0.3	12.9	39.8	0.0	10.0	2.9	36.5	42.9
Iran, Islamic Rep.	844	27.4	0.0	2.9	4.3	31.4	19.7	5.4	0.4	8.6	27.4	0.0	6.8	1.7	24.8	29.7
Ireland	722	59.7	0.0	2.2	17.7	9.5	7.6	0.4	1.0	1.8	59.7	0.0	1.4	0.4	59.8	59.5
Israel	549	44.6	0.0	3.2	16.6	14.7	12.6	1.7	1.0	5.6	44.6	0.0	2.6	3.1	37.7	49.9
Japan	1072	82.4	0.3	0.4	6.8	5.7	3.2	0.0	0.0	1.1	82.6	0.0	1.0	0.2	81.3	84.0
Korea	701	84.5	0.0	1.9	3.2	4.9	3.1	0.4	1.0	0.9	84.5	0.0	0.4	0.4	83.5	85.6
Kuwait	1067	38.5	0.0	2.0	6.0	9.9	10.0	5.8	0.0	27.9	38.5	1.4	20.8	5.6	43.9	33.4
Latvia (LSS)	550	49.0	0.2	2.2	5.8	15.2	10.3	6.7	0.8	9.8	49.2	0.0	7.7	2.1	48.7	49.8
Netherlands	638	56.5	0.1	3.6	8.7	18.6	10.4	0.6	0.0	1.4	56.6	0.0	0.7	0.7	54.5	58.5
New Zealand	595	66.6	0.0	1.2	10.7	4.8	5.3	1.3	2.3	7.9	66.6	0.0	5.2	2.7	68.6	64.7
Norway	573	57.2	0.0	0.2	23.0	6.0	4.8	0.6	0.6	7.6	57.2	0.0	5.8	1.8	56.6	58.9
Portugal	713	41.4	0.0	2.6	2.3	23.0	15.4	2.3	0.3	12.7	41.4	0.0	11.1	1.6	40.1	42.5
Scotland	813	70.5	0.0	0.9	10.9	5.0	5.8	0.9	1.1	4.9	70.5	0.0	2.8	2.1	69.2	71.6
Singapore	1773	76.3	0.0	1.4	10.6	5.2	4.5	1.3	0.4	0.3	76.3	0.0	0.2	0.2	78.1	74.5
Slovenia	642	66.7	0.2	1.5	8.1	11.9	6.6	1.5	0.0	3.5	66.9	0.0	2.8	0.7	66.5	68.0
Thailand	675	23.5	0.0	2.1	5.8	18.6	5.0	42.4	0.1	2.4	23.5	0.0	1.8	0.6	23.8	23.3
United States	1807	78.3	0.0	1.3	10.1	5.5	3.2	0.6	0.1	1.0	78.3	0.0	0.7	0.4	76.1	80.6
INTERNATIONAL AVG	.	62.2	0.1	1.9	9.4	10.1	7.0	2.9	0.6	6.0	62.2	0.1	4.3	1.6	61.8	62.8

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Item: Z03
 Shown diagram of blocks being compared on balances, which weighs the most? Why? (Physical Science)
 Difficulty: 640

COUNTRY	N	20	10	11	12	19	70	71	72	73	79	90	99	V1	V2	NOT			1.GIRL % Right	2.BOY % Right
																INVAL ID	REACH ED	OMIT		
Australia	1632	47.3	18.2	3.7	0.1	0.8	16.0	2.3	5.6	0.1	1.8	0.1	4.0	70.1	47.3	0.0	1.4	2.6	46.4	48.1
Austria	665	32.3	21.0	13.7	0.0	3.5	9.0	4.5	5.2	0.5	1.7	1.2	7.4	70.5	32.3	0.0	3.4	4.0	27.1	36.8
Canada	2084	36.9	31.0	5.7	0.1	0.2	12.0	1.7	4.1	0.1	2.2	0.4	5.5	73.9	36.9	0.0	2.6	2.9	34.6	38.9
Cyprus	858	26.3	22.9	5.1	0.2	0.5	11.2	4.8	7.1	1.1	3.8	0.5	16.5	55.0	26.3	0.0	5.6	10.8	22.0	30.4
Czech Republic	808	33.9	16.6	5.9	0.7	1.5	5.8	3.2	7.2	1.3	9.8	1.2	12.8	58.7	33.9	0.0	5.8	7.0	32.6	35.2
England	775	36.1	28.9	4.0	0.4	0.1	12.2	2.7	5.8	0.7	0.7	0.3	8.2	69.4	36.1	0.0	3.6	4.6	29.8	43.3
Greece	760	27.5	23.8	4.4	0.4	0.6	10.4	3.0	4.1	0.8	2.7	1.5	20.8	56.7	27.5	0.0	3.7	17.0	27.7	27.4
Hong Kong	1101	60.9	14.2	8.4	0.2	0.0	5.6	4.0	3.1	0.1	0.8	0.1	2.7	83.6	60.9	0.0	0.5	2.2	61.7	60.9
Hungary	744	30.8	17.9	5.3	0.0	0.0	9.1	3.9	8.5	0.8	5.1	0.3	18.5	53.9	30.8	0.0	9.0	9.4	28.5	33.5
Iceland	455	36.9	6.8	12.9	0.3	7.1	7.6	2.4	6.1	0.0	2.3	0.2	17.2	64.1	36.9	0.0	10.6	6.5	35.0	38.6
Iran, Islamic Rep.	844	4.5	5.3	8.0	0.1	1.0	10.0	6.2	11.3	1.9	8.6	12.6	30.8	18.8	4.5	0.0	7.4	23.3	3.6	5.3
Ireland	722	39.1	21.3	4.3	0.2	0.0	17.6	3.7	5.1	1.2	1.4	0.5	5.6	64.8	39.1	0.0	1.8	3.9	31.1	47.9
Israel	549	27.9	19.0	13.4	0.0	1.6	8.9	4.6	12.4	1.2	4.9	0.8	5.4	61.8	27.9	0.0	3.1	2.4	24.2	32.3
Japan	1072	69.6	11.7	1.4	0.0	3.8	0.6	0.3	1.0	0.1	9.8	0.1	1.7	86.5	69.6	0.0	1.1	0.6	66.8	72.2
Korea	701	73.6	11.1	0.6	0.5	0.6	6.5	1.5	1.4	0.1	1.4	2.0	0.7	86.4	73.6	0.0	0.7	0.0	74.0	73.2
Kuwait	1067	11.0	5.6	11.2	1.2	0.5	8.9	3.3	5.1	0.6	9.6	0.0	43.0	29.5	11.0	2.7	22.5	17.8	10.8	11.2
Latvia (LSS)	550	25.4	11.7	19.8	0.1	2.6	8.3	1.4	10.8	0.6	5.0	0.6	13.6	59.6	25.4	0.0	7.9	5.7	26.1	24.6
Netherlands	638	46.7	30.1	3.2	0.1	0.2	9.3	2.2	5.2	0.4	0.6	0.2	1.8	80.3	46.7	0.0	1.1	0.7	40.9	53.0
New Zealand	595	35.3	22.3	5.5	0.1	0.0	14.3	2.3	8.9	0.2	2.4	0.1	8.7	63.2	35.3	0.0	5.5	3.2	34.0	36.5
Norway	573	36.5	20.0	6.1	0.2	0.0	12.0	2.1	6.4	0.3	0.4	2.0	14.0	62.7	36.5	0.0	6.8	7.2	30.3	43.5
Portugal	713	20.4	20.5	6.6	0.3	1.3	14.4	3.4	7.2	0.6	3.6	0.6	21.0	49.1	20.4	0.0	11.9	9.1	15.0	25.4
Scotland	813	43.9	25.1	2.9	0.1	0.3	12.9	2.5	3.7	0.0	2.3	0.2	6.1	72.3	43.9	0.0	3.5	2.6	36.1	50.5
Singapore	1773	57.1	19.7	4.0	0.2	0.4	9.8	2.9	2.7	0.0	1.2	0.5	1.4	81.5	57.1	0.0	0.2	1.3	55.5	58.5
Slovenia	639	36.5	18.1	6.1	0.0	1.0	12.1	2.8	8.8	2.1	3.2	0.4	8.9	61.7	36.5	0.0	3.3	5.7	29.6	43.8
Thailand	675	16.2	24.8	9.3	0.2	0.1	8.0	1.6	24.8	1.2	6.6	0.4	6.8	50.5	16.2	0.0	1.8	5.0	15.7	16.7
United States	1807	42.1	25.0	2.1	0.1	2.3	15.0	3.2	5.0	0.1	2.0	0.4	2.7	71.6	42.1	0.0	0.7	2.1	37.1	47.5
INTERNATIONAL AVG	.	36.7	19.0	6.7	0.2	1.2	10.3	2.9	6.8	0.6	3.6	1.0	11.0	63.7	36.7	0.1	4.8	6.1	33.7	39.8

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