

Item: A01 KEY: B
 In which figure are one-half of the dots black? (Fractions and Proportionality)
 Difficulty: 411

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6496	5.9	83.4	7.4	2.5	0.8	83.4	0.0	0.0	0.8	82.9	83.9
Austria	2644	0.7	95.7	2.0	0.8	0.8	95.7	0.1	0.0	0.7	95.6	95.7
Canada	8398	7.0	82.0	7.8	2.3	1.0	82.0	0.0	0.1	0.9	81.6	82.2
Cyprus	3373	9.8	55.0	29.8	1.8	3.5	55.0	0.2	0.0	3.3	49.6	60.5
Czech Republic	3265	0.5	93.4	3.9	1.4	0.8	93.4	0.3	0.0	0.4	93.2	93.7
England	3089	5.7	81.3	8.3	3.5	1.2	81.3	0.0	0.0	1.2	78.7	83.9
Greece	3050	1.6	90.1	3.2	1.1	4.1	90.1	0.8	0.1	3.3	90.8	89.3
Hong Kong	4404	0.9	91.5	2.3	1.6	3.7	91.5	0.0	0.0	3.7	91.9	91.2
Hungary	3006	0.9	93.9	2.2	1.4	1.6	93.9	0.0	0.2	1.4	93.8	94.0
Iceland	1799	0.5	93.7	2.5	1.7	1.5	93.7	0.0	0.3	1.2	93.1	94.3
Iran, Islamic Rep.	3385	12.5	68.8	6.8	3.9	8.0	68.8	1.0	0.0	7.0	63.9	73.5
Ireland	2873	3.5	89.4	4.7	1.3	1.2	89.4	0.3	0.1	0.8	89.0	89.8
Israel	2351	2.4	87.5	5.9	2.3	1.9	87.5	0.1	0.4	1.4	86.9	89.0
Japan	4304	1.6	90.0	4.3	3.4	0.7	90.0	0.3	0.0	0.4	89.2	90.7
Korea	2812	13.2	44.5	41.4	0.8	0.1	44.5	0.0	0.0	0.1	39.7	49.1
Kuwait	4302	5.9	73.8	9.9	4.9	5.5	73.8	0.0	0.1	5.4	74.4	73.1
Latvia (LSS)	2216	2.5	84.3	8.5	2.1	2.6	84.3	0.0	0.0	2.5	86.7	82.0
Netherlands	2523	0.3	96.8	1.2	1.2	0.4	96.8	0.4	0.0	0.0	96.6	97.3
New Zealand	2421	6.8	80.5	7.9	3.1	1.7	80.5	0.0	0.0	1.7	80.7	80.3
Norway	2254	1.3	92.7	2.6	1.5	1.9	92.7	0.0	0.0	1.9	92.8	92.5
Portugal	2846	3.0	80.6	8.4	3.4	4.6	80.6	0.0	0.3	4.3	79.1	82.0
Scotland	3292	7.2	78.3	9.3	3.8	1.4	78.3	0.2	0.0	1.2	76.7	79.7
Singapore	7138	2.0	87.4	6.1	3.7	0.8	87.4	0.0	0.0	0.8	87.3	87.6
Slovenia	2566	0.4	94.4	2.5	2.1	0.6	94.4	0.2	0.0	0.4	95.4	93.3
Thailand	2991	12.6	73.6	6.7	4.8	2.2	73.6	0.0	0.0	2.2	72.6	74.7
United States	7278	10.5	76.0	9.6	2.0	1.9	76.0	0.0	0.0	1.9	74.3	77.7
INTERNATIONAL AVG	.	4.6	83.0	7.9	2.4	2.1	83.0	0.2	0.1	1.9	82.2	83.9

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

Item: A02 KEY: D
 Determine total number from ratio and one number. (Fractions and Proportionality)
 Difficulty: 557

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6496	1.9	30.5	2.9	64.3	0.4	64.3	0.0	0.0	0.4	64.2	64.3
Austria	2644	0.7	34.9	1.4	62.4	0.6	62.4	0.3	0.0	0.3	60.6	64.1
Canada	8398	3.0	35.2	4.8	56.3	0.6	56.3	0.1	0.1	0.4	59.1	54.0
Cyprus	3373	2.4	36.2	2.8	57.4	1.1	57.4	0.1	0.0	1.0	58.4	56.5
Czech Republic	3265	0.3	21.3	1.2	76.6	0.6	76.6	0.4	0.0	0.2	74.1	79.3
England	3089	2.8	32.0	4.2	60.5	0.5	60.5	0.0	0.0	0.5	60.8	60.2
Greece	3050	2.7	30.9	5.3	58.9	2.3	58.9	0.4	0.1	1.8	60.6	57.0
Hong Kong	4404	2.6	52.1	1.4	43.4	0.5	43.4	0.1	0.0	0.4	45.3	41.8
Hungary	3006	1.0	32.6	1.2	64.1	1.1	64.1	0.0	0.3	0.8	63.0	65.4
Iceland	1799	6.5	43.8	6.3	41.7	1.6	41.7	0.0	0.3	1.3	41.8	41.6
Iran, Islamic Rep.	3385	5.1	64.0	3.9	23.9	3.1	23.9	0.7	0.0	2.4	21.9	25.8
Ireland	2873	2.6	30.9	2.6	63.2	0.7	63.2	0.1	0.1	0.4	66.9	59.4
Israel	2351	1.5	34.7	3.9	58.9	1.0	58.9	0.0	0.4	0.5	59.0	59.9
Japan	4304	2.9	31.0	4.0	62.0	0.1	62.0	0.0	0.0	0.1	61.1	62.9
Korea	2812	2.8	49.1	1.9	45.9	0.2	45.9	0.0	0.0	0.2	45.5	46.4
Kuwait	4308	34.0	36.0	9.2	16.8	3.9	16.8	0.0	0.3	3.6	17.5	16.2
Latvia (LSS)	2216	3.4	43.2	5.3	46.8	1.4	46.8	0.0	0.0	1.3	47.1	46.5
Netherlands	2523	0.1	16.6	0.6	82.5	0.2	82.5	0.2	0.0	0.0	82.2	82.8
New Zealand	2421	3.5	32.4	4.9	57.7	1.6	57.7	0.0	0.2	1.4	58.7	56.6
Norway	2254	2.3	46.0	2.3	48.6	0.9	48.6	0.0	0.1	0.8	49.4	48.1
Portugal	2846	4.8	57.1	4.9	30.3	2.9	30.3	0.0	0.3	2.5	32.8	27.9
Scotland	3292	2.8	38.4	3.6	54.6	0.6	54.6	0.1	0.0	0.4	55.8	53.3
Singapore	7138	3.4	19.5	2.3	74.5	0.4	74.5	0.0	0.0	0.4	75.2	73.9
Slovenia	2566	1.6	32.9	3.7	61.3	0.5	61.3	0.1	0.0	0.4	60.9	61.4
Thailand	2991	6.3	49.8	6.9	36.2	0.8	36.2	0.0	0.0	0.8	36.3	36.1
United States	7278	3.0	36.8	5.7	53.0	1.4	53.0	0.0	0.0	1.4	54.6	51.4
INTERNATIONAL AVG	.	4.0	37.2	3.7	53.9	1.1	53.9	0.1	0.1	0.9	54.3	53.6

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

Item: A03 KEY: C
 Find number of pencils given pencils/box and number of boxes. (Whole Numbers)
 Difficulty: 524

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6496	16.3	7.1	55.8	5.1	14.0	1.7	55.8	0.0	0.0	1.7	58.4	53.3
Austria	2644	6.5	0.9	85.9	1.1	4.8	0.8	85.9	0.0	0.0	0.7	85.4	86.2
Canada	8398	14.1	5.6	63.7	4.1	11.1	1.4	63.7	0.1	0.1	1.2	66.6	61.7
Cyprus	3373	11.9	3.3	70.4	2.2	9.7	2.5	70.4	0.0	0.2	2.3	73.1	67.9
Czech Republic	3265	8.1	1.6	81.8	1.5	5.5	1.6	81.8	0.3	0.1	1.2	84.2	79.1
England	3089	20.2	9.2	46.7	6.2	15.7	2.0	46.7	0.0	0.1	1.9	48.1	45.3
Greece	3050	8.5	3.3	73.0	2.2	9.3	3.8	73.0	0.2	0.1	3.5	72.8	73.1
Hong Kong	4404	11.6	1.4	80.3	1.0	5.1	0.7	80.3	0.0	0.0	0.6	82.4	78.7
Hungary	3006	9.1	2.2	79.0	2.5	5.8	1.3	79.0	0.0	0.3	1.1	80.4	77.9
Iceland	1799	25.4	12.4	36.1	6.5	16.2	3.6	36.1	0.0	0.5	3.1	36.9	35.2
Iran, Islamic Rep.	3385	11.0	4.6	63.4	4.5	11.4	5.1	63.4	0.6	0.0	4.5	63.1	63.7
Ireland	2873	9.0	3.4	77.5	2.0	6.8	1.2	77.5	0.2	0.1	0.9	79.5	75.5
Israel	2351	11.5	3.6	71.4	2.3	8.3	2.9	71.4	0.0	0.4	2.4	73.8	69.8
Japan	4304	13.7	1.9	75.1	2.3	6.7	0.2	75.1	0.0	0.0	0.2	77.4	72.8
Korea	2812	13.4	1.3	80.2	1.2	3.7	0.2	80.2	0.0	0.0	0.2	80.4	80.0
Kuwait	4291	19.9	10.1	38.4	6.2	19.2	6.3	38.4	0.0	0.3	6.0	39.0	37.8
Latvia (LSS)	2216	11.4	4.0	68.5	2.6	11.5	2.0	68.5	0.0	0.1	1.9	70.0	67.0
Netherlands	2523	11.6	4.6	70.4	3.6	9.6	0.1	70.4	0.1	0.0	0.0	71.0	70.3
New Zealand	2421	20.6	7.6	44.9	7.1	17.9	2.0	44.9	0.0	0.2	1.8	48.8	40.9
Norway	2254	19.4	8.1	41.4	7.1	19.4	4.6	41.4	0.1	0.2	4.4	39.5	42.6
Portugal	2845	12.8	3.5	71.3	2.4	6.2	3.7	71.3	0.0	0.4	3.4	71.3	71.3
Scotland	3292	16.8	5.9	60.3	4.3	11.2	1.5	60.3	0.1	0.0	1.4	63.4	57.3
Singapore	7137	5.3	1.9	88.0	1.1	3.4	0.3	88.0	0.0	0.0	0.3	89.9	86.2
Slovenia	2566	8.5	2.6	80.3	1.7	6.1	0.8	80.3	0.0	0.0	0.8	82.0	78.4
Thailand	2991	10.7	3.9	73.7	3.2	7.6	1.0	73.7	0.0	0.0	0.9	77.8	69.6
United States	7278	9.6	4.6	72.4	2.4	9.2	1.8	72.4	0.0	0.0	1.8	74.9	69.8
INTERNATIONAL AVG	.	12.9	4.6	67.3	3.3	9.8	2.0	67.3	0.1	0.1	1.8	68.9	65.8

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

Item: A04 KEY: B
 Find number of small squares given groupings of hundreds, tens, and ones. (Whole Numbers)
 Difficulty: 420

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6496	1.5	87.5	4.1	5.9	1.1	87.5	0.0	0.0	1.1	86.2	88.8
Austria	2644	2.3	83.3	4.7	5.3	4.4	83.3	0.1	0.0	4.3	81.3	85.0
Canada	8398	1.9	89.1	3.1	5.2	0.7	89.1	0.0	0.2	0.5	86.5	91.5
Cyprus	3372	1.8	78.4	6.7	8.6	4.4	78.4	0.1	0.2	4.1	76.6	80.4
Czech Republic	3267	1.2	86.7	4.5	5.0	2.7	86.7	0.4	0.1	2.2	85.6	87.8
England	3089	3.7	81.9	5.6	6.4	2.5	81.9	0.0	0.1	2.4	81.3	82.5
Greece	3050	3.4	71.6	6.5	9.6	9.0	71.6	0.2	0.1	8.7	70.2	73.0
Hong Kong	4409	2.1	90.5	3.5	3.4	0.7	90.5	0.1	0.0	0.6	89.0	91.7
Hungary	3006	5.4	70.1	7.1	7.0	10.4	70.1	0.0	0.3	10.1	68.5	71.6
Iceland	1799	5.6	79.0	7.9	3.7	3.8	79.0	0.1	0.6	3.2	78.4	79.7
Iran, Islamic Rep.	3385	6.0	70.6	5.9	12.4	5.1	70.6	0.5	0.1	4.6	63.6	77.1
Ireland	2873	2.8	81.7	5.6	8.0	1.9	81.7	0.2	0.1	1.6	82.0	81.3
Israel	2349	3.6	83.0	6.3	3.8	3.3	83.0	0.2	0.5	2.6	82.9	83.6
Japan	4304	1.5	89.7	4.4	4.0	0.3	89.7	0.0	0.0	0.3	88.8	90.6
Korea	2812	1.5	92.4	3.9	2.0	0.2	92.4	0.0	0.0	0.2	91.9	92.9
Kuwait	4294	12.1	52.5	12.3	15.4	7.6	52.5	0.0	0.4	7.2	47.8	57.0
Latvia (LSS)	2216	2.4	80.4	5.3	6.8	5.1	80.4	0.0	0.1	5.0	79.9	80.8
Netherlands	2523	1.7	86.7	6.4	4.3	0.8	86.7	0.8	0.0	0.0	86.8	86.8
New Zealand	2421	4.2	76.7	6.9	10.2	2.0	76.7	0.0	0.4	1.6	73.5	79.9
Norway	2254	0.4	84.6	6.4	5.2	3.4	84.6	0.1	0.3	3.0	85.4	83.7
Portugal	2845	4.9	69.9	7.3	7.9	10.0	69.9	0.0	0.5	9.5	68.4	71.3
Scotland	3292	3.0	85.1	5.4	4.9	1.6	85.1	0.1	0.1	1.4	84.4	85.9
Singapore	7138	1.6	89.4	4.8	4.1	0.2	89.4	0.0	0.0	0.2	89.7	89.1
Slovenia	2565	3.2	82.2	5.5	6.3	2.9	82.2	0.1	0.1	2.7	81.8	82.5
Thailand	2991	4.1	86.1	4.6	4.6	0.7	86.1	0.0	0.0	0.6	87.3	85.1
United States	7278	1.6	88.6	2.8	5.4	1.7	88.6	0.0	0.0	1.6	87.1	90.1
INTERNATIONAL AVG	.	3.2	81.4	5.7	6.4	3.3	81.4	0.1	0.2	3.0	80.2	82.7

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

Item: A05 KEY: C
 Which of these figures has the largest area? (Measurement, Estimation, & Number Sense)
 Difficulty: 415

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	6496	1.1	8.3	87.2	2.4	0.9	87.2	0.0	0.0	0.9	86.1	88.4
Austria	2644	0.3	4.2	94.3	0.4	0.8	94.3	0.2	0.0	0.5	93.9	94.6
Canada	8398	1.3	14.3	80.4	3.3	0.7	80.4	0.0	0.2	0.5	78.3	83.2
Cyprus	3372	1.4	12.3	80.8	3.4	2.1	80.8	0.3	0.2	1.5	79.7	81.9
Czech Republic	3267	0.5	2.7	95.3	1.0	0.5	95.3	0.1	0.1	0.3	95.1	95.5
England	3089	1.5	11.1	83.5	2.7	1.2	83.5	0.0	0.3	0.9	83.0	83.9
Greece	3050	1.6	21.9	69.2	3.2	4.1	69.2	0.2	0.1	3.8	69.3	69.2
Hong Kong	4409	0.5	6.3	90.4	2.3	0.5	90.4	0.2	0.0	0.3	88.8	91.9
Hungary	3006	0.4	12.7	82.6	2.3	2.0	82.6	0.0	0.5	1.6	81.1	84.2
Iceland	1799	2.6	49.2	44.3	1.1	2.8	44.3	0.0	1.0	1.8	46.0	42.5
Iran, Islamic Rep.	3385	2.6	12.6	76.1	4.7	4.0	76.1	0.8	0.1	3.1	77.3	74.9
Ireland	2873	1.7	14.5	79.4	3.4	1.1	79.4	0.2	0.2	0.6	77.8	81.2
Israel	2349	0.9	15.7	80.7	1.2	1.5	80.7	0.0	0.5	0.9	79.2	82.3
Japan	4304	0.5	3.9	94.6	0.8	0.2	94.6	0.1	0.0	0.1	94.9	94.3
Korea	2812	2.0	9.5	87.3	1.0	0.2	87.3	0.0	0.0	0.1	86.8	87.8
Kuwait	4307	4.8	26.6	63.1	2.2	3.3	63.1	0.0	0.7	2.5	61.5	64.7
Latvia (LSS)	2216	0.6	4.9	92.0	1.8	0.7	92.0	0.0	0.1	0.5	92.4	91.6
Netherlands	2523	0.9	11.6	83.8	3.4	0.4	83.8	0.3	0.0	0.1	81.7	85.8
New Zealand	2421	1.5	15.1	77.0	4.7	1.6	77.0	0.0	0.5	1.1	77.9	76.2
Norway	2254	2.0	16.3	74.4	3.8	3.6	74.4	0.1	0.4	3.1	72.9	75.4
Portugal	2845	1.3	10.7	83.2	1.6	3.2	83.2	0.0	0.9	2.3	83.0	83.4
Scotland	3292	1.1	8.1	88.6	1.4	0.8	88.6	0.2	0.2	0.5	88.4	88.9
Singapore	7137	1.5	7.0	86.7	4.5	0.3	86.7	0.0	0.0	0.3	87.8	85.6
Slovenia	2566	1.3	10.6	86.1	1.2	0.9	86.1	0.2	0.1	0.6	85.7	86.4
Thailand	2991	1.6	4.5	92.7	0.5	0.7	92.7	0.0	0.0	0.7	92.9	92.5
United States	7278	1.5	13.5	80.8	2.5	1.6	80.8	0.0	0.0	1.5	79.5	82.1
INTERNATIONAL AVG	.	1.4	12.6	82.1	2.3	1.5	82.1	0.1	0.2	1.2	81.6	82.6

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

Item: B05 KEY: B
 Multi-step graph problem: determine Sarah's relative height, then her height from graph. (Data Rep., Analysis and Probability)
 Difficulty: 515

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3234	8.9	72.7	10.0	5.8	2.6	72.7	0.0	0.3	2.3	76.1	69.5
Austria	1317	11.4	75.7	7.2	3.4	2.3	75.7	0.2	0.1	2.0	75.6	76.1
Canada	4137	9.0	73.3	10.8	5.5	1.3	73.3	0.3	0.1	0.9	77.3	69.3
Cyprus	1739	21.4	48.5	15.6	11.3	3.3	48.5	0.3	0.2	2.8	52.0	45.2
Czech Republic	1629	12.3	67.2	11.0	4.9	4.6	67.2	2.9	0.4	1.3	69.6	64.6
England	1538	10.0	68.6	11.4	8.1	2.0	68.6	0.0	0.5	1.4	71.2	65.9
Greece	1519	21.1	47.6	13.7	11.7	6.0	47.6	0.5	0.4	5.1	50.2	44.8
Hong Kong	2197	9.3	77.8	7.7	4.6	0.6	77.8	0.0	0.0	0.6	82.4	74.3
Hungary	1498	7.7	72.6	8.8	6.8	4.1	72.6	0.0	1.1	3.1	76.7	68.4
Iceland	909	10.6	70.4	11.6	4.1	3.4	70.4	0.1	1.4	1.9	75.2	65.4
Iran, Islamic Rep.	1688	26.2	33.4	15.6	17.4	7.4	33.4	1.0	0.6	5.9	31.6	35.0
Ireland	1422	12.1	72.8	8.7	4.4	1.9	72.8	1.0	0.2	0.8	78.1	67.6
Israel	1132	8.8	69.6	11.8	5.8	4.0	69.6	0.2	0.7	3.0	71.7	67.4
Japan	2146	4.8	73.8	17.4	3.6	0.5	73.8	0.1	0.2	0.2	76.1	71.4
Korea	1396	4.2	69.5	23.7	2.5	0.1	69.5	0.0	0.1	0.1	70.7	68.3
Kuwait	2141	24.4	37.5	13.3	18.1	6.7	37.5	0.0	1.3	5.4	37.5	37.5
Latvia (LSS)	1102	7.6	69.5	10.6	6.8	5.6	69.5	0.0	0.6	5.0	72.2	66.8
Netherlands	1266	6.0	75.8	11.8	2.7	3.7	75.8	3.7	0.0	0.0	79.1	72.6
New Zealand	1217	10.8	65.5	12.0	9.2	2.6	65.5	0.0	0.3	2.3	73.9	57.1
Norway	1135	13.6	65.8	11.9	5.2	3.5	65.8	0.3	0.8	2.4	69.0	62.7
Portugal	1411	26.5	44.2	9.9	12.8	6.6	44.2	0.0	1.9	4.7	44.1	44.3
Scotland	1652	10.7	68.8	11.0	8.1	1.5	68.8	0.2	0.2	1.1	72.8	64.9
Singapore	3543	6.9	78.3	10.8	3.8	0.2	78.3	0.0	0.0	0.2	80.4	76.4
Slovenia	1286	11.1	75.0	9.1	2.8	2.0	75.0	0.5	0.1	1.4	77.3	72.7
Thailand	1454	21.6	43.2	20.0	14.5	0.6	43.2	0.0	0.0	0.6	46.8	39.4
United States	3667	8.2	75.6	10.2	4.8	1.1	75.6	0.0	0.0	1.1	79.9	71.3
INTERNATIONAL AVG	.	12.5	65.1	12.1	7.3	3.0	65.1	0.4	0.4	2.1	68.0	62.3

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

Item: B06 KEY: D
 Which of these solids has both a flat surface and a curved surface? (Geometry)
 Difficulty: 569

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3234	3.8	4.0	11.0	77.2	4.0	77.2	0.0	0.5	3.5	78.6	75.9
Austria	1317	4.6	8.1	61.0	21.7	4.6	21.7	1.3	0.1	3.2	22.3	21.3
Canada	4137	3.1	7.2	18.4	68.4	2.9	68.4	2.1	0.3	0.5	68.5	68.0
Cyprus	1739	18.2	14.4	29.8	29.8	7.8	29.8	2.6	0.3	4.9	33.1	26.9
Czech Republic	1629	3.9	5.0	48.4	34.9	7.7	34.9	5.1	0.5	2.1	34.7	35.1
England	1538	5.7	3.6	13.0	70.7	7.0	70.7	0.0	0.6	6.3	71.6	69.8
Greece	1519	5.5	16.2	26.1	45.3	6.9	45.3	1.7	0.4	4.8	46.3	44.3
Hong Kong	2196	2.0	11.9	29.7	53.0	3.4	53.0	2.0	0.1	1.3	52.5	53.5
Hungary	1498	2.2	8.5	23.9	54.1	11.3	54.1	0.0	1.1	10.2	51.3	57.4
Iceland	909	8.1	10.3	31.5	44.5	5.6	44.5	1.1	1.9	2.6	42.6	46.5
Iran, Islamic Rep.	1688	14.6	12.0	24.3	30.6	18.5	30.6	3.1	0.7	14.7	32.8	28.5
Ireland	1422	4.9	3.7	28.9	55.3	7.2	55.3	6.2	0.2	0.8	55.8	54.8
Israel	1131	5.6	11.5	39.7	33.2	10.0	33.2	5.1	0.9	4.0	33.1	34.1
Japan	2146	3.7	10.6	34.2	46.3	5.3	46.3	4.9	0.2	0.2	44.6	48.0
Korea	1396	5.3	7.4	25.6	61.4	0.4	61.4	0.0	0.1	0.3	65.1	57.7
Kuwait	2142	9.8	16.1	32.8	31.0	10.2	31.0	0.0	1.6	8.7	32.6	29.6
Latvia (LSS)	1100	10.3	9.4	28.9	43.7	7.7	43.7	0.0	0.7	7.0	39.9	47.2
Netherlands	1266	4.1	9.7	27.8	57.0	1.4	57.0	1.3	0.0	0.0	52.4	62.4
New Zealand	1217	6.4	4.6	16.5	68.5	4.0	68.5	0.0	0.5	3.6	74.2	62.8
Norway	1135	11.4	6.6	42.8	34.2	5.1	34.2	1.8	1.1	2.3	31.1	37.2
Portugal	1411	1.9	6.9	8.6	72.0	10.6	72.0	0.0	2.1	8.5	69.6	74.1
Scotland	1652	4.0	3.3	13.5	71.4	7.8	71.4	6.5	0.3	1.0	71.6	71.1
Singapore	3543	2.9	11.3	27.9	55.5	2.4	55.5	0.0	0.0	2.4	57.0	54.2
Slovenia	1285	5.1	7.7	32.5	50.5	4.1	50.5	1.9	0.1	2.1	51.4	50.1
Thailand	1454	8.1	23.0	14.7	52.7	1.5	52.7	0.0	0.1	1.5	52.8	52.5
United States	3667	2.9	2.8	23.0	69.5	1.8	69.5	0.6	0.0	1.2	69.5	69.5
INTERNATIONAL AVG	.	6.1	9.1	27.5	51.2	6.1	51.2	1.8	0.5	3.8	51.3	51.2

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

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Math Item Categories - FOURTH GRADE

May 14, 1998 8

Item: B07 KEY: C
 Word problem: best estimate of 84 x 57. (Measurement, Estimation, & Number Sense)
 Difficulty: 607

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3234	7.4	10.6	48.0	31.2	2.9	48.0	0.0	0.5	2.4	47.4	48.6
Austria	1317	4.5	15.0	56.1	17.4	7.0	56.1	0.2	0.1	6.7	54.9	57.5
Canada	4137	6.3	10.5	52.7	28.4	2.1	52.7	0.2	0.3	1.6	52.0	52.6
Cyprus	1739	8.6	16.4	37.9	27.0	10.0	37.9	0.0	0.5	9.5	33.6	41.9
Czech Republic	1630	3.6	10.4	59.2	22.0	4.8	59.2	0.4	0.7	3.6	59.5	58.9
England	1538	12.6	13.4	36.0	32.9	5.1	36.0	0.0	0.7	4.4	35.4	36.6
Greece	1519	9.5	11.5	30.0	38.8	10.1	30.0	0.1	0.4	9.6	30.0	30.0
Hong Kong	2195	3.6	8.9	72.5	13.3	1.7	72.5	0.0	0.1	1.6	73.1	72.1
Hungary	1498	6.3	10.7	58.9	19.2	4.9	58.9	0.0	1.4	3.5	60.3	58.2
Iceland	909	14.0	21.9	30.2	26.4	7.5	30.2	0.2	2.2	5.2	28.3	32.1
Iran, Islamic Rep.	1688	12.3	16.0	26.3	28.1	17.3	26.3	0.5	1.0	15.8	23.0	29.3
Ireland	1422	6.7	10.0	54.5	26.7	2.1	54.5	0.1	0.3	1.7	54.9	54.1
Israel	1152	5.5	13.1	58.0	19.5	3.9	58.0	0.1	0.8	3.0	56.6	59.3
Japan	2146	3.4	9.5	64.6	21.8	0.6	64.6	0.0	0.2	0.4	61.8	67.5
Korea	1396	2.9	5.9	68.0	22.9	0.4	68.0	0.0	0.1	0.4	65.8	70.2
Kuwait	2140	14.6	17.7	34.4	21.4	11.8	34.4	0.0	1.9	9.9	33.7	35.1
Latvia (LSS)	1102	8.2	20.9	35.8	24.9	10.2	35.8	0.0	0.7	9.6	34.8	36.7
Netherlands	1266	5.0	16.3	58.0	19.4	1.3	58.0	1.3	0.0	0.0	56.7	60.2
New Zealand	1217	11.7	13.5	36.6	35.2	3.0	36.6	0.0	0.5	2.6	36.9	36.3
Norway	1135	10.8	19.6	34.6	27.5	7.5	34.6	0.1	1.4	6.0	33.6	35.0
Portugal	1411	7.0	18.0	34.4	26.7	13.9	34.4	0.0	2.3	11.6	34.1	34.6
Scotland	1652	10.7	14.3	41.5	29.3	4.2	41.5	0.1	0.4	3.7	42.1	41.0
Singapore	3543	4.8	9.0	76.2	9.3	0.7	76.2	0.0	0.0	0.7	77.6	75.0
Slovenia	1286	3.6	12.3	52.4	27.9	3.8	52.4	0.1	0.1	3.6	51.7	53.0
Thailand	1454	13.8	12.9	32.7	39.2	1.4	32.7	0.1	0.1	1.2	28.2	37.4
United States	3667	5.1	7.7	63.5	22.0	1.6	63.5	0.0	0.0	1.6	62.7	64.3
INTERNATIONAL AVG	.	7.8	13.3	48.2	25.3	5.4	48.2	0.1	0.6	4.6	47.3	49.1

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

Item: B08 KEY: B
 Which addition expression has the same value as 342? (Whole Numbers)
 Difficulty: 396

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3234	6.0	84.3	2.8	5.4	1.5	84.3	0.0	0.6	0.9	82.6	86.0
Austria	1317	1.4	88.7	2.0	6.9	1.0	88.7	0.2	0.1	0.7	89.0	88.9
Canada	4137	6.0	82.9	2.5	6.3	2.3	82.9	0.7	0.5	1.0	79.8	85.5
Cyprus	1739	4.5	85.5	3.6	4.6	1.8	85.5	0.0	0.6	1.3	84.1	87.2
Czech Republic	1630	2.0	94.1	1.1	1.1	1.7	94.1	0.2	1.0	0.5	93.6	94.7
England	1538	5.2	79.3	3.7	9.0	2.7	79.3	0.0	0.7	2.0	75.4	83.4
Greece	1519	4.0	79.8	2.9	10.6	2.8	79.8	0.2	0.5	2.1	80.6	78.9
Hong Kong	2196	2.0	95.4	1.4	0.8	0.5	95.4	0.1	0.1	0.3	96.5	94.6
Hungary	1498	1.5	92.4	0.8	3.1	2.1	92.4	0.0	1.5	0.7	91.7	93.1
Iceland	909	5.4	83.6	3.4	3.4	4.2	83.6	0.0	2.3	1.9	81.3	86.1
Iran, Islamic Rep.	1688	8.3	55.5	6.8	24.2	5.2	55.5	0.3	1.2	3.8	52.9	57.9
Ireland	1422	4.9	85.9	2.3	5.6	1.3	85.9	0.4	0.3	0.6	84.4	87.4
Israel	1152	2.5	92.3	2.0	1.0	2.2	92.3	0.2	0.9	1.1	91.4	93.7
Japan	2146	1.1	95.1	2.2	1.1	0.5	95.1	0.1	0.2	0.2	95.1	95.1
Korea	1396	1.4	97.1	1.0	0.3	0.2	97.1	0.0	0.1	0.2	96.5	97.8
Kuwait	2144	12.5	59.4	7.1	14.3	6.7	59.4	0.0	2.1	4.6	63.9	55.2
Latvia (LSS)	1102	2.4	92.9	1.4	1.9	1.3	92.9	0.0	0.9	0.4	93.4	92.4
Netherlands	1266	2.1	95.2	1.2	0.6	1.0	95.2	0.9	0.0	0.1	94.5	96.0
New Zealand	1217	6.3	77.7	4.6	9.2	2.1	77.7	0.0	0.6	1.5	80.4	75.0
Norway	1135	5.0	88.5	1.7	2.0	2.8	88.5	0.3	1.6	0.9	87.5	89.4
Portugal	1411	5.8	79.0	2.1	9.4	3.6	79.0	0.0	2.5	1.1	79.5	78.6
Scotland	1652	5.9	80.4	3.8	7.6	2.3	80.4	0.5	0.4	1.4	80.2	80.6
Singapore	3542	1.5	95.8	1.3	1.2	0.2	95.8	0.0	0.0	0.2	96.0	95.6
Slovenia	1286	1.6	92.4	1.4	3.1	1.5	92.4	0.1	0.2	1.3	92.3	92.4
Thailand	1454	3.3	86.5	2.4	7.4	0.4	86.5	0.0	0.1	0.3	87.7	85.1
United States	3667	2.7	86.3	2.8	6.6	1.6	86.3	0.0	0.0	1.6	85.9	86.7
INTERNATIONAL AVG	.	4.0	85.6	2.6	5.6	2.1	85.6	0.2	0.7	1.2	85.2	86.1

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

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Math Item Categories - FOURTH GRADE

May 14, 1998 10

Item: B09 KEY: B
 What is the sum of 2.5 and 3.8? (Fractions and Proportionality)
 Difficulty: 534

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3234	13.1	62.5	8.1	12.2	4.1	62.5	0.0	0.6	3.5	62.4	62.7
Austria	1317	13.3	67.2	6.0	6.2	7.3	67.2	1.4	0.1	5.9	65.1	68.9
Canada	4137	22.4	54.7	8.3	9.0	5.6	54.7	2.0	0.5	3.1	55.2	53.6
Cyprus	1739	15.9	50.4	8.2	12.1	13.5	50.4	3.0	0.6	9.9	48.6	51.8
Czech Republic	1630	11.0	58.9	5.2	11.3	13.6	58.9	2.6	1.1	9.9	59.4	58.4
England	1538	17.1	51.0	9.3	16.0	6.6	51.0	0.0	0.7	5.9	53.8	48.1
Greece	1519	15.1	47.4	5.3	8.0	24.2	47.4	6.6	0.5	17.2	48.1	46.6
Hong Kong	2196	6.2	88.3	3.0	1.7	0.8	88.3	0.2	0.1	0.5	90.0	86.9
Hungary	1498	12.9	59.4	4.6	11.8	11.2	59.4	0.0	1.5	9.8	59.8	59.1
Iceland	909	19.3	41.1	14.1	16.0	9.5	41.1	1.8	2.3	5.4	39.1	43.0
Iran, Islamic Rep.	1688	19.1	54.8	5.4	10.4	10.3	54.8	1.5	1.2	7.6	61.9	48.2
Ireland	1422	10.3	72.0	5.8	8.1	3.9	72.0	1.5	0.3	2.2	74.2	69.7
Israel	1152	13.9	52.4	8.6	13.3	11.8	52.4	0.4	1.0	10.5	49.8	55.3
Japan	2146	2.4	94.9	1.7	0.6	0.5	94.9	0.0	0.2	0.2	95.5	94.3
Korea	1396	2.4	96.2	0.8	0.4	0.1	96.2	0.0	0.1	0.1	96.3	96.0
Kuwait	2133	17.1	36.9	11.9	21.6	12.4	36.9	0.0	2.5	9.9	35.2	38.6
Latvia (LSS)	1099	13.8	58.8	5.4	8.5	13.6	58.8	0.0	0.9	12.7	59.9	57.7
Netherlands	1266	9.5	74.7	5.0	9.2	1.6	74.7	1.5	0.0	0.1	73.2	76.7
New Zealand	1217	20.1	43.1	11.6	17.7	7.4	43.1	0.0	0.7	6.7	44.2	42.1
Norway	1135	15.2	46.5	10.5	14.5	13.4	46.5	2.6	1.6	9.1	40.6	52.6
Portugal	1411	8.6	77.1	4.0	3.6	6.7	77.1	0.0	2.7	4.0	79.0	75.4
Scotland	1652	14.7	56.4	9.5	13.9	5.5	56.4	1.1	0.5	3.9	57.8	55.1
Singapore	3543	2.6	94.1	1.5	1.6	0.3	94.1	0.0	0.0	0.3	95.2	93.1
Slovenia	1286	12.7	65.6	6.2	8.1	7.5	65.6	0.9	0.2	6.4	66.4	64.2
Thailand	1454	25.8	65.5	3.4	4.6	0.7	65.5	0.0	0.1	0.6	67.2	63.7
United States	3667	16.0	67.0	6.8	7.1	3.1	67.0	0.2	0.0	2.8	68.1	66.0
INTERNATIONAL AVG	.	13.5	63.0	6.5	9.5	7.5	63.0	1.0	0.8	5.7	63.3	62.6

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

Item: C01 KEY: B
 Shown graph (20 unit increments), which class collected 45 bottles? (Data Rep., Analysis and Probability)
 Difficulty: 406

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2455	2.6	93.1	1.7	0.8	1.8	93.1	0.0	0.1	1.7	93.6	92.6
Austria	988	5.2	88.4	2.2	1.3	2.9	88.4	0.6	0.0	2.3	88.4	88.2
Canada	3144	2.1	92.6	2.6	2.0	0.8	92.6	0.1	0.1	0.6	93.1	92.0
Cyprus	1219	4.7	85.9	4.0	1.9	3.6	85.9	0.9	0.0	2.7	85.1	86.5
Czech Republic	1236	3.9	88.1	1.3	4.5	2.2	88.1	1.1	0.0	1.0	87.5	88.7
England	1164	3.4	90.5	3.7	1.0	1.5	90.5	0.0	0.2	1.3	90.6	90.2
Greece	1163	4.0	74.3	5.5	11.5	4.7	74.3	0.3	0.1	4.3	74.2	74.4
Hong Kong	1648	0.9	96.2	1.9	0.7	0.3	96.2	0.1	0.0	0.2	97.2	95.5
Hungary	1151	5.8	84.4	2.1	1.6	6.0	84.4	0.0	0.8	5.2	82.9	85.7
Iceland	679	4.9	87.0	3.4	1.6	3.1	87.0	1.0	0.8	1.3	86.3	87.9
Iran, Islamic Rep.	1274	19.8	33.8	19.2	10.2	17.0	33.8	1.9	0.4	14.8	26.2	41.0
Ireland	1078	2.1	93.7	1.6	1.1	1.5	93.7	0.8	0.1	0.6	94.3	92.9
Israel	906	3.5	85.9	5.8	3.2	1.6	85.9	0.3	0.5	0.9	85.8	87.6
Japan	1602	0.9	97.0	0.7	0.7	0.6	97.0	0.4	0.0	0.2	97.0	97.0
Korea	1055	0.4	97.8	0.8	0.8	0.2	97.8	0.0	0.0	0.2	98.0	97.5
Kuwait	1599	25.8	45.2	14.7	7.5	6.9	45.2	0.0	0.7	6.2	40.8	49.3
Latvia (LSS)	835	10.0	73.7	5.7	3.5	7.1	73.7	0.0	0.1	7.0	74.0	73.4
Netherlands	938	1.9	95.2	2.0	0.6	0.4	95.2	0.4	0.0	0.0	95.0	95.2
New Zealand	893	4.0	89.6	2.6	1.5	2.3	89.6	0.0	0.3	2.0	89.8	89.3
Norway	831	3.9	88.2	4.1	1.0	2.7	88.2	0.1	0.7	2.0	88.5	88.0
Portugal	1074	9.6	66.7	7.3	4.4	12.0	66.7	0.0	0.8	11.2	68.6	64.9
Scotland	1241	2.6	92.1	2.8	1.5	1.1	92.1	0.0	0.3	0.8	93.5	90.6
Singapore	2689	1.8	96.1	0.8	0.7	0.5	96.1	0.0	0.0	0.5	96.9	95.4
Slovenia	968	4.6	87.0	3.1	2.8	2.4	87.0	0.4	0.1	1.9	87.0	87.2
Thailand	1188	4.0	89.5	3.3	2.9	0.4	89.5	0.1	0.0	0.3	89.4	89.5
United States	2720	1.7	96.3	0.8	0.4	0.8	96.3	0.0	0.1	0.7	97.1	95.4
INTERNATIONAL AVG	.	5.2	84.9	4.0	2.7	3.2	84.9	0.3	0.2	2.7	84.7	85.2

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

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Math Item Categories - FOURTH GRADE

May 14, 1998 12

Item: C02 KEY: D
 Find volume of a stack of 5 cubes. (Measurement, Estimation, & Number Sense)
 Difficulty: 495

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2455	4.7	20.4	4.8	68.9	1.1	68.9	0.0	0.1	1.0	67.0	70.7
Austria	988	1.9	14.7	1.4	80.9	1.1	80.9	0.0	0.0	1.1	77.5	83.9
Canada	3144	5.0	23.3	5.1	65.7	0.9	65.7	0.0	0.2	0.7	64.4	66.7
Cyprus	1219	6.9	22.0	5.1	62.4	3.6	62.4	0.0	0.1	3.6	63.9	60.7
Czech Republic	1236	0.9	10.4	2.0	86.1	0.6	86.1	0.0	0.0	0.5	83.2	89.4
England	1164	5.2	23.2	6.0	63.9	1.7	63.9	0.0	0.3	1.5	62.7	65.2
Greece	1163	3.3	21.9	3.9	66.8	4.0	66.8	0.1	0.3	3.7	63.2	70.7
Hong Kong	1649	2.9	8.0	2.0	86.7	0.3	86.7	0.0	0.0	0.3	88.7	85.1
Hungary	1151	2.8	22.3	4.8	65.6	4.4	65.6	0.0	1.5	3.0	62.2	69.2
Iceland	679	17.4	36.6	7.4	34.7	3.9	34.7	0.1	1.1	2.7	35.7	33.5
Iran, Islamic Rep.	1273	6.3	29.5	7.9	50.1	6.2	50.1	0.5	0.5	5.3	47.0	53.1
Ireland	1078	3.5	22.9	4.2	68.3	1.1	68.3	0.2	0.1	0.8	71.1	65.5
Israel	906	1.6	9.7	2.5	84.8	1.4	84.8	0.0	0.8	0.6	84.3	87.0
Japan	1602	2.3	17.2	9.9	70.0	0.6	70.0	0.1	0.1	0.4	67.4	72.7
Korea	1055	0.2	4.4	1.2	94.1	0.1	94.1	0.0	0.1	0.0	94.1	94.0
Kuwait	1599	8.5	36.6	7.8	42.2	4.8	42.2	0.0	1.1	3.8	41.0	43.4
Latvia (LSS)	835	1.6	17.5	2.2	76.4	2.3	76.4	0.0	0.1	2.2	76.5	76.3
Netherlands	938	2.2	9.2	3.6	84.8	0.3	84.8	0.3	0.0	0.0	80.9	88.4
New Zealand	893	8.7	28.4	8.0	53.3	1.5	53.3	0.0	0.4	1.1	52.6	54.0
Norway	831	9.1	23.8	9.2	51.5	6.5	51.5	0.0	0.9	5.6	50.1	51.7
Portugal	1074	3.5	25.1	4.0	60.7	6.7	60.7	0.0	1.5	5.2	57.7	63.6
Scotland	1241	4.6	23.0	5.9	65.0	1.4	65.0	0.0	0.4	1.1	62.2	67.6
Singapore	2689	2.8	9.8	2.7	84.4	0.4	84.4	0.0	0.0	0.4	84.7	84.2
Slovenia	968	5.9	15.7	2.5	74.4	1.5	74.4	0.0	0.2	1.3	73.8	74.9
Thailand	1188	10.5	22.8	4.3	61.9	0.5	61.9	0.0	0.0	0.5	63.3	60.6
United States	2720	4.4	24.6	4.4	65.4	1.2	65.4	0.0	0.1	1.1	64.3	66.5
INTERNATIONAL AVG	.	4.9	20.1	4.7	68.0	2.2	68.0	0.0	0.4	1.8	66.9	69.2

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

Item: C03 KEY: E
 Which figure shows 2/3 of the square shaded? (Fractions and Proportionality)
 Difficulty: 569

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2456	19.9	12.9	1.8	3.5	58.8	3.1	58.8	0.0	0.1	3.0	58.9	58.6
Austria	988	16.6	14.2	6.2	5.9	49.6	7.5	49.6	1.8	0.0	5.8	49.5	49.4
Canada	3144	18.7	10.8	1.4	2.9	63.1	3.1	63.1	1.7	0.2	1.2	63.9	61.2
Cyprus	1219	15.0	10.3	1.8	3.3	63.4	6.3	63.4	3.1	0.1	3.2	67.6	59.4
Czech Republic	1237	23.0	15.8	2.0	6.1	47.4	5.6	47.4	1.7	0.0	3.9	46.3	48.7
England	1164	20.2	19.6	3.5	4.7	47.1	5.0	47.1	0.0	0.3	4.7	47.8	46.3
Greece	1163	19.3	14.2	2.6	2.8	50.3	10.8	50.3	4.9	0.3	5.6	50.5	50.0
Hong Kong	1659	3.0	3.3	0.6	3.0	84.2	5.9	84.2	2.0	0.0	3.9	84.5	83.9
Hungary	1151	22.0	10.4	2.0	4.1	54.5	7.0	54.5	0.0	1.5	5.4	53.3	55.1
Iceland	679	44.9	14.3	3.6	5.2	22.2	9.7	22.2	0.4	1.4	7.9	22.6	21.9
Iran, Islamic Rep.	1274	13.1	15.6	6.4	7.9	43.7	13.3	43.7	1.6	0.5	11.3	43.2	44.3
Ireland	1078	11.0	9.2	1.6	6.4	68.8	3.0	68.8	1.5	0.1	1.5	71.4	66.2
Israel	904	19.7	9.8	3.5	3.1	59.5	4.3	59.5	1.9	0.8	1.6	59.4	59.7
Japan	1602	9.5	3.9	0.3	1.6	78.3	6.5	78.3	4.9	0.1	1.5	81.8	74.7
Korea	1055	8.3	2.5	0.6	4.3	84.1	0.2	84.1	0.0	0.1	0.1	85.6	82.7
Kuwait	1598	33.3	21.7	5.0	6.8	19.8	13.5	19.8	0.0	1.3	12.2	19.9	19.6
Latvia (LSS)	835	32.8	7.4	2.0	2.4	51.0	4.5	51.0	0.0	0.4	4.1	50.7	51.3
Netherlands	938	14.9	10.6	2.7	5.1	65.1	1.7	65.1	1.5	0.0	0.2	63.5	67.5
New Zealand	893	26.4	14.7	3.0	4.3	47.2	4.3	47.2	0.0	0.7	3.6	44.6	49.9
Norway	831	30.6	18.9	6.6	6.9	24.2	12.7	24.2	0.9	1.1	10.7	24.0	24.5
Portugal	1074	41.0	11.3	4.2	3.5	20.4	19.6	20.4	0.0	1.7	17.8	23.5	17.3
Scotland	1241	22.3	15.8	1.8	4.3	52.3	3.6	52.3	1.3	0.4	1.9	56.7	47.9
Singapore	2689	4.3	1.7	0.6	2.3	90.1	0.9	90.1	0.0	0.0	0.9	89.4	90.7
Slovenia	968	29.6	9.8	2.2	2.4	52.5	3.6	52.5	1.7	0.2	1.6	53.9	51.4
Thailand	1188	19.0	3.1	1.4	1.7	71.1	3.8	71.1	0.1	0.0	3.8	73.5	68.9
United States	2720	15.2	7.1	1.6	2.8	71.2	2.2	71.2	0.3	0.1	1.8	74.0	68.2
INTERNATIONAL AVG	.	20.5	11.1	2.7	4.1	55.4	6.2	55.4	1.2	0.4	4.6	56.2	54.6

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

Item: C04 KEY: A
 Which expression shows how long it will take to wash 8 windows at 4 minutes/window? (Whole Numbers)
 Difficulty: 439

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2456	80.2	6.9	2.4	9.2	1.2	80.2	0.0	0.1	1.1	79.8	80.5
Austria	988	77.8	7.6	4.7	7.7	2.2	77.8	0.3	0.0	1.9	76.9	78.5
Canada	3144	79.8	6.9	1.7	10.2	1.4	79.8	0.1	0.2	1.1	79.4	79.6
Cyprus	1219	85.6	6.0	3.0	3.5	2.0	85.6	0.1	0.1	1.8	84.7	86.5
Czech Republic	1237	92.2	2.2	0.6	3.3	1.8	92.2	0.7	0.1	1.0	92.5	91.8
England	1164	73.8	7.6	4.8	11.5	2.4	73.8	0.0	0.4	2.0	71.9	75.9
Greece	1163	81.5	5.5	3.5	4.7	4.9	81.5	0.5	0.3	4.0	81.2	81.8
Hong Kong	1659	87.8	5.8	3.1	3.2	0.1	87.8	0.0	0.0	0.1	88.7	86.9
Hungary	1151	84.8	5.3	2.0	4.1	3.7	84.8	0.0	1.8	1.9	84.8	84.6
Iceland	679	68.9	9.9	4.3	13.5	3.4	68.9	0.0	2.0	1.4	67.0	70.9
Iran, Islamic Rep.	1274	61.7	13.0	5.5	11.7	8.1	61.7	1.9	0.6	5.6	60.1	63.3
Ireland	1078	87.0	6.0	2.1	3.6	1.4	87.0	0.5	0.1	0.8	88.2	85.8
Israel	904	86.2	7.1	2.4	3.0	1.3	86.2	0.0	0.8	0.5	87.4	85.8
Japan	1602	91.4	4.3	1.5	2.5	0.3	91.4	0.1	0.1	0.2	91.0	91.8
Korea	1055	94.8	3.3	0.5	1.2	0.2	94.8	0.0	0.1	0.1	94.1	95.4
Kuwait	1599	40.2	17.3	11.9	24.9	5.7	40.2	0.0	1.8	3.9	40.3	40.2
Latvia (LSS)	835	78.9	7.3	2.8	7.8	3.2	78.9	0.0	0.4	2.8	82.0	76.2
Netherlands	938	95.2	1.2	0.8	2.5	0.3	95.2	0.3	0.0	0.0	93.8	96.5
New Zealand	893	68.1	9.4	5.0	15.2	2.2	68.1	0.0	0.7	1.6	68.4	67.9
Norway	831	72.7	7.3	2.4	13.6	4.0	72.7	0.1	1.2	2.8	73.5	72.4
Portugal	1074	69.5	11.9	7.6	5.0	5.8	69.5	0.0	2.1	3.8	66.8	72.2
Scotland	1241	79.1	8.3	3.2	7.5	1.9	79.1	0.1	0.5	1.3	80.2	77.9
Singapore	2689	91.0	4.5	2.0	1.8	0.6	91.0	0.0	0.0	0.5	91.6	90.5
Slovenia	968	82.2	6.6	1.9	8.1	1.2	82.2	0.1	0.2	0.9	83.1	81.1
Thailand	1188	73.2	9.7	6.6	10.0	0.5	73.2	0.1	0.1	0.4	75.2	71.5
United States	2720	81.5	7.4	2.4	7.4	1.3	81.5	0.0	0.1	1.2	82.3	80.7
INTERNATIONAL AVG	.	79.4	7.2	3.4	7.6	2.4	79.4	0.2	0.5	1.6	79.4	79.5

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

Item: D05 KEY: A
 Shown bar graph, which two classes collected exactly 80 bottles? (Data Rep., Analysis and Probability)
 Difficulty: 442

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2429	86.6	2.4	3.7	1.3	5.9	86.6	0.0	0.1	5.8	88.4	84.9
Austria	986	80.0	2.2	2.7	3.1	11.9	80.0	10.4	0.1	1.4	82.1	78.3
Canada	3147	85.1	1.9	3.1	2.6	7.3	85.1	6.2	0.3	0.8	87.8	82.2
Cyprus	1245	82.2	3.8	5.0	2.7	6.3	82.2	4.5	0.3	1.6	86.7	77.9
Czech Republic	1231	85.0	2.4	5.1	1.8	5.7	85.0	3.0	0.9	1.8	85.0	85.0
England	1156	83.5	1.9	2.9	3.0	8.8	83.5	0.0	0.1	8.6	86.4	80.5
Greece	1162	71.5	3.0	7.0	6.1	12.4	71.5	9.0	0.6	2.9	72.9	70.0
Hong Kong	1665	93.9	1.9	2.8	0.4	1.0	93.9	0.2	0.0	0.8	95.0	92.9
Hungary	1126	80.4	3.7	5.9	3.4	6.6	80.4	0.0	0.9	5.7	81.9	78.9
Iceland	674	83.7	2.5	5.6	3.0	5.2	83.7	1.9	1.6	1.8	81.6	85.8
Iran, Islamic Rep.	1273	39.8	12.5	20.1	16.6	11.1	39.8	2.6	0.6	7.9	39.3	40.2
Ireland	1080	84.8	2.0	3.2	1.6	8.4	84.8	7.4	0.3	0.7	86.9	82.6
Israel	897	87.5	2.8	5.7	1.5	2.4	87.5	1.6	0.1	0.7	88.6	88.5
Japan	1614	86.3	1.3	0.7	0.8	10.9	86.3	10.7	0.1	0.2	87.3	85.2
Korea	1059	96.8	0.4	2.4	0.3	0.1	96.8	0.0	0.0	0.1	97.4	96.3
Kuwait	1619	54.8	13.0	15.2	10.8	6.2	54.8	0.0	1.9	4.3	57.7	52.1
Latvia (LSS)	827	64.6	6.7	8.5	7.5	12.7	64.6	0.0	0.6	12.2	70.2	59.4
Netherlands	953	90.9	1.9	2.9	1.0	3.3	90.9	3.2	0.1	0.0	92.4	89.5
New Zealand	903	84.1	3.0	3.1	3.1	6.7	84.1	0.0	0.9	5.8	87.5	80.2
Norway	835	83.0	2.9	5.7	2.9	5.5	83.0	1.7	0.6	3.2	84.6	81.6
Portugal	1060	66.3	6.6	10.7	4.9	11.6	66.3	0.0	2.0	9.5	67.0	65.6
Scotland	1237	83.4	2.2	3.0	2.0	9.4	83.4	8.1	0.3	1.0	85.6	81.6
Singapore	2694	94.3	1.6	1.8	1.2	1.1	94.3	0.0	0.0	1.1	95.7	93.1
Slovenia	977	77.4	5.0	6.5	3.4	7.6	77.4	4.3	0.2	3.1	79.8	75.1
Thailand	1142	85.6	4.3	6.3	3.1	0.7	85.6	0.0	0.1	0.6	90.6	80.8
United States	2726	93.3	1.6	1.9	0.9	2.3	93.3	1.0	0.0	1.4	94.8	91.8
INTERNATIONAL AVG	.	81.0	3.6	5.4	3.4	6.6	81.0	2.9	0.5	3.2	82.8	79.2

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

Item: D06 KEY: D
 How many degrees did temperature rise from minus 3 to 5? (Measurement, Estimation, & Number Sense)
 Difficulty: 556

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2429	36.4	2.3	6.9	53.6	0.7	53.6	0.0	0.1	0.6	51.7	55.5
Austria	987	20.0	2.3	4.9	71.7	1.0	71.7	0.1	0.2	0.7	64.9	77.4
Canada	3147	41.2	3.4	8.9	45.5	1.0	45.5	0.0	0.4	0.6	42.3	48.8
Cyprus	1246	31.3	5.7	12.1	47.9	3.1	47.9	1.0	0.3	1.7	41.9	53.4
Czech Republic	1231	20.6	1.8	4.0	71.4	2.2	71.4	0.1	1.0	1.0	66.5	76.9
England	1156	24.0	3.8	11.3	60.0	0.9	60.0	0.0	0.2	0.6	59.6	60.5
Greece	1162	23.5	5.0	14.1	54.2	3.1	54.2	0.9	0.7	1.6	54.9	53.4
Hong Kong	1663	27.1	3.2	8.5	60.7	0.5	60.7	0.1	0.0	0.4	54.5	65.9
Hungary	1126	36.7	2.3	3.2	55.5	2.4	55.5	0.0	0.9	1.4	52.0	59.4
Iceland	674	55.9	3.6	7.0	30.3	3.2	30.3	0.2	1.9	1.1	23.0	37.8
Iran, Islamic Rep.	1273	22.3	10.0	20.4	41.5	5.9	41.5	1.4	0.8	3.6	42.9	40.2
Ireland	1080	33.7	3.1	9.2	52.8	1.2	52.8	0.0	0.4	0.8	51.2	54.4
Israel	902	28.8	3.2	7.1	59.7	1.2	59.7	0.1	0.4	0.6	56.6	65.0
Japan	1614	17.7	3.5	6.0	72.7	0.2	72.7	0.1	0.2	0.0	68.4	77.0
Korea	1059	31.4	3.2	3.9	61.2	0.3	61.2	0.0	0.0	0.3	52.6	69.6
Kuwait	1619	19.3	11.0	18.4	45.3	6.0	45.3	0.0	2.3	3.7	46.2	44.5
Latvia (LSS)	827	20.5	3.0	8.6	65.7	2.2	65.7	0.0	0.7	1.5	66.1	65.2
Netherlands	953	17.7	2.0	3.9	75.9	0.6	75.9	0.5	0.1	0.0	69.4	82.6
New Zealand	903	39.3	5.8	9.7	42.5	2.7	42.5	0.0	0.9	1.8	41.4	43.9
Norway	835	21.8	2.2	7.8	64.7	3.4	64.7	0.3	1.1	2.1	58.5	69.5
Portugal	1060	27.7	4.0	12.3	48.9	7.1	48.9	0.0	3.1	4.0	44.9	53.1
Scotland	1237	26.7	4.0	10.6	57.2	1.5	57.2	0.5	0.7	0.4	54.8	59.6
Singapore	2694	40.9	4.6	8.5	45.7	0.3	45.7	0.0	0.0	0.3	41.1	49.8
Slovenia	977	34.5	2.6	2.6	59.4	1.0	59.4	0.2	0.4	0.3	50.0	69.0
Thailand	1142	33.7	7.3	24.1	34.3	0.5	34.3	0.0	0.1	0.4	33.1	35.5
United States	2726	38.1	3.6	7.1	49.7	1.5	49.7	0.0	0.1	1.4	46.0	53.2
INTERNATIONAL AVG	.	29.6	4.1	9.3	54.9	2.1	54.9	0.2	0.7	1.2	51.3	58.5

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

Item: D07 KEY: C
 Which two figures are congruent? (Geometry)
 Difficulty: 386

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2429	2.7	2.3	89.0	4.8	1.2	89.0	0.0	0.2	1.0	90.5	87.4
Austria	988	3.3	1.6	91.5	2.7	1.0	91.5	0.4	0.2	0.4	90.2	92.6
Canada	3147	1.3	2.4	91.4	3.6	1.3	91.4	0.3	0.4	0.6	91.7	90.9
Cyprus	1246	3.9	4.2	79.7	7.6	4.6	79.7	0.8	0.6	3.1	80.9	78.7
Czech Republic	1231	1.0	0.4	93.2	2.3	3.1	93.2	1.1	1.3	0.7	93.6	92.8
England	1156	3.3	2.9	88.0	4.7	1.1	88.0	0.0	0.2	0.9	89.0	86.8
Greece	1162	2.7	2.5	86.0	4.3	4.4	86.0	1.7	0.7	2.0	86.7	85.3
Hong Kong	1665	2.3	1.5	92.9	2.7	0.6	92.9	0.1	0.0	0.5	93.7	92.2
Hungary	1126	3.4	3.0	85.1	5.5	3.0	85.1	0.0	1.0	2.0	84.0	86.7
Iceland	674	2.4	1.6	90.9	2.0	3.2	90.9	0.3	2.0	0.8	91.2	90.6
Iran, Islamic Rep.	1273	7.3	7.8	61.4	13.3	10.1	61.4	2.0	0.9	7.2	63.3	59.8
Ireland	1080	2.1	2.8	89.7	3.5	1.9	89.7	0.8	0.4	0.7	90.5	88.7
Israel	902	7.2	3.6	82.3	3.4	3.5	82.3	0.7	0.6	2.2	85.1	81.1
Japan	1614	2.4	2.4	92.3	2.5	0.5	92.3	0.1	0.2	0.2	93.0	91.5
Korea	1059	2.9	0.6	93.3	3.1	0.1	93.3	0.0	0.0	0.1	91.9	94.6
Kuwait	1619	9.2	10.6	55.0	18.1	7.0	55.0	0.0	2.9	4.2	56.9	53.2
Latvia (LSS)	826	1.0	1.8	92.4	2.3	2.5	92.4	0.0	0.9	1.5	94.7	90.3
Netherlands	953	2.3	2.5	92.0	2.5	0.7	92.0	0.6	0.1	0.0	91.1	92.7
New Zealand	903	3.8	2.3	85.7	5.9	2.3	85.7	0.0	0.9	1.4	87.4	83.8
Norway	835	3.4	2.8	86.0	3.8	3.9	86.0	0.2	1.3	2.5	85.4	87.2
Portugal	1060	4.5	2.6	77.2	7.2	8.5	77.2	0.0	3.6	4.9	74.9	79.7
Scotland	1237	2.6	2.5	88.1	4.3	2.4	88.1	0.8	0.8	0.8	89.4	86.8
Singapore	2693	2.2	2.6	91.4	3.5	0.3	91.4	0.0	0.0	0.3	93.8	89.2
Slovenia	977	2.0	1.2	92.4	3.0	1.4	92.4	0.3	0.4	0.7	92.6	92.0
Thailand	1142	4.0	3.0	82.9	9.4	0.6	82.9	0.0	0.1	0.5	86.8	79.4
United States	2726	1.9	1.7	91.9	2.8	1.6	91.9	0.1	0.2	1.4	91.7	92.2
INTERNATIONAL AVG	.	3.3	2.8	86.2	5.0	2.7	86.2	0.4	0.8	1.6	86.9	85.6

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

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Math Item Categories - FOURTH GRADE

May 14, 1998 18

Item: D08 KEY: E
 Subtract: 4.03 - 1.15. (Fractions and Proportionality)
 Difficulty: 539

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2429	4.6	1.6	25.9	16.0	48.1	3.7	48.1	0.0	0.3	3.4	51.6	44.8
Austria	988	5.8	0.6	4.4	4.7	82.7	1.8	82.7	0.1	0.3	1.4	84.8	80.4
Canada	3147	3.8	0.6	20.1	12.8	60.5	2.2	60.5	0.1	0.5	1.6	61.6	59.8
Cyprus	1246	1.4	0.7	8.0	8.4	77.6	3.9	77.6	0.1	0.9	2.9	78.7	76.6
Czech Republic	1230	1.7	0.4	16.0	6.6	68.5	6.7	68.5	1.4	1.3	3.9	73.1	63.6
England	1156	7.2	2.5	33.6	12.4	37.9	6.5	37.9	0.0	0.2	6.2	40.5	35.1
Greece	1162	1.8	0.3	9.1	3.8	73.9	11.1	73.9	0.1	0.8	10.1	77.3	70.4
Hong Kong	1665	0.8	0.3	1.7	7.1	89.2	0.8	89.2	0.1	0.0	0.7	89.9	88.8
Hungary	1126	4.1	0.8	14.1	6.2	69.3	5.5	69.3	0.0	1.2	4.3	71.3	67.5
Iceland	674	3.3	2.3	30.7	10.6	45.6	7.6	45.6	0.2	2.2	5.3	47.2	43.9
Iran, Islamic Rep.	1273	6.4	8.3	13.9	13.3	42.3	15.8	42.3	0.7	1.3	13.8	44.1	40.6
Ireland	1080	1.5	0.5	5.6	6.6	83.1	2.7	83.1	0.4	0.5	1.8	87.1	78.9
Israel	902	6.3	1.5	24.8	10.3	50.9	6.2	50.9	0.2	0.7	5.3	55.7	46.9
Japan	1614	1.6	0.6	2.2	8.1	87.3	0.2	87.3	0.0	0.2	0.0	87.8	86.8
Korea	1059	0.9	0.3	2.8	7.4	88.5	0.1	88.5	0.0	0.0	0.1	87.7	89.3
Kuwait	1619	8.8	4.7	17.9	16.9	41.6	10.1	41.6	0.0	3.5	6.6	44.6	38.7
Latvia (LSS)	827	0.5	0.7	14.1	11.9	63.8	8.8	63.8	0.0	1.2	7.7	66.9	61.0
Netherlands	953	0.9	0.1	7.5	8.4	82.3	0.8	82.3	0.7	0.1	0.0	81.4	83.1
New Zealand	903	7.7	3.5	43.3	16.2	25.7	3.7	25.7	0.0	1.0	2.7	26.4	24.8
Norway	835	10.4	2.1	16.6	11.3	50.9	8.7	50.9	0.1	1.7	6.8	55.1	47.3
Portugal	1060	7.5	1.4	9.1	8.3	66.0	7.7	66.0	0.0	4.3	3.4	68.0	63.8
Scotland	1237	4.8	1.0	23.8	9.2	56.9	4.4	56.9	0.1	0.8	3.5	60.2	53.5
Singapore	2694	0.6	0.6	1.2	4.5	92.8	0.3	92.8	0.0	0.0	0.3	93.7	91.9
Slovenia	977	1.7	0.6	18.6	6.8	67.9	4.4	67.9	0.2	0.4	3.9	71.3	65.3
Thailand	1142	2.2	1.6	15.9	11.0	68.6	0.7	68.6	0.0	0.1	0.6	72.6	64.8
United States	2726	1.0	0.4	13.4	13.1	69.8	2.3	69.8	0.0	0.2	2.1	70.2	69.5
INTERNATIONAL AVG	.	3.7	1.5	15.2	9.7	65.1	4.9	65.1	0.2	0.9	3.8	67.3	63.0

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

Item: D09 KEY: C
 Which of the following diagram has three out of every four squares shaded? (Fractions and Proportionality)
 Difficulty: 574

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2429	10.4	19.7	53.3	12.1	4.6	53.3	0.0	0.4	4.2	53.2	53.3
Austria	988	5.8	22.6	51.7	7.6	12.2	51.7	4.5	0.3	7.4	47.7	55.7
Canada	3147	6.7	22.2	52.0	14.4	4.7	52.0	1.6	0.5	2.6	51.9	51.6
Cyprus	1245	9.5	7.5	57.8	14.8	10.5	57.8	2.9	1.0	6.6	59.3	56.4
Czech Republic	1231	12.7	1.6	48.1	16.9	20.7	48.1	14.6	1.6	4.5	50.5	45.5
England	1156	8.6	17.2	52.8	13.0	8.4	52.8	0.0	0.5	7.8	53.5	52.0
Greece	1162	21.6	1.7	43.0	14.0	19.6	43.0	8.6	1.0	10.0	43.1	42.8
Hong Kong	1665	7.2	12.0	62.3	13.9	4.7	62.3	3.1	0.0	1.6	60.1	64.0
Hungary	1126	12.8	5.6	49.6	16.6	15.5	49.6	0.0	1.5	14.0	52.7	47.0
Iceland	674	7.6	17.1	48.8	14.2	12.3	48.8	4.0	2.7	5.5	49.0	48.6
Iran, Islamic Rep.	1273	22.6	12.8	31.8	14.7	18.1	31.8	4.9	1.6	11.6	34.3	29.6
Ireland	1080	5.6	15.3	60.1	12.5	6.6	60.1	4.1	0.5	1.9	62.4	57.6
Israel	902	8.6	18.9	53.9	9.1	9.6	53.9	3.6	1.0	5.0	56.8	51.3
Japan	1614	5.6	4.5	71.2	16.2	2.5	71.2	2.0	0.2	0.3	71.8	70.6
Korea	1059	5.3	18.6	66.1	9.8	0.3	66.1	0.0	0.0	0.3	65.5	66.6
Kuwait	1618	15.5	12.7	35.6	17.7	18.3	35.6	0.0	4.1	14.3	34.6	36.7
Latvia (LSS)	825	14.7	8.5	43.4	13.9	19.5	43.4	0.0	1.3	18.2	41.7	45.0
Netherlands	953	6.2	12.3	65.4	11.8	4.4	65.4	4.3	0.1	0.0	63.7	67.1
New Zealand	903	9.5	22.8	46.5	15.3	5.9	46.5	0.0	1.0	4.9	48.5	44.3
Norway	835	8.1	21.0	48.8	9.9	12.3	48.8	2.7	2.0	7.6	46.2	51.4
Portugal	1060	12.3	10.4	36.4	13.4	27.5	36.4	0.0	5.1	22.4	35.1	37.8
Scotland	1237	9.0	19.6	48.2	15.5	7.7	48.2	4.1	0.8	2.7	44.8	51.5
Singapore	2694	2.5	15.1	71.2	10.5	0.8	71.2	0.0	0.0	0.8	74.2	68.7
Slovenia	977	9.5	7.9	65.2	8.5	8.8	65.2	4.6	0.4	3.9	65.5	64.9
Thailand	1142	16.3	16.6	43.2	22.0	2.1	43.2	0.0	0.1	1.9	43.9	42.5
United States	2726	6.5	17.8	60.7	12.9	2.2	60.7	0.3	0.2	1.7	59.9	61.4
INTERNATIONAL AVG	.	10.0	13.9	52.6	13.5	10.0	52.6	2.7	1.1	6.2	52.7	52.4

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

Item: E01 KEY: C
 Shown calendar, what date is three weeks after December 2? (Measurement, Estimation, & Number Sense)
 Difficulty: 501

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2431	13.8	6.6	76.0	2.7	1.0	76.0	0.0	0.2	0.8	78.6	73.6
Austria	997	10.0	6.2	80.0	3.5	0.4	80.0	0.0	0.1	0.3	76.6	83.2
Canada	3200	14.5	8.8	73.3	2.6	0.7	73.3	0.0	0.1	0.6	72.8	73.4
Cyprus	1242	20.5	14.0	58.1	4.8	2.6	58.1	0.0	0.3	2.3	55.9	60.0
Czech Republic	1231	8.4	11.7	75.3	3.4	1.2	75.3	0.4	0.1	0.7	76.2	74.4
England	1171	15.6	8.6	70.1	4.6	1.2	70.1	0.0	0.1	1.1	70.3	69.8
Greece	1137	14.6	17.9	58.8	5.4	3.3	58.8	0.2	0.1	2.9	57.5	60.3
Hong Kong	1637	18.4	9.8	66.7	4.8	0.3	66.7	0.0	0.0	0.3	65.8	67.4
Hungary	1141	13.6	13.3	66.7	4.0	2.3	66.7	0.0	0.8	1.5	65.2	68.5
Iceland	661	13.0	11.2	72.8	1.3	1.7	72.8	0.0	1.2	0.5	73.3	72.2
Iran, Islamic Rep.	1278	17.6	28.3	29.7	16.1	8.3	29.7	0.2	0.2	7.9	27.8	31.6
Ireland	1085	10.7	5.2	81.6	1.7	0.9	81.6	0.1	0.3	0.5	83.9	79.3
Israel	914	12.8	13.8	64.7	6.8	1.9	64.7	0.0	0.4	1.6	63.5	64.3
Japan	1619	10.4	6.2	81.9	1.4	0.1	81.9	0.1	0.0	0.0	82.4	81.4
Korea	1061	13.6	6.1	77.4	2.8	0.1	77.4	0.0	0.0	0.1	72.6	82.0
Kuwait	1594	21.9	21.4	33.0	16.5	7.2	33.0	0.0	1.1	6.2	31.3	34.6
Latvia (LSS)	835	13.7	9.2	71.2	3.7	2.3	71.2	0.0	0.1	2.2	75.1	67.4
Netherlands	932	11.1	4.8	81.2	2.0	0.9	81.2	0.6	0.0	0.2	78.6	83.1
New Zealand	912	13.6	11.0	71.1	3.3	1.0	71.1	0.0	0.3	0.6	73.4	68.7
Norway	833	13.1	10.0	70.3	3.4	3.3	70.3	0.1	0.9	2.3	71.1	69.8
Portugal	1075	24.0	13.4	50.1	6.2	6.3	50.1	0.0	1.2	5.1	51.5	48.8
Scotland	1245	12.4	7.9	75.0	3.9	0.8	75.0	0.1	0.0	0.7	76.0	74.1
Singapore	2681	12.0	10.9	71.9	4.6	0.6	71.9	0.0	0.0	0.6	72.0	71.9
Slovenia	974	9.2	9.4	76.1	4.5	0.7	76.1	0.1	0.1	0.5	76.5	75.9
Thailand	1196	18.3	14.0	53.5	12.9	1.2	53.5	0.0	0.0	1.2	55.0	52.3
United States	2636	18.1	6.1	72.9	2.1	0.9	72.9	0.0	0.0	0.9	73.4	72.3
INTERNATIONAL AVG	.	14.4	11.0	67.7	5.0	2.0	67.7	0.1	0.3	1.6	67.5	67.7

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

Item: E02 KEY: B
 Which digit is in the hundreds place in 2345? (Whole Numbers)
 Difficulty: 461

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2431	5.9	83.5	5.6	3.8	1.2	83.5	0.0	0.3	0.9	83.9	83.2
Austria	997	4.8	85.5	3.8	3.3	2.7	85.5	0.6	0.1	2.0	85.4	86.4
Canada	3200	7.1	80.4	7.0	4.4	1.2	80.4	0.1	0.1	1.1	80.9	79.8
Cyprus	1243	13.0	66.8	8.6	8.6	3.1	66.8	0.4	0.3	2.4	66.1	67.7
Czech Republic	1231	6.0	87.1	3.2	1.4	2.2	87.1	0.9	0.1	1.3	86.8	87.5
England	1171	12.8	68.0	8.2	8.1	2.8	68.0	0.0	0.1	2.8	66.9	69.1
Greece	1137	11.9	74.5	5.3	4.8	3.6	74.5	0.7	0.3	2.5	74.0	75.1
Hong Kong	1638	21.4	68.2	7.4	2.5	0.4	68.2	0.1	0.0	0.3	71.5	65.6
Hungary	1141	5.9	84.6	3.3	3.1	3.1	84.6	0.0	0.9	2.2	85.0	84.6
Iceland	663	13.0	73.9	4.0	6.6	2.5	73.9	0.5	1.2	0.7	73.0	75.0
Iran, Islamic Rep.	1278	6.3	69.9	14.0	5.4	4.4	69.9	0.4	0.3	3.7	70.1	69.7
Ireland	1085	7.6	77.6	6.6	6.4	1.8	77.6	0.1	0.3	1.4	77.3	77.9
Israel	915	2.0	90.6	4.6	0.8	2.0	90.6	0.1	1.1	0.9	91.7	90.9
Japan	1619	1.6	94.1	3.5	0.5	0.3	94.1	0.2	0.0	0.1	94.0	94.3
Korea	1061	0.3	98.0	1.6	0.1	0.0	98.0	0.0	0.0	0.0	97.7	98.3
Kuwait	1600	9.6	65.5	10.4	9.4	5.1	65.5	0.0	1.5	3.6	71.0	60.3
Latvia (LSS)	835	10.0	77.6	4.1	4.0	4.3	77.6	0.0	0.5	3.8	78.6	76.6
Netherlands	932	5.1	83.5	5.5	3.9	2.0	83.5	1.7	0.0	0.3	80.1	86.7
New Zealand	912	8.6	73.2	9.6	6.2	2.4	73.2	0.0	0.5	1.9	75.0	71.3
Norway	834	10.1	75.1	6.2	4.3	4.4	75.1	0.0	1.1	3.2	73.2	76.6
Portugal	1075	3.0	71.4	16.4	4.5	4.7	71.4	0.0	1.7	3.0	73.1	69.9
Scotland	1245	11.0	73.7	6.3	6.9	2.2	73.7	0.1	0.0	2.1	73.6	74.0
Singapore	2681	1.4	94.6	2.3	1.7	0.1	94.6	0.0	0.0	0.1	95.8	93.5
Slovenia	974	17.0	66.6	6.2	5.8	4.4	66.6	0.5	0.1	3.8	65.2	68.1
Thailand	1196	2.6	82.7	10.8	3.3	0.6	82.7	0.0	0.0	0.6	83.2	82.3
United States	2636	4.3	89.3	3.5	1.8	1.1	89.3	0.0	0.1	1.1	89.4	89.1
INTERNATIONAL AVG	.	7.8	79.1	6.5	4.3	2.4	79.1	0.2	0.4	1.8	79.3	79.0

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

Item: E03 KEY: D

Which of the following numbers would be rounded to 600 when rounded to the nearest hundred? (Measurement, Estimation, & Number Sense)
 Difficulty: 520

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2432	1.7	4.3	2.2	79.9	10.8	1.0	79.9	0.0	0.3	0.8	78.4	81.4
Austria	998	2.1	3.9	2.6	69.6	17.7	4.1	69.6	0.7	0.2	3.2	65.2	73.9
Canada	3200	3.0	2.7	3.2	78.3	12.0	0.8	78.3	0.0	0.1	0.7	74.8	82.4
Cyprus	1243	8.6	9.5	3.7	41.3	29.7	7.2	41.3	0.1	0.3	6.9	40.0	42.6
Czech Republic	1231	1.8	2.2	2.7	79.6	11.0	2.7	79.6	0.6	0.2	1.9	77.8	81.6
England	1171	5.1	7.3	3.9	62.3	18.3	3.0	62.3	0.0	0.1	2.9	56.7	67.4
Greece	1137	6.1	6.5	2.8	39.9	36.5	8.2	39.9	0.5	0.6	7.1	40.5	39.2
Hong Kong	1633	2.0	1.5	1.3	83.4	10.9	0.9	83.4	0.1	0.0	0.8	82.7	84.1
Hungary	1141	1.4	2.3	1.3	83.5	8.1	3.5	83.5	0.0	0.9	2.5	82.1	85.7
Iceland	663	5.2	15.3	12.9	38.6	22.1	5.9	38.6	0.0	1.4	4.5	38.4	38.9
Iran, Islamic Rep.	1278	12.3	14.9	7.9	11.7	35.4	17.8	11.7	0.5	0.3	17.0	10.2	13.2
Ireland	1085	3.6	2.7	0.9	81.6	9.9	1.4	81.6	0.3	0.3	0.8	77.4	85.8
Israel	915	3.7	9.9	2.3	60.3	20.3	3.5	60.3	0.1	1.1	2.3	55.9	65.1
Japan	1619	1.7	2.5	3.1	86.5	5.9	0.3	86.5	0.1	0.0	0.2	86.4	86.5
Korea	1061	0.7	0.1	0.9	95.1	3.2	0.1	95.1	0.0	0.0	0.1	94.9	95.4
Kuwait	1602	8.2	17.1	5.4	33.6	29.6	6.1	33.6	0.0	1.7	4.4	28.4	38.5
Latvia (LSS)	835	3.8	6.8	3.5	55.5	21.3	9.0	55.5	0.0	0.6	8.4	54.9	56.0
Netherlands	932	1.9	3.6	2.3	78.7	11.7	1.8	78.7	1.6	0.0	0.2	75.6	81.5
New Zealand	912	3.3	7.5	3.4	69.1	14.6	2.0	69.1	0.0	0.6	1.4	68.3	69.9
Norway	834	3.3	6.1	5.6	62.7	16.8	5.5	62.7	0.7	1.1	3.6	57.0	66.5
Portugal	1075	3.6	4.9	3.4	55.2	23.0	9.9	55.2	0.0	1.8	8.1	50.9	59.1
Scotland	1245	3.2	4.6	2.8	72.7	14.9	1.9	72.7	0.3	0.2	1.4	70.7	74.8
Singapore	2681	2.0	2.6	3.3	82.1	9.5	0.4	82.1	0.0	0.0	0.4	83.4	80.9
Slovenia	974	4.2	5.8	2.5	65.4	19.2	2.8	65.4	0.1	0.1	2.6	61.0	70.4
Thailand	1196	6.8	9.5	3.0	45.6	34.4	0.6	45.6	0.0	0.0	0.6	45.5	45.8
United States	2738	1.8	3.7	2.4	81.5	9.5	1.1	81.5	0.0	0.1	1.1	79.4	83.8
INTERNATIONAL AVG	.	3.9	6.1	3.4	65.1	17.6	3.9	65.1	0.2	0.5	3.2	62.9	67.3

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: E04 KEY: C
 Which of the following numbers means 7/10? (Fractions and Proportionality)
 Difficulty: 650

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2432	30.6	10.1	47.0	10.9	1.3	47.0	0.0	0.3	1.0	44.9	49.2
Austria	998	65.4	8.2	14.5	7.7	4.2	14.5	0.4	0.2	3.7	12.4	16.5
Canada	3200	32.0	12.6	42.9	11.1	1.4	42.9	0.0	0.1	1.3	45.0	40.7
Cyprus	1243	26.5	9.3	56.5	4.2	3.6	56.5	0.6	0.3	2.8	59.7	53.7
Czech Republic	1231	71.1	9.3	13.3	2.8	3.6	13.3	0.4	0.3	2.9	13.8	12.7
England	1171	45.0	12.8	25.4	13.6	3.1	25.4	0.0	0.1	3.0	24.0	26.7
Greece	1137	42.9	18.2	27.4	3.7	7.7	27.4	0.1	0.6	7.0	26.3	28.7
Hong Kong	1632	5.5	5.0	85.3	3.1	1.0	85.3	0.1	0.0	0.9	86.1	84.7
Hungary	1141	56.5	17.6	16.0	5.0	5.0	16.0	0.0	1.0	4.0	16.1	15.9
Iceland	663	56.4	14.0	15.9	9.2	4.5	15.9	0.0	1.5	3.0	14.1	18.2
Iran, Islamic Rep.	1278	20.2	9.2	60.1	6.3	4.1	60.1	0.3	0.6	3.2	59.4	60.8
Ireland	1085	27.6	5.7	57.0	8.7	1.0	57.0	0.0	0.3	0.8	58.1	55.9
Israel	915	42.2	19.3	22.9	7.8	7.8	22.9	0.1	1.3	6.4	19.4	24.6
Japan	1619	15.2	14.9	65.3	3.9	0.7	65.3	0.0	0.0	0.7	62.6	67.9
Korea	1061	6.3	6.0	81.1	6.6	0.1	81.1	0.0	0.0	0.1	79.3	82.7
Kuwait	1595	48.1	14.3	19.2	8.9	9.4	19.2	0.0	1.9	7.5	15.3	22.9
Latvia (LSS)	834	60.9	11.6	16.9	4.0	6.6	16.9	0.0	0.7	5.9	15.7	18.1
Netherlands	932	42.4	6.1	34.7	15.3	1.6	34.7	1.2	0.0	0.4	33.4	35.9
New Zealand	912	41.7	13.2	32.3	9.6	3.2	32.3	0.0	0.7	2.5	32.6	32.0
Norway	834	56.9	11.5	15.0	10.2	6.4	15.0	0.4	1.4	4.6	11.6	17.2
Portugal	1075	37.8	15.6	33.0	4.8	8.9	33.0	0.0	2.6	6.3	32.6	33.3
Scotland	1245	44.6	12.0	31.3	9.1	3.0	31.3	0.2	0.3	2.5	29.4	33.5
Singapore	2681	2.6	1.3	92.2	3.5	0.4	92.2	0.0	0.0	0.4	94.2	90.3
Slovenia	974	81.6	9.8	3.8	3.0	1.8	3.8	0.1	0.1	1.5	2.7	5.2
Thailand	1196	29.2	22.4	37.5	10.3	0.6	37.5	0.0	0.1	0.5	39.4	35.8
United States	2738	32.7	8.2	43.8	13.2	2.0	43.8	0.0	0.1	2.0	43.9	43.7
INTERNATIONAL AVG	.	39.3	11.5	38.1	7.6	3.6	38.1	0.1	0.6	2.9	37.4	38.7

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

Item: F05 KEY: B
 Shown temperature chart, when was the highest temperature recorded? (Data Rep., Analysis and Probability)
 Difficulty: 488

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2442	10.9	81.5	2.2	3.1	2.4	81.5	0.0	0.0	2.4	82.2	80.7
Austria	985	8.5	82.0	2.2	4.6	2.6	82.0	1.1	0.2	1.4	79.8	83.7
Canada	3172	13.2	79.2	3.1	2.3	2.1	79.2	0.2	0.1	1.9	79.8	78.4
Cyprus	1232	19.3	67.6	4.1	5.4	3.7	67.6	0.3	0.5	2.8	70.7	64.5
Czech Republic	1224	9.7	76.6	1.5	5.7	6.5	76.6	3.3	0.2	3.0	76.9	76.3
England	1160	14.6	77.4	2.8	4.0	1.2	77.4	0.0	0.2	1.0	77.6	77.2
Greece	1137	21.4	54.4	9.0	5.9	9.3	54.4	0.5	0.7	8.0	51.8	57.2
Hong Kong	1657	14.5	78.4	2.5	3.3	1.3	78.4	0.2	0.1	1.1	79.8	77.2
Hungary	1124	10.9	80.7	2.0	3.3	3.2	80.7	0.0	1.2	1.9	84.1	77.5
Iceland	671	15.8	69.4	4.4	6.3	4.1	69.4	0.0	1.5	2.6	72.0	66.5
Iran, Islamic Rep.	1264	23.3	33.7	13.6	18.8	10.6	33.7	1.2	0.5	8.8	32.7	34.7
Ireland	1069	11.7	78.4	4.3	3.7	1.9	78.4	1.1	0.1	0.8	77.7	79.1
Israel	889	11.1	74.4	4.4	6.1	4.0	74.4	0.2	1.4	2.4	75.8	75.5
Japan	1621	9.5	88.1	1.3	0.6	0.4	88.1	0.1	0.2	0.1	89.0	87.2
Korea	1061	10.1	87.5	0.9	1.6	0.0	87.5	0.0	0.0	0.0	85.8	89.0
Kuwait	1616	20.8	45.6	12.5	13.8	7.4	45.6	0.1	0.9	6.4	44.9	46.3
Latvia (LSS)	840	13.2	58.6	4.9	16.5	6.9	58.6	0.0	0.7	6.2	59.7	57.5
Netherlands	936	8.4	84.5	2.7	3.6	0.8	84.5	0.6	0.0	0.2	84.9	84.6
New Zealand	917	16.6	72.8	4.2	4.5	1.9	72.8	0.0	0.4	1.5	74.4	71.1
Norway	848	9.8	75.1	5.0	6.2	3.9	75.1	0.4	0.7	2.8	77.5	73.3
Portugal	1070	29.9	46.5	4.0	10.8	8.7	46.5	0.0	1.9	6.8	45.1	47.9
Scotland	1223	13.3	76.5	3.7	4.8	1.7	76.5	0.1	0.2	1.3	76.8	76.2
Singapore	2693	17.8	74.8	3.5	3.1	0.7	74.8	0.0	0.0	0.7	74.7	75.0
Slovenia	935	14.5	76.4	3.6	3.6	1.9	76.4	0.4	0.1	1.4	76.7	76.9
Thailand	1161	17.1	51.4	9.8	20.3	1.3	51.4	0.0	0.0	1.3	50.0	52.8
United States	2733	13.4	80.8	3.0	1.4	1.4	80.8	0.0	0.1	1.3	81.4	80.2
INTERNATIONAL AVG	.	14.6	71.2	4.4	6.3	3.5	71.2	0.4	0.5	2.6	71.6	71.0

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

Item: F06 KEY: D
 Janis ate 1/2 cake, Maija ate 1/4, mother ate 1/4, how much remains? (Fractions and Proportionality)
 Difficulty: 521

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2442	9.4	10.0	9.0	70.6	1.1	70.6	0.0	0.1	1.0	71.9	69.2
Austria	985	4.5	6.9	6.3	80.5	1.8	80.5	0.3	0.2	1.3	80.5	80.2
Canada	3172	16.2	14.4	11.5	56.2	1.6	56.2	0.0	0.1	1.5	55.5	56.3
Cyprus	1232	21.6	12.7	8.1	52.3	5.3	52.3	0.1	0.6	4.6	51.7	53.1
Czech Republic	1224	5.4	7.7	7.2	76.3	3.4	76.3	0.2	0.3	2.9	76.7	75.9
England	1160	6.9	11.6	5.8	74.2	1.6	74.2	0.0	0.3	1.3	74.7	73.6
Greece	1137	17.2	13.1	9.7	47.8	12.2	47.8	0.2	0.8	11.2	50.7	44.8
Hong Kong	1657	5.3	6.1	10.5	77.3	0.8	77.3	0.1	0.1	0.7	77.4	77.3
Hungary	1124	9.1	12.3	8.3	64.9	5.3	64.9	0.0	1.4	4.0	62.6	66.8
Iceland	671	10.2	23.0	7.8	55.2	3.8	55.2	0.0	2.0	1.8	57.7	52.5
Iran, Islamic Rep.	1264	18.8	18.9	9.1	42.6	10.5	42.6	0.6	0.7	9.2	43.7	41.6
Ireland	1069	4.3	6.9	6.1	82.0	0.8	82.0	0.1	0.1	0.6	80.7	83.3
Israel	889	14.8	12.7	6.3	61.7	4.4	61.7	0.0	1.7	2.7	63.6	58.9
Japan	1621	12.2	19.6	19.2	48.6	0.5	48.6	0.2	0.2	0.1	49.0	48.2
Korea	1061	18.2	23.3	19.7	38.5	0.3	38.5	0.0	0.0	0.3	35.4	41.6
Kuwait	1617	17.7	15.0	8.6	53.4	5.3	53.4	0.1	1.0	4.3	56.8	50.1
Latvia (LSS)	840	11.9	9.8	7.3	67.7	3.3	67.7	0.0	0.7	2.5	68.3	67.2
Netherlands	936	10.7	16.2	8.5	64.1	0.6	64.1	0.4	0.0	0.2	63.6	64.7
New Zealand	917	10.7	11.1	7.6	68.9	1.7	68.9	0.0	0.7	1.0	70.2	67.6
Norway	848	11.2	22.5	7.9	52.7	5.7	52.7	0.0	1.1	4.6	54.0	52.0
Portugal	1070	10.3	12.5	5.3	58.3	13.5	58.3	0.0	2.0	11.5	59.8	56.7
Scotland	1223	6.0	10.8	8.8	73.2	1.2	73.2	0.0	0.3	0.9	75.4	70.8
Singapore	2694	7.6	7.8	6.1	78.2	0.3	78.2	0.0	0.0	0.3	80.6	76.2
Slovenia	935	7.1	9.8	6.8	74.6	1.7	74.6	0.2	0.1	1.5	73.9	74.6
Thailand	1161	17.9	20.0	10.3	51.0	0.9	51.0	0.0	0.0	0.9	51.1	50.8
United States	2733	13.1	16.3	9.5	59.3	1.8	59.3	0.1	0.1	1.5	61.2	57.3
INTERNATIONAL AVG	.	11.5	13.5	8.9	62.7	3.4	62.7	0.1	0.6	2.8	63.3	62.0

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

Item: F07 KEY: B
 What number equals 3 ones + 5 tens + 4 hundreds + 60 thousands? (Whole Numbers)
 Difficulty: 519

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2442	10.3	65.7	3.6	15.3	4.1	1.0	65.7	0.0	0.1	0.9	63.1	68.3
Austria	986	2.5	81.8	2.2	9.7	2.5	1.3	81.8	0.1	0.3	0.9	79.7	83.5
Canada	3172	10.7	66.9	3.3	14.3	3.5	1.4	66.9	0.0	0.2	1.2	64.1	69.4
Cyprus	1232	10.8	63.5	2.9	16.9	2.5	3.4	63.5	0.3	0.7	2.4	60.3	66.7
Czech Republic	1224	5.3	80.9	1.3	9.4	1.8	1.3	80.9	0.2	0.3	0.8	79.6	82.3
England	1160	13.7	54.4	6.6	11.9	10.7	2.6	54.4	0.0	0.3	2.3	51.5	57.5
Greece	1137	6.9	55.4	2.2	27.2	3.3	4.9	55.4	0.8	0.8	3.3	54.5	56.4
Hong Kong	1657	11.5	54.1	14.2	10.5	7.4	2.3	54.1	0.0	0.1	2.3	49.6	58.4
Hungary	1124	6.5	80.3	1.4	8.2	0.4	3.2	80.3	0.0	1.4	1.8	81.8	79.0
Iceland	671	12.8	64.6	5.6	7.1	5.1	4.8	64.6	0.6	2.1	2.1	60.5	68.9
Iran, Islamic Rep.	1264	21.8	58.6	5.0	6.0	2.9	5.7	58.6	1.1	0.8	3.8	57.2	60.0
Ireland	1069	10.2	58.3	3.6	23.7	3.5	0.7	58.3	0.2	0.1	0.5	58.1	58.6
Israel	889	16.0	76.5	1.8	2.5	1.0	2.3	76.5	0.2	1.7	0.3	74.6	79.8
Japan	1621	11.3	81.1	1.7	4.4	1.0	0.5	81.1	0.0	0.2	0.3	78.7	83.4
Korea	1061	13.4	76.6	1.9	7.3	0.8	0.0	76.6	0.0	0.0	0.0	71.7	81.3
Kuwait	1623	19.9	61.0	5.2	5.3	4.8	3.6	61.0	0.1	1.3	2.3	65.0	57.2
Latvia (LSS)	840	4.6	75.2	1.9	13.3	3.5	1.5	75.2	0.0	0.8	0.7	76.6	73.9
Netherlands	936	5.6	79.5	2.3	8.0	3.5	1.1	79.5	0.8	0.0	0.3	79.9	79.3
New Zealand	917	13.7	57.7	4.5	14.3	7.9	1.8	57.7	0.0	0.7	1.1	55.6	59.8
Norway	848	7.8	65.1	6.2	11.9	5.3	3.6	65.1	0.2	1.3	2.1	64.4	65.9
Portugal	1070	9.6	43.4	3.1	34.1	3.2	6.5	43.4	0.0	2.6	4.0	44.0	42.8
Scotland	1223	16.7	52.8	5.1	15.6	8.0	1.7	52.8	0.1	0.3	1.3	52.5	53.1
Singapore	2694	2.5	85.2	2.1	8.1	1.8	0.2	85.2	0.0	0.0	0.2	85.8	84.7
Slovenia	935	9.3	69.8	3.2	14.9	1.4	1.3	69.8	0.1	0.1	1.1	70.7	69.3
Thailand	1161	17.7	59.5	6.1	12.2	3.5	1.0	59.5	0.0	0.0	1.0	62.8	55.9
United States	2733	7.6	74.8	2.2	11.2	2.5	1.6	74.8	0.0	0.2	1.5	74.2	75.4
INTERNATIONAL AVG	.	10.7	67.0	3.8	12.4	3.7	2.3	67.0	0.2	0.6	1.5	66.0	68.1

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

Item: F08 KEY: C
 Which units would be best to measure the weight (mass) of an egg? (Measurement, Estimation, & Number Sense)
 Difficulty: 515

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2442	9.4	5.4	67.8	16.3	1.0	67.8	0.0	0.2	0.9	65.3	70.3
Austria	986	7.3	6.2	67.5	15.3	3.7	67.5	1.6	0.3	1.8	68.1	67.2
Canada	3172	25.3	7.5	51.3	13.9	2.0	51.3	0.5	0.2	1.3	50.4	51.3
Cyprus	1232	8.2	5.5	75.9	7.2	3.3	75.9	0.0	1.0	2.3	76.7	75.1
Czech Republic	1224	12.1	6.1	70.3	9.6	1.9	70.3	0.1	0.4	1.4	66.4	74.4
England	1160	9.7	6.9	62.0	19.9	1.6	62.0	0.0	0.4	1.2	57.3	66.8
Greece	1137	7.3	4.4	66.1	15.9	6.3	66.1	0.4	0.9	5.0	62.8	69.5
Hong Kong	1657	7.2	8.3	77.5	6.4	0.6	77.5	0.1	0.1	0.4	75.5	79.4
Hungary	1124	8.3	4.8	72.5	9.6	4.8	72.5	0.0	1.7	3.0	69.7	75.5
Iceland	671	10.1	7.1	52.8	24.2	5.7	52.8	0.2	2.8	2.8	50.4	55.5
Iran, Islamic Rep.	1264	9.2	12.4	44.5	30.4	3.5	44.5	0.8	0.9	1.7	38.4	50.2
Ireland	1069	10.5	7.1	58.4	23.3	0.7	58.4	0.0	0.1	0.7	55.9	60.7
Israel	889	13.0	10.0	55.4	17.2	4.5	55.4	0.2	1.7	2.6	50.4	61.3
Japan	1621	2.7	2.4	88.0	6.5	0.4	88.0	0.0	0.2	0.1	89.5	86.6
Korea	1061	3.6	3.0	82.5	11.0	0.0	82.5	0.0	0.0	0.0	81.4	83.5
Kuwait	1616	18.6	15.6	37.8	23.7	4.3	37.8	0.1	1.3	3.0	37.6	38.0
Latvia (LSS)	840	9.1	2.9	71.0	13.5	3.4	71.0	0.0	1.1	2.3	71.4	70.8
Netherlands	936	2.3	5.5	85.7	5.7	0.8	85.7	0.4	0.0	0.4	81.0	90.9
New Zealand	917	10.1	7.5	55.8	24.7	1.8	55.8	0.0	0.9	0.9	54.9	56.8
Norway	848	7.4	6.1	68.4	14.3	3.7	68.4	0.0	1.6	2.1	66.4	70.4
Portugal	1070	4.8	5.7	61.4	20.5	7.6	61.4	0.0	3.1	4.5	62.1	60.9
Scotland	1223	13.5	7.3	57.4	19.9	2.0	57.4	0.0	0.4	1.6	57.9	57.0
Singapore	2694	6.2	2.8	75.8	14.8	0.4	75.8	0.0	0.0	0.4	76.4	75.2
Slovenia	935	4.2	3.6	79.5	11.4	1.3	79.5	0.2	0.1	1.0	77.1	82.5
Thailand	1161	5.4	8.7	52.7	32.2	1.1	52.7	0.0	0.0	1.1	49.5	55.9
United States	2733	16.4	10.4	57.5	13.4	2.3	57.5	0.1	0.2	2.0	54.6	60.4
INTERNATIONAL AVG	.	9.3	6.7	65.2	16.2	2.6	65.2	0.2	0.7	1.7	63.3	67.2

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

Item: F09 KEY: A
 Which of the following must be true of a triangle? (Geometry)
 Difficulty: 474

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2442	76.3	6.0	9.6	5.9	2.3	76.3	0.0	0.2	2.1	76.2	76.4
Austria	986	71.0	8.7	8.4	7.5	4.4	71.0	1.5	0.3	2.6	68.7	72.7
Canada	3172	67.9	8.9	10.8	8.4	3.9	67.9	2.2	0.2	1.6	65.2	69.6
Cyprus	1232	60.5	10.2	11.7	13.5	4.2	60.5	0.6	1.0	2.6	56.3	64.9
Czech Republic	1224	71.3	6.3	12.2	5.7	4.4	71.3	2.6	0.4	1.4	71.9	70.7
England	1160	72.9	9.0	7.8	5.9	4.4	72.9	0.0	0.5	3.8	73.7	72.0
Greece	1137	62.5	6.5	11.4	11.7	7.9	62.5	0.8	1.0	6.1	64.9	60.1
Hong Kong	1657	74.7	6.2	10.7	6.7	1.7	74.7	0.9	0.1	0.7	76.9	72.7
Hungary	1124	56.0	7.8	8.4	15.5	12.3	56.0	0.0	2.2	10.1	55.5	56.5
Iceland	671	70.2	7.2	7.0	10.4	5.2	70.2	0.7	2.9	1.6	73.2	66.9
Iran, Islamic Rep.	1264	66.1	10.3	7.3	9.7	6.6	66.1	1.1	1.0	4.5	68.0	64.3
Ireland	1069	74.6	5.6	8.6	9.0	2.2	74.6	0.8	0.2	1.2	75.4	73.8
Israel	889	81.1	3.6	7.3	4.0	4.0	81.1	1.0	2.1	0.9	82.0	79.9
Japan	1621	71.1	7.4	10.0	6.0	5.5	71.1	4.6	0.2	0.6	71.0	71.3
Korea	1061	89.6	3.1	3.0	4.2	0.1	89.6	0.0	0.0	0.1	88.3	90.8
Kuwait	1616	52.0	14.1	16.1	12.3	5.6	52.0	0.1	1.4	4.1	57.0	47.1
Latvia (LSS)	840	74.2	4.8	11.3	6.6	3.1	74.2	0.0	1.4	1.8	79.4	69.4
Netherlands	936	80.0	3.1	6.8	7.6	2.5	80.0	2.1	0.0	0.4	79.0	80.7
New Zealand	917	71.4	7.8	9.0	8.6	3.2	71.4	0.0	0.9	2.3	71.6	71.2
Norway	848	72.8	4.2	10.9	7.4	4.8	72.8	0.2	1.6	3.1	77.4	68.3
Portugal	1070	71.5	3.7	8.9	7.1	8.8	71.5	0.0	3.6	5.1	75.7	67.2
Scotland	1223	70.8	7.1	10.6	8.0	3.4	70.8	2.0	0.5	1.0	71.2	70.4
Singapore	2694	81.1	6.6	6.1	4.8	1.3	81.1	0.0	0.0	1.3	83.6	79.0
Slovenia	935	77.5	4.1	8.3	7.5	2.6	77.5	1.4	0.1	1.2	78.2	76.9
Thailand	1161	57.4	7.3	15.3	18.4	1.6	57.4	0.0	0.0	1.6	58.7	55.9
United States	2733	72.5	7.8	9.1	7.2	3.4	72.5	0.4	0.2	2.8	74.9	70.0
INTERNATIONAL AVG	.	71.0	6.8	9.5	8.4	4.2	71.0	0.9	0.8	2.5	72.1	69.9

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

Item: G01 KEY: C
 Given map and legend, how far apart are two cities? (Fractions and Proportionality)
 Difficulty: 628

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2447	18.0	28.6	43.1	9.1	1.2	43.1	0.0	0.1	1.1	40.2	45.7
Austria	978	17.2	19.0	55.1	5.7	2.9	55.1	0.5	0.0	2.4	49.4	60.2
Canada	3165	21.3	27.8	41.1	9.0	0.9	41.1	0.1	0.2	0.6	35.9	46.1
Cyprus	1262	36.5	25.6	29.7	5.7	2.6	29.7	0.3	0.3	2.0	25.4	33.7
Czech Republic	1213	15.4	14.4	63.5	4.4	2.2	63.5	0.7	0.1	1.4	60.7	66.6
England	1163	21.7	31.4	36.9	7.9	2.1	36.9	0.0	0.1	2.0	34.0	39.9
Greece	1155	16.2	26.0	38.8	11.6	7.5	38.8	0.3	0.5	6.8	37.7	39.8
Hong Kong	1660	18.1	25.8	50.8	4.8	0.5	50.8	0.1	0.0	0.4	48.7	52.7
Hungary	1134	16.0	21.8	49.5	9.3	3.3	49.5	0.0	0.3	3.0	46.4	53.0
Iceland	662	20.7	30.7	36.3	9.0	3.3	36.3	0.0	0.8	2.5	35.2	37.3
Iran, Islamic Rep.	1263	33.3	28.0	16.9	12.2	9.6	16.9	1.4	0.3	7.9	13.0	20.4
Ireland	1103	23.0	29.0	39.7	7.5	0.9	39.7	0.2	0.0	0.6	34.6	44.8
Israel	924	28.3	30.3	30.7	6.5	4.2	30.7	0.1	0.1	4.0	24.8	36.3
Japan	1617	9.2	31.9	54.7	3.2	1.0	54.7	0.3	0.0	0.7	50.4	59.2
Korea	1047	9.5	38.0	46.9	5.0	0.6	46.9	0.0	0.0	0.6	45.7	48.0
Kuwait	1596	24.7	26.7	26.5	15.1	6.9	26.5	0.0	0.4	6.5	24.8	28.2
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Netherlands	951	14.1	23.4	54.9	7.0	0.6	54.9	0.6	0.0	0.0	49.6	59.9
New Zealand	914	22.2	28.6	38.1	8.7	2.3	38.1	0.0	0.3	2.1	33.1	42.8
Norway	850	23.2	20.5	44.8	8.1	3.4	44.8	0.1	0.7	2.6	39.5	49.9
Portugal	1085	21.2	29.1	28.6	11.2	9.9	28.6	0.0	0.9	9.0	23.7	33.4
Scotland	1240	22.4	31.9	36.0	8.6	1.0	36.0	0.0	0.2	0.7	31.7	40.0
Singapore	2682	16.7	28.3	48.8	5.8	0.4	48.8	0.0	0.0	0.4	43.4	53.6
Slovenia	953	17.3	23.9	48.9	8.4	1.5	48.9	0.1	0.3	1.2	43.0	55.1
Thailand	1112	47.1	20.6	26.5	5.1	0.7	26.5	0.0	0.0	0.7	25.9	26.8
United States	2735	24.7	35.7	31.7	7.0	0.9	31.7	0.0	0.0	0.9	29.3	34.2
INTERNATIONAL AVG	.	21.5	27.1	40.7	7.8	2.8	40.7	0.2	0.2	2.4	37.0	44.3

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

Item: G02 KEY: C

Which of the following could be the weight (mass) of an adult? (Measurement, Estimation, & Number Sense)

Difficulty: 471

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2447	1.6	10.7	78.4	8.1	1.3	78.4	0.0	0.3	1.0	75.6	81.0
Austria	978	1.2	2.6	94.2	1.0	1.0	94.2	0.1	0.0	0.9	93.5	94.6
Canada	3165	2.4	9.7	54.5	32.0	1.3	54.5	0.0	0.2	1.1	57.5	52.4
Cyprus	1262	6.0	15.6	65.6	8.9	4.0	65.6	0.0	0.4	3.6	67.2	64.3
Czech Republic	1213	0.4	2.3	93.3	3.3	0.7	93.3	0.1	0.1	0.5	93.6	92.9
England	1163	4.0	24.6	50.1	19.6	1.7	50.1	0.0	0.1	1.6	47.2	53.2
Greece	1155	1.4	3.6	81.0	10.6	3.4	81.0	0.4	0.8	2.3	80.2	81.9
Hong Kong	1660	3.0	8.2	78.9	9.6	0.3	78.9	0.1	0.0	0.3	79.1	79.1
Hungary	1134	1.4	2.4	91.2	3.3	1.8	91.2	0.0	0.9	0.9	90.1	92.7
Iceland	662	1.4	5.7	80.2	9.1	3.5	80.2	0.0	1.3	2.2	82.0	78.4
Iran, Islamic Rep.	1263	10.3	14.3	51.4	18.5	5.5	51.4	0.3	0.5	4.7	46.8	55.7
Ireland	1103	2.5	19.4	53.9	23.3	0.9	53.9	0.1	0.2	0.6	53.6	54.3
Israel	924	1.6	4.5	87.2	4.2	2.6	87.2	0.0	0.6	2.0	86.1	88.6
Japan	1617	0.6	1.5	94.9	2.8	0.1	94.9	0.0	0.1	0.1	95.5	94.4
Korea	1047	3.3	2.3	90.1	4.2	0.2	90.1	0.0	0.0	0.2	91.1	89.0
Kuwait	1602	2.8	15.6	64.8	9.9	6.9	64.8	0.0	0.5	6.4	69.4	60.3
Latvia (LSS)	.	.	.	.	.	.	.	.	.	.	.	.
Netherlands	951	1.6	3.6	89.1	5.1	0.6	89.1	0.6	0.0	0.0	86.7	91.2
New Zealand	914	2.6	15.4	68.1	12.1	1.8	68.1	0.0	0.6	1.2	69.0	67.2
Norway	850	0.8	1.9	90.1	4.6	2.6	90.1	0.1	0.9	1.6	88.1	91.1
Portugal	1085	8.1	7.8	71.9	6.7	5.5	71.9	0.0	1.3	4.2	69.8	74.0
Scotland	1240	3.3	24.3	50.3	20.8	1.3	50.3	0.2	0.2	0.9	50.7	49.7
Singapore	2682	3.9	7.7	83.1	5.1	0.2	83.1	0.0	0.0	0.1	84.0	82.3
Slovenia	952	5.3	10.6	78.3	3.9	1.8	78.3	0.0	0.3	1.5	77.7	79.0
Thailand	1112	4.4	9.1	79.7	6.1	0.6	79.7	0.1	0.0	0.5	82.1	77.1
United States	2735	7.3	15.9	47.5	27.9	1.3	47.5	0.0	0.0	1.3	47.3	47.7
INTERNATIONAL AVG	.	3.3	9.6	74.7	10.4	2.0	74.7	0.1	0.4	1.6	74.6	74.9

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: G03 KEY: B
 Which of the following is a name for 9740? (Whole Numbers)
 Difficulty: 350

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2447	1.8	93.6	2.5	1.5	0.6	93.6	0.0	0.3	0.4	94.0	93.2
Austria	978	0.8	95.2	2.6	0.3	1.1	95.2	0.0	0.0	1.1	96.9	93.9
Canada	3165	3.7	88.7	4.2	1.9	1.4	88.7	0.7	0.2	0.6	88.1	90.0
Cyprus	1264	1.5	88.5	6.1	2.4	1.5	88.5	0.1	0.5	0.9	89.5	87.6
Czech Republic	1213	1.0	96.3	0.7	1.4	0.6	96.3	0.1	0.1	0.4	96.3	96.3
England	1163	4.2	86.1	4.6	4.3	0.8	86.1	0.0	0.1	0.7	86.3	85.9
Greece	1155	1.7	92.4	2.0	1.7	2.2	92.4	0.1	0.8	1.2	92.8	92.0
Hong Kong	1660	1.1	96.4	1.8	0.4	0.3	96.4	0.0	0.0	0.3	97.0	95.8
Hungary	1134	1.6	94.9	0.8	0.8	1.9	94.9	0.0	0.9	0.9	96.0	93.7
Iceland	662	5.4	86.2	4.0	2.1	2.3	86.2	0.0	1.3	0.9	84.7	87.7
Iran, Islamic Rep.	1263	4.8	81.0	2.9	7.4	3.9	81.0	0.9	0.5	2.6	83.3	78.8
Ireland	1103	2.1	93.1	2.7	1.5	0.7	93.1	0.2	0.2	0.3	95.3	90.8
Israel	924	1.5	95.3	1.1	0.7	1.4	95.3	0.0	0.6	0.8	95.2	96.5
Japan	.	.	.	.	.	.	.	.	.	.	.	.
Korea	1047	0.3	98.9	0.4	0.1	0.3	98.9	0.0	0.0	0.3	98.7	99.1
Kuwait	1595	5.5	76.6	8.1	5.3	4.5	76.6	0.0	0.6	3.9	82.7	70.8
Latvia (LSS)	828	1.3	93.9	2.5	1.3	1.0	93.9	0.0	0.0	1.0	94.7	93.1
Netherlands	951	1.0	94.1	2.7	2.0	0.2	94.1	0.2	0.0	0.0	94.7	93.7
New Zealand	914	4.8	85.0	4.4	4.2	1.6	85.0	0.0	0.6	1.0	86.0	84.0
Norway	850	1.4	92.0	1.6	2.1	2.8	92.0	0.0	1.0	1.9	93.2	90.6
Portugal	1085	2.0	88.2	3.4	3.4	3.0	88.2	0.0	1.6	1.3	86.1	90.4
Scotland	1240	3.0	88.0	4.2	2.7	2.1	88.0	0.2	0.2	1.7	88.2	87.9
Singapore	2682	0.6	96.5	1.8	0.6	0.5	96.5	0.0	0.0	0.4	97.6	95.5
Slovenia	952	3.1	87.2	4.7	3.6	1.4	87.2	0.0	0.3	1.1	88.1	86.4
Thailand	1112	1.3	94.6	2.6	1.2	0.4	94.6	0.1	0.0	0.3	95.0	94.1
United States	2735	2.6	92.4	3.3	1.1	0.6	92.4	0.0	0.0	0.5	92.9	91.7
INTERNATIONAL AVG	.	2.3	91.0	3.0	2.2	1.5	91.0	0.1	0.4	1.0	91.7	90.4

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

Item: G04 KEY: B
 Given symbol for number of magazines read in a week, select expression for number read in 6 weeks. (Patterns, Relations and Functions)
 Difficulty: 575

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2447	13.7	55.2	7.7	14.9	8.6	55.2	0.0	0.3	8.3	52.8	57.5
Austria	978	8.9	64.5	5.9	8.6	12.0	64.5	0.1	0.0	11.9	64.4	65.2
Canada	3165	12.1	50.6	10.6	21.0	5.7	50.6	0.3	0.2	5.2	49.0	51.6
Cyprus	1264	11.1	58.3	7.9	13.6	9.0	58.3	0.1	0.5	8.5	58.5	58.3
Czech Republic	1213	11.0	58.0	4.2	14.2	12.6	58.0	2.6	0.1	9.9	58.3	57.7
England	1163	12.1	44.5	11.9	22.8	8.6	44.5	0.0	0.1	8.6	42.6	46.4
Greece	1155	7.3	45.2	8.8	18.3	20.4	45.2	0.5	0.8	19.1	46.4	44.0
Hong Kong	1660	4.5	67.0	3.9	13.3	11.3	67.0	0.0	0.0	11.3	72.1	62.8
Hungary	1134	13.2	58.4	8.0	13.2	7.2	58.4	0.0	1.1	6.1	60.0	57.4
Iceland	662	23.2	35.0	13.3	17.1	11.5	35.0	0.0	1.5	10.0	34.4	35.5
Iran, Islamic Rep.	1263	13.2	35.5	8.5	25.9	16.8	35.5	0.1	0.5	16.2	33.9	37.0
Ireland	1103	8.0	59.0	7.3	16.0	9.7	59.0	2.6	0.2	7.0	60.7	57.2
Israel	924	10.5	58.4	7.4	11.9	11.8	58.4	0.2	0.6	11.0	57.9	60.5
Japan	1617	4.4	74.4	3.7	16.4	1.0	74.4	0.1	0.1	0.9	73.5	75.3
Korea	1047	3.1	71.9	3.9	20.1	1.1	71.9	0.0	0.0	1.1	71.7	72.0
Kuwait	1564	14.2	28.7	10.1	18.4	28.6	28.7	0.0	0.6	28.0	27.8	29.7
Latvia (LSS)	828	10.0	52.5	4.8	17.1	15.6	52.5	0.0	0.2	15.4	54.2	50.8
Netherlands	951	11.8	59.9	11.0	14.3	3.0	59.9	2.9	0.0	0.1	63.4	56.2
New Zealand	914	12.5	45.8	12.3	21.8	7.7	45.8	0.0	0.6	7.1	45.1	46.4
Norway	850	15.8	40.4	14.3	15.8	13.6	40.4	0.1	1.1	12.4	35.6	43.4
Portugal	1085	11.6	41.5	7.5	13.0	26.2	41.5	0.0	1.7	24.6	40.9	42.0
Scotland	1240	11.4	47.6	11.4	21.4	8.1	47.6	0.1	1.5	6.6	48.7	46.4
Singapore	2682	4.1	77.2	4.1	12.3	2.3	77.2	0.0	0.0	2.2	77.3	77.0
Slovenia	952	8.5	57.1	6.4	10.0	18.1	57.1	1.1	0.3	16.7	55.9	58.2
Thailand	1112	12.5	48.8	12.5	22.0	4.2	48.8	0.0	0.0	4.2	50.5	46.9
United States	2735	13.0	62.5	6.6	14.6	3.2	62.5	0.1	0.0	3.1	63.0	62.0
INTERNATIONAL AVG	.	10.8	53.8	8.2	16.5	10.7	53.8	0.4	0.5	9.8	53.8	53.8

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

Item: H05 KEY: A
 Shown diagram of a figure made of blocks, which of the following could be the figure after it is turned? (Geometry)
 Difficulty: 580

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2437	46.0	21.8	25.9	3.8	2.5	46.0	0.0	0.0	2.5	46.9	45.2
Austria	1003	57.8	15.8	15.7	3.2	7.6	57.8	3.6	0.1	3.8	57.0	58.7
Canada	3141	45.1	19.2	28.3	4.5	2.9	45.1	1.3	0.1	1.6	46.0	43.7
Cyprus	1275	34.5	24.3	26.8	9.2	5.3	34.5	0.4	0.6	4.3	37.5	31.5
Czech Republic	1232	57.5	20.5	16.8	2.0	3.3	57.5	2.0	0.3	1.0	54.1	61.2
England	1167	51.5	17.8	22.0	5.2	3.6	51.5	0.0	0.2	3.4	50.0	53.0
Greece	1121	60.1	17.4	13.2	2.7	6.7	60.1	0.5	0.4	5.8	62.1	57.9
Hong Kong	1655	44.2	16.8	27.8	8.8	2.4	44.2	1.0	0.0	1.4	36.2	50.8
Hungary	1114	44.6	14.2	19.8	12.6	8.7	44.6	0.0	0.6	8.1	40.7	48.1
Iceland	664	54.5	15.7	21.4	3.0	5.4	54.5	1.5	1.2	2.7	53.6	55.5
Iran, Islamic Rep.	1270	38.1	28.7	24.4	4.0	4.8	38.1	1.1	0.4	3.3	36.8	39.4
Ireland	1071	49.2	22.4	21.0	5.3	2.1	49.2	0.7	0.4	1.0	47.6	50.8
Israel	839	33.1	28.4	24.6	7.8	6.1	33.1	2.2	1.3	2.6	34.9	31.7
Japan	1618	49.9	16.6	31.1	0.8	1.7	49.9	1.1	0.1	0.6	43.9	55.7
Korea	1047	54.5	19.9	23.9	0.8	0.9	54.5	0.0	0.1	0.8	46.5	62.4
Kuwait	1605	29.0	27.6	24.2	9.4	9.8	29.0	0.0	1.2	8.6	29.9	28.1
Latvia (LSS)	829	66.2	13.9	13.4	4.6	2.0	66.2	0.0	0.2	1.8	62.7	69.4
Netherlands	955	46.4	15.7	33.6	2.0	2.2	46.4	2.2	0.0	0.0	41.2	52.5
New Zealand	907	46.7	21.2	26.6	4.4	1.0	46.7	0.0	0.3	0.7	48.1	45.3
Norway	850	63.3	14.2	17.6	1.4	3.4	63.3	0.7	0.6	2.1	66.2	60.5
Portugal	1070	33.3	33.0	22.4	4.4	6.8	33.3	0.0	1.1	5.8	31.1	35.4
Scotland	1238	48.9	20.8	21.9	5.5	2.9	48.9	1.3	0.4	1.2	47.1	50.6
Singapore	2664	48.3	16.9	29.7	4.2	1.0	48.3	0.0	0.0	1.0	46.5	49.9
Slovenia	957	61.2	17.4	18.0	1.5	1.9	61.2	0.9	0.2	0.9	59.2	63.1
Thailand	1063	17.3	31.5	40.4	10.0	0.8	17.3	0.0	0.0	0.8	16.1	18.5
United States	2708	45.4	23.0	25.8	3.9	1.7	45.4	0.4	0.0	1.3	45.8	45.1
INTERNATIONAL AVG	.	47.2	20.6	23.7	4.8	3.8	47.2	0.8	0.4	2.6	45.7	48.6

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

Item: H06 KEY: D
 Shown 6 x 4 rectangle, which of the following expressions gives the perimeter of the rectangle? (Measurement, Estimation, & Number Sense)
 Difficulty: 569

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2437	10.4	22.9	7.6	56.8	2.3	56.8	0.0	0.0	2.3	57.6	55.9
Austria	1003	6.9	19.3	13.1	58.1	2.6	58.1	0.6	0.2	1.8	56.5	58.8
Canada	3141	16.0	22.2	5.6	54.0	2.2	54.0	0.2	0.1	1.8	53.0	53.9
Cyprus	1275	7.1	19.2	9.3	62.3	2.1	62.3	0.2	0.6	1.4	63.6	61.0
Czech Republic	1232	7.9	15.1	12.4	63.4	1.1	63.4	0.4	0.3	0.4	62.0	65.0
England	1167	19.1	28.2	6.8	42.8	3.1	42.8	0.0	0.2	2.9	43.3	42.2
Greece	1121	12.5	26.2	7.8	47.8	5.7	47.8	0.4	0.6	4.7	47.2	48.4
Hong Kong	1655	2.8	10.6	16.7	68.7	1.2	68.7	0.2	0.0	1.0	67.9	69.4
Hungary	1114	10.9	20.5	13.5	51.7	3.4	51.7	0.0	0.8	2.6	50.2	53.4
Iceland	664	31.8	31.9	7.5	22.7	6.1	22.7	0.2	2.1	3.8	22.7	22.8
Iran, Islamic Rep.	1270	17.4	24.2	16.7	38.1	3.6	38.1	0.9	0.5	2.2	33.8	42.2
Ireland	1071	15.3	31.5	11.0	39.7	2.5	39.7	0.6	0.5	1.4	40.8	38.6
Israel	839	15.7	30.5	7.5	42.6	3.8	42.6	0.2	1.3	2.2	41.2	44.9
Japan	1618	3.8	54.3	15.0	26.6	0.3	26.6	0.0	0.1	0.3	25.9	27.3
Korea	1047	2.6	45.7	10.2	41.3	0.2	41.3	0.0	0.1	0.1	37.6	44.9
Kuwait	1605	11.0	24.0	9.0	49.5	6.5	49.5	0.0	1.6	4.8	50.8	48.3
Latvia (LSS)	829	4.9	8.5	9.0	74.7	2.8	74.7	0.0	0.4	2.4	75.9	73.6
Netherlands	955	8.9	35.0	9.7	45.6	0.8	45.6	0.8	0.0	0.0	44.5	47.2
New Zealand	907	25.0	27.9	7.2	36.6	3.3	36.6	0.0	0.4	2.9	36.3	36.9
Norway	850	21.2	15.2	3.3	56.7	3.5	56.7	0.1	0.6	2.8	59.0	55.6
Portugal	1070	11.1	19.4	3.4	61.5	4.6	61.5	0.0	1.3	3.3	61.5	61.4
Scotland	1238	21.4	23.1	7.8	45.3	2.2	45.3	0.2	0.4	1.6	45.1	45.7
Singapore	2664	1.8	6.8	2.4	88.4	0.6	88.4	0.0	0.0	0.6	89.6	87.4
Slovenia	957	7.2	11.7	7.5	71.5	2.1	71.5	0.5	0.3	1.3	71.9	70.7
Thailand	1063	19.0	46.6	4.9	29.3	0.3	29.3	0.0	0.0	0.3	28.1	30.4
United States	2708	15.4	27.6	4.8	50.4	1.7	50.4	0.0	0.0	1.6	47.9	53.2
INTERNATIONAL AVG	.	12.6	24.9	8.8	51.0	2.6	51.0	0.2	0.5	1.9	50.5	51.5

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

Item: H07 KEY: C
 Determine the relative magnitude of three-digit numbers when digits are rearranged. (Whole Numbers)
 Difficulty: 488

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2437	17.0	11.8	54.6	14.2	2.5	54.6	0.0	0.0	2.4	53.3	55.9
Austria	1003	5.9	5.7	79.4	4.4	4.6	79.4	1.3	0.2	3.0	80.2	79.4
Canada	3141	13.1	7.3	71.5	5.8	2.4	71.5	0.8	0.1	1.5	70.1	72.5
Cyprus	1275	7.9	7.1	70.3	9.3	5.4	70.3	1.3	0.6	3.6	67.9	72.7
Czech Republic	1232	5.3	3.9	84.3	2.9	3.6	84.3	1.6	0.3	1.7	84.3	84.2
England	1167	18.5	14.9	36.4	23.8	6.3	36.4	0.0	0.3	6.0	38.3	34.5
Greece	1121	10.4	7.6	66.3	8.6	7.1	66.3	1.7	0.6	4.8	65.8	66.7
Hong Kong	1656	5.8	5.1	79.4	7.8	2.0	79.4	1.0	0.0	1.0	79.7	79.3
Hungary	1114	4.2	4.5	82.6	2.7	6.1	82.6	0.0	1.0	5.1	83.7	81.5
Iceland	664	7.7	8.0	71.4	7.1	5.8	71.4	0.3	3.6	2.0	68.2	74.9
Iran, Islamic Rep.	1270	11.8	8.4	55.7	16.8	7.3	55.7	1.5	0.5	5.4	58.7	52.8
Ireland	1071	10.1	7.3	68.3	11.5	2.8	68.3	0.9	0.6	1.3	66.7	69.9
Israel	839	7.4	5.4	79.9	2.6	4.7	79.9	0.7	1.4	2.5	81.7	77.9
Japan	1618	4.3	5.1	86.7	1.4	2.6	86.7	2.4	0.1	0.2	87.4	85.9
Korea	1047	3.5	3.1	91.8	1.0	0.6	91.8	0.0	0.1	0.5	90.2	93.3
Kuwait	1608	15.7	10.5	57.3	6.7	9.9	57.3	0.0	1.9	8.0	58.3	56.3
Latvia (LSS)	829	6.2	5.8	77.5	6.0	4.5	77.5	0.0	0.7	3.8	79.3	75.8
Netherlands	955	14.5	12.3	57.9	10.5	4.8	57.9	4.7	0.0	0.1	54.9	61.5
New Zealand	907	15.7	12.2	59.8	9.4	2.9	59.8	0.0	0.4	2.4	62.6	57.0
Norway	850	4.9	3.9	81.3	3.8	6.1	81.3	2.2	0.7	3.2	80.7	81.0
Portugal	1070	13.0	8.5	59.6	10.7	8.2	59.6	0.0	1.4	6.7	59.6	59.6
Scotland	1238	18.2	15.1	39.5	20.7	6.5	39.5	0.8	0.4	5.3	39.6	39.2
Singapore	2664	4.3	4.3	88.6	2.4	0.3	88.6	0.0	0.0	0.3	88.3	88.9
Slovenia	957	6.7	3.2	82.9	3.0	4.3	82.9	1.4	0.4	2.5	84.0	81.4
Thailand	1063	11.7	7.9	66.7	13.5	0.2	66.7	0.0	0.0	0.2	66.5	67.0
United States	2708	10.7	7.3	76.9	3.5	1.6	76.9	0.1	0.1	1.4	76.3	77.6
INTERNATIONAL AVG	.	9.8	7.6	70.2	8.1	4.3	70.2	0.9	0.6	2.9	70.2	70.3

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

Item: H08 KEY: A
 Given number pattern, what are the next three numbers? (Patterns, Relations and Functions)
 Difficulty: 497

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2437	83.8	4.1	6.3	2.4	3.4	83.8	0.0	0.2	3.2	84.6	83.1
Austria	1003	58.8	11.0	11.3	5.4	13.4	58.8	0.9	0.3	12.2	63.7	54.8
Canada	3141	82.6	3.5	7.7	3.4	2.7	82.6	0.7	0.1	1.9	83.3	82.7
Cyprus	1275	63.4	6.0	10.5	5.1	14.9	63.4	2.5	0.7	11.8	62.2	64.7
Czech Republic	1232	67.7	5.4	13.2	4.8	9.0	67.7	3.5	0.5	5.0	68.4	66.9
England	1167	77.3	5.3	8.3	4.4	4.8	77.3	0.0	0.3	4.5	77.5	77.0
Greece	1120	44.3	9.3	16.0	7.4	23.1	44.3	1.6	0.8	20.7	46.3	42.1
Hong Kong	1656	80.9	4.2	6.2	3.8	4.8	80.9	0.6	0.0	4.2	83.1	79.4
Hungary	1114	67.2	7.6	10.8	5.4	9.0	67.2	0.0	1.0	8.0	69.7	64.4
Iceland	664	52.3	13.6	15.9	6.3	11.8	52.3	1.3	3.9	6.7	53.9	50.5
Iran, Islamic Rep.	1270	30.4	14.7	17.4	11.6	25.9	30.4	1.9	0.8	23.2	33.3	27.6
Ireland	1071	69.6	5.6	11.5	4.9	8.3	69.6	4.0	0.6	3.7	72.1	67.1
Israel	840	63.5	8.5	14.6	5.3	8.2	63.5	1.8	1.5	4.9	65.3	63.6
Japan	1618	81.6	2.8	6.7	2.0	6.9	81.6	5.6	0.1	1.3	83.8	79.5
Korea	1047	88.8	2.2	6.7	1.8	0.4	88.8	0.0	0.1	0.3	90.5	87.1
Kuwait	1592	41.1	14.2	18.7	11.3	14.7	41.1	0.0	2.1	12.6	42.3	40.0
Latvia (LSS)	829	68.9	4.9	11.3	4.9	9.9	68.9	0.0	0.7	9.2	73.4	64.6
Netherlands	955	59.7	12.3	17.3	6.5	4.1	59.7	4.1	0.0	0.0	62.4	57.5
New Zealand	907	73.6	5.8	10.6	5.8	4.1	73.6	0.0	0.6	3.5	78.2	69.0
Norway	850	49.0	11.1	19.8	6.6	13.5	49.0	1.4	0.7	11.4	53.3	44.0
Portugal	1070	46.5	8.6	16.6	9.9	18.3	46.5	0.0	2.0	16.3	45.3	47.6
Scotland	1238	77.7	5.3	8.9	3.7	4.4	77.7	1.2	0.5	2.7	78.4	77.0
Singapore	2664	91.9	2.2	4.3	1.4	0.3	91.9	0.0	0.0	0.3	93.2	90.7
Slovenia	957	75.4	3.7	11.7	2.3	7.0	75.4	1.3	0.5	5.2	79.7	71.0
Thailand	1063	53.5	11.4	22.0	12.7	0.5	53.5	0.0	0.0	0.5	54.8	52.1
United States	2708	87.0	3.5	5.0	2.4	2.2	87.0	0.2	0.1	1.9	87.5	86.4
INTERNATIONAL AVG	.	66.8	7.2	11.9	5.4	8.7	66.8	1.3	0.7	6.7	68.7	65.0

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

Item: H09 KEY: B
 Which number is equal to eight tens plus nine tens? (Whole Numbers)
 Difficulty: 493

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2437	17.8	67.9	10.5	2.0	1.8	67.9	0.0	0.2	1.5	66.2	69.8
Austria	1003	13.3	75.7	5.7	2.1	3.1	75.7	0.2	0.3	2.7	75.9	76.0
Canada	3141	18.5	64.1	12.0	3.1	2.2	64.1	0.1	0.2	1.9	62.8	64.6
Cyprus	1275	15.9	52.9	15.7	5.9	9.6	52.9	0.7	1.1	7.9	51.2	54.6
Czech Republic	1232	7.2	78.8	7.3	3.8	2.9	78.8	0.6	0.7	1.6	76.6	81.2
England	1167	9.3	73.8	10.8	3.3	2.8	73.8	0.0	0.8	2.0	73.4	74.2
Greece	1121	14.6	46.2	15.2	12.1	11.9	46.2	1.1	1.4	9.5	46.9	45.4
Hong Kong	1656	2.0	80.9	10.2	5.4	1.6	80.9	0.0	0.2	1.3	80.7	81.1
Hungary	1114	8.5	78.1	6.9	2.3	4.2	78.1	0.0	1.6	2.6	78.0	78.6
Iceland	664	26.8	56.6	7.7	3.2	5.8	56.6	0.0	4.2	1.7	53.7	59.7
Iran, Islamic Rep.	1270	23.1	47.9	8.9	9.1	11.0	47.9	0.9	1.3	8.8	39.1	56.4
Ireland	1071	10.5	76.4	8.7	2.0	2.4	76.4	0.0	0.6	1.8	75.4	77.3
Israel	840	16.9	63.0	12.2	3.3	4.6	63.0	0.2	1.8	2.6	59.9	67.4
Japan	1618	31.5	60.1	7.3	0.6	0.6	60.1	0.1	0.1	0.4	60.0	60.1
Korea	1047	0.6	94.2	4.8	0.1	0.3	94.2	0.0	0.1	0.2	93.9	94.4
Kuwait	1601	31.5	34.1	12.6	10.9	10.9	34.1	0.0	2.9	8.1	30.4	37.5
Latvia (LSS)	829	5.5	70.1	8.7	5.2	10.4	70.1	0.0	0.7	9.7	73.5	66.9
Netherlands	955	7.8	79.5	10.5	0.9	1.3	79.5	1.3	0.0	0.0	77.5	81.9
New Zealand	907	13.4	66.8	12.7	3.8	3.2	66.8	0.0	0.8	2.4	68.6	65.0
Norway	849	8.8	73.6	10.7	3.8	3.1	73.6	0.0	0.9	2.2	71.5	75.4
Portugal	1070	36.8	45.5	5.5	4.1	8.1	45.5	0.0	3.0	5.2	45.1	45.8
Scotland	1238	12.5	67.5	13.1	4.2	2.8	67.5	0.1	0.5	2.1	64.1	70.8
Singapore	2664	8.5	79.7	9.3	1.9	0.6	79.7	0.0	0.0	0.6	82.5	77.1
Slovenia	957	37.8	56.3	3.6	0.7	1.7	56.3	0.1	0.5	1.1	54.4	58.3
Thailand	1063	11.6	80.6	5.5	2.1	0.2	80.6	0.0	0.0	0.2	77.2	84.0
United States	2708	18.2	60.7	13.2	5.0	2.9	60.7	0.0	0.1	2.8	58.3	63.3
INTERNATIONAL AVG	.	15.7	66.6	9.6	3.9	4.2	66.6	0.2	0.9	3.1	65.3	68.0

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

Item: I01 KEY: B
 Shown map with city blocks, and given directions to school, locate school on map. (Geometry)
 Difficulty: 565

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	13.7	59.1	9.8	5.6	9.4	2.5	59.1	0.0	2.5	55.0	63.1
Austria	334	5.7	69.8	6.9	3.8	8.3	5.5	69.8	0.1	5.4	62.9	76.6
Canada	1033	14.1	59.1	6.2	7.3	11.1	2.2	59.1	0.6	1.6	56.6	61.2
Cyprus	443	14.7	41.4	12.1	12.6	11.3	8.0	41.4	0.3	7.7	35.0	47.4
Czech Republic	399	8.4	67.5	9.1	2.7	3.6	8.7	67.5	1.1	7.6	65.8	69.2
England	379	9.6	63.8	10.2	5.4	10.4	0.7	63.8	0.0	0.7	53.2	75.7
Greece	375	10.4	35.9	15.9	15.5	15.1	7.1	35.9	0.6	6.5	29.7	41.2
Hong Kong	544	7.6	66.1	8.1	7.3	7.0	4.0	66.1	1.3	2.6	57.5	73.8
Hungary	365	9.3	59.0	10.9	6.9	11.3	2.6	59.0	0.0	2.6	56.8	62.1
Iceland	235	12.0	47.5	13.7	8.6	11.3	7.0	47.5	0.5	6.5	40.1	54.0
Iran, Islamic Rep.	422	24.4	17.8	20.3	10.4	8.4	18.6	17.8	0.2	18.4	17.7	17.9
Ireland	355	5.3	53.7	10.4	10.0	15.4	5.2	53.7	2.3	3.0	52.7	54.8
Israel	258	11.5	53.9	9.6	3.8	15.8	5.4	53.9	0.7	4.7	45.3	58.7
Japan	538	10.1	76.9	3.8	4.0	5.1	0.2	76.9	0.2	0.0	71.9	81.6
Korea	355	11.0	68.3	5.2	8.4	7.0	0.0	68.3	0.0	0.0	64.3	72.9
Kuwait	536	19.7	23.8	18.5	9.0	12.9	16.1	23.8	0.2	15.8	20.9	26.5
Latvia (LSS)	273	11.1	63.3	4.1	5.1	10.4	6.0	63.3	0.0	6.0	59.1	68.1
Netherlands	317	10.1	63.0	2.7	13.6	8.3	2.2	63.0	2.0	0.3	55.7	71.9
New Zealand	298	16.2	51.9	9.7	4.6	13.7	3.8	51.9	0.0	3.8	49.7	54.3
Norway	291	10.9	59.6	8.0	5.4	10.1	5.9	59.6	0.0	5.9	54.4	64.7
Portugal	348	14.5	34.5	14.7	4.1	14.8	17.4	34.5	0.0	17.4	29.8	38.6
Scotland	401	8.5	60.7	12.7	5.9	9.6	2.5	60.7	1.4	1.1	57.1	63.5
Singapore	883	12.3	47.7	13.0	10.7	15.5	0.9	47.7	0.0	0.9	44.1	50.9
Slovenia	324	13.8	62.6	9.4	3.3	6.7	4.3	62.6	1.2	3.1	60.2	64.3
Thailand	323	18.8	24.1	26.6	15.7	14.1	0.8	24.1	0.0	0.8	23.5	24.8
United States	912	13.2	62.0	7.8	6.7	9.6	0.7	62.0	0.2	0.5	60.4	63.4
INTERNATIONAL AVG	.	12.2	53.6	10.7	7.5	10.6	5.3	53.6	0.5	4.8	49.2	57.7

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

Item: I02 KEY: B
 Which of the following word expressions is the same as .4? (Fractions and Proportionality)
 Difficulty: 652

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	29.4	48.1	6.5	16.0	0.1	48.1	0.0	0.0	0.1	45.8	50.2
Austria	334	38.9	23.9	9.7	24.3	3.2	23.9	0.4	0.0	2.8	15.4	29.4
Canada	1033	50.6	30.8	3.2	15.3	0.1	30.8	0.0	0.0	0.1	25.7	34.5
Cyprus	445	29.0	61.3	1.1	6.2	2.4	61.3	0.0	0.0	2.4	63.5	59.2
Czech Republic	398	40.7	22.4	15.4	16.4	5.1	22.4	0.5	0.0	4.6	23.5	21.3
England	379	50.9	20.1	2.7	24.3	1.9	20.1	0.0	0.0	1.9	19.9	20.3
Greece	377	45.0	28.9	7.1	10.0	8.9	28.9	0.3	0.9	7.8	30.5	27.6
Hong Kong	540	12.2	77.6	5.2	4.0	1.1	77.6	0.0	0.0	1.1	73.2	81.9
Hungary	365	44.8	31.0	2.3	20.0	1.9	31.0	0.0	0.2	1.6	30.9	32.2
Iceland	235	64.8	9.2	5.2	19.5	1.4	9.2	0.0	0.9	0.5	5.9	12.1
Iran, Islamic Rep.	422	15.0	53.6	17.4	6.4	7.6	53.6	0.3	0.0	7.3	58.1	49.6
Ireland	355	26.2	54.7	3.2	14.8	1.1	54.7	0.5	0.0	0.6	55.3	54.0
Israel	258	40.3	18.3	17.3	20.7	3.4	18.3	0.0	0.3	3.1	18.4	19.1
Japan	538	10.2	72.7	2.5	14.6	0.0	72.7	0.0	0.0	0.0	69.3	76.0
Korea	355	16.4	69.6	6.8	7.1	0.0	69.6	0.0	0.0	0.0	65.2	74.7
Kuwait	536	49.1	22.3	7.9	15.5	5.2	22.3	0.0	0.0	5.2	17.8	26.7
Latvia (LSS)	274	60.8	17.5	2.1	13.4	6.2	17.5	0.0	0.0	6.2	15.8	19.4
Netherlands	317	48.3	29.1	6.6	16.1	0.0	29.1	0.0	0.0	0.0	27.5	31.6
New Zealand	298	47.8	19.5	5.3	25.8	1.5	19.5	0.0	0.4	1.1	16.4	22.7
Norway	291	42.0	14.2	6.6	34.2	2.9	14.2	0.4	0.4	2.2	11.1	16.1
Portugal	348	3.5	90.5	2.9	2.3	0.8	90.5	0.0	0.0	0.8	90.2	90.7
Scotland	401	52.0	27.5	2.5	16.7	1.3	27.5	0.2	0.0	1.1	30.8	24.3
Singapore	883	3.0	90.3	4.5	2.0	0.2	90.3	0.0	0.0	0.2	92.2	88.5
Slovenia	324	53.2	15.9	7.9	21.3	1.7	15.9	0.0	0.0	1.7	15.1	15.9
Thailand	323	53.5	26.1	10.3	9.7	0.5	26.1	0.0	0.0	0.5	26.1	26.0
United States	912	43.6	40.4	3.8	11.7	0.5	40.4	0.0	0.0	0.5	39.2	41.5
INTERNATIONAL AVG	.	37.4	39.1	6.4	14.9	2.3	39.1	0.1	0.1	2.0	37.8	40.2

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

Item: I03 KEY: D

Which of the numbers below, when subtracted from 900, yields an answer greater than 300? (Whole Numbers)

Difficulty: 547

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	14.7	7.8	23.1	51.3	3.2	51.3	0.0	0.0	3.2	54.0	48.7
Austria	334	5.1	3.3	16.9	64.6	10.0	64.6	0.2	0.0	9.9	63.2	65.2
Canada	1033	17.2	5.0	23.0	53.2	1.7	53.2	0.0	0.0	1.6	47.6	58.3
Cyprus	445	7.9	9.3	22.5	52.1	8.2	52.1	0.4	0.0	7.7	49.1	54.9
Czech Republic	398	3.0	3.0	15.6	74.1	4.3	74.1	0.4	0.0	3.8	73.5	74.8
England	379	18.3	10.3	18.7	47.5	5.1	47.5	0.0	0.0	5.1	48.3	46.7
Greece	377	9.8	5.3	21.8	52.1	10.9	52.1	0.6	1.3	9.0	49.1	54.8
Hong Kong	540	5.0	4.4	14.4	74.0	2.1	74.0	0.0	0.0	2.1	73.0	75.8
Hungary	365	4.2	2.6	15.5	74.2	3.4	74.2	0.0	0.2	3.2	69.5	79.2
Iceland	235	25.5	9.1	14.3	47.0	4.1	47.0	0.5	0.9	2.7	49.5	44.8
Iran, Islamic Rep.	422	15.6	8.9	22.7	39.2	13.5	39.2	0.1	0.0	13.4	34.8	43.1
Ireland	355	8.5	5.3	22.6	61.6	2.0	61.6	0.8	0.0	1.1	65.5	57.1
Israel	258	9.2	8.9	21.3	52.1	8.4	52.1	0.0	0.3	8.1	49.7	54.3
Japan	538	8.6	4.3	14.4	70.9	1.8	70.9	0.4	0.0	1.4	72.8	69.2
Korea	355	5.5	3.6	9.4	81.5	0.0	81.5	0.0	0.0	0.0	81.9	81.1
Kuwait	536	20.2	16.2	22.6	33.7	7.3	33.7	0.0	0.2	7.2	29.7	37.4
Latvia (LSS)	274	4.4	4.1	21.2	61.0	9.2	61.0	0.0	0.0	9.2	61.3	60.7
Netherlands	317	6.5	6.8	15.9	70.1	0.7	70.1	0.7	0.0	0.0	71.9	69.1
New Zealand	298	23.4	10.3	16.9	46.7	2.7	46.7	0.0	0.4	2.3	46.0	47.5
Norway	291	14.8	10.4	20.0	43.4	11.3	43.4	0.7	0.4	10.2	43.1	43.1
Portugal	348	14.9	6.3	23.6	40.1	15.1	40.1	0.0	0.0	15.1	40.3	39.9
Scotland	401	13.2	10.0	17.8	55.9	3.1	55.9	0.2	0.0	2.9	58.6	53.3
Singapore	883	8.8	8.5	19.0	62.3	1.4	62.3	0.0	0.0	1.4	68.4	56.7
Slovenia	324	3.9	2.2	17.7	72.2	4.0	72.2	0.0	0.0	4.0	74.0	69.8
Thailand	323	9.4	10.2	25.3	53.9	1.1	53.9	0.0	0.0	1.1	60.0	47.1
United States	912	11.5	6.3	23.5	57.5	1.3	57.5	0.0	0.0	1.3	60.1	55.0
INTERNATIONAL AVG	.	11.1	7.0	19.2	57.4	5.2	57.4	0.2	0.1	4.9	57.5	57.2

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Math Item Categories - FOURTH GRADE

May 14, 1998 41

Item: I04 KEY: C
 What is 3 times 23? (Whole Numbers)
 Difficulty: 400

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	3.5	5.1	85.6	4.5	1.2	85.6	0.0	0.0	1.2	84.6	86.9
Austria	334	2.4	0.4	94.4	0.6	2.2	94.4	0.0	0.0	2.2	92.1	96.2
Canada	1033	5.2	4.7	84.8	3.5	1.8	84.8	0.2	0.0	1.6	81.3	88.3
Cyprus	445	8.7	2.5	82.5	3.9	2.5	82.5	0.0	0.0	2.5	80.1	84.6
Czech Republic	398	1.2	1.0	97.2	0.3	0.3	97.2	0.0	0.0	0.3	97.0	97.4
England	379	3.7	3.1	89.2	2.8	1.3	89.2	0.0	0.0	1.3	87.1	91.5
Greece	377	4.9	1.8	86.2	2.6	4.5	86.2	0.3	1.3	3.0	87.2	85.4
Hong Kong	540	2.0	1.4	94.7	1.4	0.5	94.7	0.0	0.0	0.5	93.9	95.5
Hungary	365	2.3	0.6	96.3	0.6	0.2	96.3	0.0	0.2	0.0	93.5	99.5
Iceland	235	7.7	6.6	79.9	4.5	1.4	79.9	0.0	0.9	0.5	70.8	87.8
Iran, Islamic Rep.	422	8.1	10.1	73.2	4.4	4.2	73.2	0.0	0.0	4.2	74.2	72.3
Ireland	355	5.5	3.2	87.1	3.0	1.1	87.1	0.0	0.0	1.1	87.9	86.3
Israel	258	4.6	4.5	80.5	6.0	4.3	80.5	0.0	0.3	4.0	77.3	80.8
Japan	538	0.4	2.0	96.5	1.0	0.2	96.5	0.0	0.0	0.2	97.0	95.9
Korea	355	10.8	1.4	85.9	1.8	0.0	85.9	0.0	0.0	0.0	87.8	83.8
Kuwait	536	41.5	24.6	12.2	15.3	6.3	12.2	0.0	0.2	6.2	8.8	15.5
Latvia (LSS)	274	2.6	0.9	94.5	0.6	1.3	94.5	0.0	0.0	1.3	97.8	90.7
Netherlands	317	2.3	0.0	97.7	0.0	0.0	97.7	0.0	0.0	0.0	96.8	98.3
New Zealand	298	6.1	8.5	78.5	6.0	0.9	78.5	0.0	0.4	0.5	81.9	75.0
Norway	291	8.4	4.6	81.9	3.1	2.1	81.9	0.0	0.4	1.7	80.0	83.4
Portugal	348	10.3	2.8	80.4	5.0	1.5	80.4	0.0	0.0	1.5	82.9	78.3
Scotland	401	5.3	2.5	85.4	5.2	1.7	85.4	0.6	0.0	1.1	86.8	84.2
Singapore	883	2.6	1.0	92.7	3.1	0.6	92.7	0.0	0.0	0.6	94.0	91.5
Slovenia	324	2.0	0.8	95.2	1.8	0.2	95.2	0.0	0.0	0.2	93.8	96.6
Thailand	323	34.4	3.1	53.7	8.3	0.5	53.7	0.0	0.0	0.5	49.8	58.2
United States	912	3.7	1.6	89.6	3.8	1.3	89.6	0.0	0.0	1.3	90.9	88.5
INTERNATIONAL AVG	.	7.3	3.8	83.7	3.6	1.6	83.7	0.0	0.1	1.4	82.9	84.3

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

Item: I05 KEY: A
 If five tomatoes make 1/2 liter of sauce, how much sauce do 15 tomatoes make? (Fractions and Proportionality)
 Difficulty: 582

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	58.7	8.4	9.6	22.7	0.6	58.7	0.0	0.0	0.6	56.8	60.5
Austria	334	50.9	9.0	9.2	30.6	0.4	50.9	0.0	0.0	0.4	40.8	59.0
Canada	1033	41.0	11.5	18.4	28.5	0.7	41.0	0.0	0.0	0.7	39.2	43.3
Cyprus	445	51.4	7.9	16.5	20.0	4.1	51.4	0.4	0.0	3.8	45.0	57.5
Czech Republic	399	64.0	7.2	7.2	19.6	1.9	64.0	0.0	0.0	1.9	60.0	68.0
England	379	51.4	7.9	11.9	27.2	1.7	51.4	0.0	0.0	1.7	44.3	59.4
Greece	377	49.7	14.6	10.8	18.5	6.5	49.7	0.3	1.3	5.0	44.4	54.2
Hong Kong	544	73.3	4.0	7.7	14.0	1.0	73.3	0.0	0.0	1.0	69.7	77.2
Hungary	365	59.7	9.3	16.0	13.1	1.9	59.7	0.0	0.2	1.7	51.3	68.7
Iceland	235	43.5	7.7	12.6	33.7	2.5	43.5	0.0	0.9	1.6	43.4	43.6
Iran, Islamic Rep.	422	43.8	9.7	8.8	33.8	3.8	43.8	0.8	0.0	3.1	43.8	43.8
Ireland	355	56.2	7.7	9.6	25.0	1.4	56.2	0.0	0.0	1.4	55.5	57.0
Israel	258	60.3	8.9	8.3	19.8	2.6	60.3	0.0	0.6	2.0	50.7	67.0
Japan	538	44.7	7.6	18.8	28.6	0.3	44.7	0.0	0.0	0.3	39.0	50.1
Korea	355	67.1	4.8	9.8	18.3	0.0	67.1	0.0	0.0	0.0	63.9	70.6
Kuwait	536	23.0	14.2	17.7	39.5	5.6	23.0	0.0	0.2	5.4	25.2	21.0
Latvia (LSS)	274	53.1	7.7	15.8	22.2	1.1	53.1	0.0	0.0	1.1	49.7	57.1
Netherlands	317	67.4	4.1	9.0	19.2	0.3	67.4	0.3	0.0	0.0	65.0	69.1
New Zealand	298	48.0	12.7	14.2	24.1	1.0	48.0	0.0	0.4	0.6	51.4	44.5
Norway	291	51.4	9.9	16.8	18.2	3.7	51.4	0.4	0.4	2.9	48.4	56.5
Portugal	348	42.3	13.6	13.1	26.3	4.7	42.3	0.0	0.0	4.7	39.9	44.4
Scotland	401	45.9	11.9	13.5	28.1	0.5	45.9	0.2	0.0	0.3	46.6	44.9
Singapore	883	59.9	5.4	15.5	19.1	0.1	59.9	0.0	0.0	0.1	58.7	61.0
Slovenia	324	60.9	6.1	11.9	20.6	0.5	60.9	0.0	0.0	0.5	53.1	68.1
Thailand	323	56.9	10.6	15.4	16.7	0.5	56.9	0.0	0.0	0.5	50.7	63.8
United States	912	42.6	10.3	14.8	31.0	1.3	42.6	0.0	0.0	1.3	35.0	49.7
INTERNATIONAL AVG	.	52.6	9.0	12.8	23.8	1.9	52.6	0.1	0.2	1.6	48.9	56.1

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

Item: I06 KEY: D
 Which of the following figures is made with straight sides only? (Geometry)
 Difficulty: 472

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	1.1	1.4	7.1	86.5	3.0	1.0	86.5	0.0	0.0	1.0	85.6	87.3
Austria	334	1.2	0.6	23.6	74.0	0.0	0.6	74.0	0.3	0.0	0.3	69.1	77.9
Canada	1033	1.9	2.7	10.9	80.6	3.2	0.6	80.6	0.6	0.0	0.0	79.9	81.5
Cyprus	444	3.0	2.5	31.7	45.8	8.2	8.8	45.8	1.4	0.0	7.4	43.6	47.8
Czech Republic	399	0.9	0.4	11.4	83.2	0.6	3.4	83.2	1.0	0.0	2.4	88.5	78.1
England	379	0.9	1.3	10.3	82.4	1.0	4.0	82.4	0.0	0.0	4.0	79.6	85.6
Greece	377	2.4	2.8	45.7	41.3	1.5	6.3	41.3	0.8	1.3	4.2	33.3	48.2
Hong Kong	544	0.2	2.4	5.3	88.9	1.7	1.5	88.9	0.4	0.0	1.1	87.8	91.4
Hungary	365	0.3	2.9	11.3	83.9	0.2	1.4	83.9	0.0	0.4	1.0	81.4	86.8
Iceland	235	2.7	0.2	23.0	70.1	1.8	2.2	70.1	0.6	1.6	0.0	69.6	70.5
Iran, Islamic Rep.	422	10.5	5.6	46.2	27.0	1.6	9.1	27.0	3.0	0.0	6.1	24.9	28.8
Ireland	355	2.4	1.2	18.7	70.9	3.1	3.7	70.9	2.5	0.0	1.2	71.3	70.4
Israel	258	4.3	0.6	17.8	72.3	0.9	4.1	72.3	2.7	0.6	0.8	74.8	68.6
Japan	538	1.7	3.7	3.4	90.5	0.2	0.5	90.5	0.2	0.0	0.3	91.2	89.8
Korea	355	1.1	6.0	8.6	83.5	0.9	0.0	83.5	0.0	0.0	0.0	84.9	81.8
Kuwait	536	5.7	2.4	45.6	37.2	4.5	4.7	37.2	0.0	0.4	4.3	38.9	35.6
Latvia (LSS)	274	1.4	1.0	7.6	88.5	0.4	1.2	88.5	0.0	0.0	1.2	89.5	87.3
Netherlands	317	0.0	1.0	9.2	88.1	0.6	1.1	88.1	1.1	0.0	0.0	88.7	88.9
New Zealand	298	1.2	1.2	11.9	81.0	1.6	3.1	81.0	0.0	0.4	2.6	83.2	78.7
Norway	291	2.7	2.5	11.0	81.2	0.0	2.6	81.2	0.7	0.7	1.1	82.1	81.8
Portugal	348	10.0	4.6	26.0	41.4	8.1	9.8	41.4	0.0	0.0	9.8	32.9	48.8
Scotland	401	1.1	1.3	18.4	73.5	2.6	3.2	73.5	3.2	0.0	0.0	70.3	76.0
Singapore	883	4.2	1.4	15.1	73.9	4.7	0.7	73.9	0.0	0.0	0.7	75.3	72.5
Slovenia	324	3.7	1.1	8.3	85.3	1.3	0.2	85.3	0.2	0.0	0.0	85.5	85.5
Thailand	323	1.8	4.8	17.8	72.5	3.2	0.0	72.5	0.0	0.0	0.0	71.2	73.9
United States	912	1.6	1.2	18.1	75.4	2.4	1.3	75.4	0.0	0.0	1.3	75.1	75.6
INTERNATIONAL AVG	.	2.6	2.2	17.8	72.3	2.2	2.9	72.3	0.7	0.2	2.0	71.5	73.0

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

Item: I07 KEY: D
 Given a 130 page book, and 78 pages read, which expression gives the number of pages remaining? (Patterns, Relations and Functions)
 Difficulty: 545

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	12.5	12.7	9.0	59.2	6.6	59.2	0.0	0.0	6.6	59.8	58.9
Austria	334	5.1	5.0	2.6	82.7	4.5	82.7	0.1	0.0	4.4	82.8	83.3
Canada	1033	12.9	12.4	6.7	62.7	5.3	62.7	1.6	0.0	3.7	64.5	62.2
Cyprus	445	11.9	14.0	7.3	57.5	9.3	57.5	0.3	0.0	9.0	57.9	56.9
Czech Republic	399	6.5	6.5	2.6	78.2	6.2	78.2	2.9	0.0	3.3	75.7	80.8
England	379	16.1	21.1	9.7	43.5	9.6	43.5	0.0	0.0	9.6	39.2	48.3
Greece	377	9.3	9.0	6.4	49.5	25.8	49.5	3.9	1.3	20.6	48.3	50.5
Hong Kong	544	5.5	3.4	4.9	75.2	11.1	75.2	0.0	0.0	11.1	80.2	72.1
Hungary	365	7.4	5.6	6.8	77.8	2.4	77.8	0.0	0.4	2.0	76.1	79.2
Iceland	235	10.0	21.0	8.4	48.8	11.8	48.8	0.8	1.6	9.4	48.1	49.4
Iran, Islamic Rep.	422	15.0	15.4	12.0	47.1	10.5	47.1	0.3	0.1	10.2	44.2	49.5
Ireland	355	15.2	13.2	7.4	59.7	4.5	59.7	2.1	0.0	2.4	58.5	61.2
Israel	258	8.5	6.0	5.6	61.3	18.6	61.3	2.1	0.6	15.9	64.9	58.7
Japan	538	3.4	4.7	3.8	87.8	0.3	87.8	0.0	0.0	0.3	88.0	87.6
Korea	355	2.6	2.2	8.3	85.7	1.2	85.7	0.0	0.0	1.2	86.4	84.9
Kuwait	536	18.9	20.1	14.7	25.0	21.4	25.0	0.3	0.4	20.7	24.4	25.6
Latvia (LSS)	274	8.3	7.4	6.2	72.0	6.1	72.0	0.0	0.0	6.1	73.9	69.8
Netherlands	317	5.7	10.7	7.3	75.3	1.0	75.3	1.0	0.0	0.0	76.3	75.0
New Zealand	298	17.3	16.0	13.3	47.8	5.6	47.8	0.0	0.4	5.2	54.0	41.6
Norway	291	16.7	19.6	7.9	48.5	7.3	48.5	0.0	0.7	6.6	53.4	44.5
Portugal	348	12.7	11.9	8.5	47.4	19.6	47.4	0.0	0.0	19.6	43.3	50.9
Scotland	401	19.0	17.9	8.8	47.5	6.8	47.5	0.6	0.0	6.2	45.1	49.1
Singapore	883	12.9	7.8	4.1	73.8	1.4	73.8	0.0	0.0	1.4	78.4	69.4
Slovenia	324	14.5	7.0	6.3	67.2	5.1	67.2	2.3	0.0	2.8	66.7	67.0
Thailand	323	21.4	7.0	15.9	53.6	2.1	53.6	0.0	0.0	2.1	54.9	52.1
United States	912	11.1	7.2	9.0	71.1	1.6	71.1	0.0	0.0	1.6	71.7	70.5
INTERNATIONAL AVG	.	11.6	11.0	7.8	61.8	7.9	61.8	0.7	0.2	7.0	62.2	61.5

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

Item: I08 KEY: A
 Shown four diagrams with various fractions shaded, which two represent the same fraction? (Fractions and Proportionality)
 Difficulty: 568

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	44.7	10.4	8.5	32.0	4.4	44.7	0.0	0.0	4.4	43.5	45.8
Austria	334	71.2	9.3	4.0	10.1	5.4	71.2	1.8	0.2	3.4	70.7	72.5
Canada	1033	52.5	11.7	7.4	25.3	3.1	52.5	2.8	0.0	0.3	48.6	55.8
Cyprus	445	55.9	15.5	9.5	11.5	7.6	55.9	2.6	0.0	4.9	56.7	55.3
Czech Republic	398	46.7	16.1	5.4	22.8	9.0	46.7	3.2	0.0	5.8	46.2	47.1
England	379	56.9	6.1	8.6	24.7	3.8	56.9	0.0	0.0	3.8	55.4	58.5
Greece	377	49.6	13.7	10.7	15.9	10.2	49.6	1.9	1.3	7.0	50.9	48.4
Hong Kong	544	67.1	13.2	8.6	9.0	2.0	67.1	0.8	0.0	1.2	70.7	64.8
Hungary	365	51.2	16.2	9.9	16.0	6.7	51.2	0.0	0.4	6.3	54.4	47.8
Iceland	235	68.9	3.3	7.7	16.9	3.2	68.9	0.7	1.6	0.9	71.5	66.7
Iran, Islamic Rep.	422	40.3	19.0	12.1	20.2	8.4	40.3	4.3	0.1	4.0	41.8	38.9
Ireland	355	51.5	11.2	9.8	22.2	5.3	51.5	4.2	0.0	1.1	51.5	51.5
Israel	258	53.2	18.0	7.8	16.6	4.4	53.2	0.8	1.1	2.5	44.6	57.6
Japan	538	58.0	17.3	11.6	11.1	2.0	58.0	1.3	0.0	0.7	56.9	59.0
Korea	355	56.6	12.5	13.4	17.1	0.5	56.6	0.0	0.0	0.5	53.5	60.1
Kuwait	536	37.9	18.9	14.0	22.1	7.1	37.9	0.0	0.7	6.4	37.4	38.3
Latvia (LSS)	274	53.4	17.1	8.1	14.0	7.5	53.4	0.0	0.0	7.5	58.4	47.7
Netherlands	317	58.9	12.1	9.5	18.5	1.0	58.9	1.0	0.0	0.0	55.7	61.8
New Zealand	298	50.4	11.8	13.5	22.5	1.7	50.4	0.0	0.4	1.3	50.9	50.0
Norway	291	55.0	10.8	7.6	19.4	7.2	55.0	1.6	0.8	4.8	60.7	51.3
Portugal	348	42.3	8.8	7.1	33.2	8.6	42.3	0.0	0.0	8.6	41.8	42.7
Scotland	401	46.3	6.1	7.2	38.2	2.2	46.3	1.2	0.0	1.1	42.7	49.7
Singapore	883	71.5	10.6	8.5	8.9	0.5	71.5	0.0	0.0	0.5	74.2	69.0
Slovenia	324	63.7	9.9	5.4	17.7	3.3	63.7	0.9	0.0	2.3	60.1	66.7
Thailand	323	42.7	15.6	13.2	27.7	0.9	42.7	0.0	0.0	0.9	48.6	36.1
United States	912	51.8	14.1	8.2	24.0	1.9	51.8	0.5	0.0	1.4	46.4	56.9
INTERNATIONAL AVG	.	53.8	12.7	9.1	19.9	4.5	53.8	1.1	0.3	3.1	53.6	53.8

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

Item: I09 KEY: C
 Subtract: 6000-2369. (Whole Numbers)
 Difficulty: 513

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	808	34.1	9.4	47.1	6.6	2.8	47.1	0.0	0.2	2.7	49.4	44.9
Austria	334	4.1	0.0	92.3	2.1	1.6	92.3	0.2	0.2	1.2	93.2	91.2
Canada	1033	29.6	3.8	61.2	3.8	1.6	61.2	0.0	0.0	1.6	60.2	61.7
Cyprus	445	6.4	4.5	79.1	6.2	3.7	79.1	0.3	0.0	3.4	75.3	82.8
Czech Republic	398	10.7	2.2	83.3	1.3	2.5	83.3	1.5	0.0	1.0	87.4	79.3
England	379	39.2	11.0	36.0	9.8	4.0	36.0	0.0	0.0	4.0	35.5	36.6
Greece	377	8.8	2.1	82.4	1.8	4.9	82.4	0.3	1.3	3.3	85.0	80.2
Hong Kong	544	2.0	0.7	88.6	8.1	0.7	88.6	0.0	0.0	0.7	88.8	88.5
Hungary	365	5.8	2.6	90.8	0.2	0.7	90.8	0.0	0.4	0.2	93.3	88.0
Iceland	235	25.6	14.7	46.6	5.7	7.4	46.6	0.0	1.6	5.8	48.3	45.1
Iran, Islamic Rep.	422	15.8	8.9	61.6	6.2	7.5	61.6	0.2	0.1	7.3	63.4	59.9
Ireland	355	9.2	4.3	82.0	1.2	3.4	82.0	1.0	0.0	2.3	84.7	78.8
Israel	258	16.9	4.3	71.4	5.2	2.2	71.4	0.0	1.1	1.1	71.2	70.8
Japan	538	3.3	3.4	89.0	4.0	0.3	89.0	0.0	0.0	0.3	88.9	89.0
Korea	355	3.1	2.0	92.8	2.2	0.0	92.8	0.0	0.0	0.0	95.2	90.0
Kuwait	536	28.6	12.6	45.9	7.5	5.3	45.9	0.0	0.7	4.6	43.4	48.3
Latvia (LSS)	274	6.2	5.7	79.7	4.3	4.0	79.7	0.0	0.0	4.0	81.2	77.9
Netherlands	317	6.0	2.2	86.4	3.9	1.6	86.4	1.1	0.0	0.5	85.5	86.7
New Zealand	298	47.4	8.6	29.5	11.2	3.3	29.5	0.0	0.4	2.9	29.5	29.5
Norway	291	23.3	6.8	59.6	4.7	5.6	59.6	0.0	0.8	4.8	62.9	56.9
Portugal	348	12.6	4.1	76.9	2.5	3.8	76.9	0.0	0.0	3.8	78.9	75.2
Scotland	401	26.8	8.8	55.2	6.2	3.0	55.2	0.2	0.0	2.7	64.4	47.1
Singapore	883	3.2	3.7	91.5	1.1	0.5	91.5	0.0	0.0	0.5	92.9	90.1
Slovenia	324	10.8	1.9	85.6	0.8	0.9	85.6	0.0	0.0	0.9	86.4	85.1
Thailand	323	16.9	6.7	64.9	10.8	0.7	64.9	0.0	0.0	0.7	67.8	61.6
United States	912	17.1	5.8	70.7	4.8	1.5	70.7	0.0	0.0	1.5	74.0	67.7
INTERNATIONAL AVG	.	15.9	5.4	71.2	4.7	2.8	71.2	0.2	0.3	2.4	72.6	69.7

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

Item: J01 KEY: A
 Shown hexagon divided into six triangles, identify smaller shape. (recognize triangles) (Geometry)
 Difficulty: 372

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	93.9	1.6	2.4	1.7	0.4	93.9	0.0	0.0	0.4	93.9	93.9
Austria	330	88.7	3.3	2.0	4.3	1.7	88.7	0.0	0.2	1.5	91.2	87.8
Canada	1041	92.5	1.3	3.0	2.6	0.6	92.5	0.0	0.0	0.6	92.2	93.6
Cyprus	416	88.1	2.7	3.3	5.1	0.8	88.1	0.0	0.2	0.7	91.8	86.6
Czech Republic	415	97.3	0.3	0.8	1.0	0.7	97.3	0.0	0.2	0.5	97.8	96.6
England	386	90.6	0.7	5.7	2.9	0.0	90.6	0.0	0.0	0.0	93.3	88.2
Greece	385	89.9	1.8	4.9	1.9	1.6	89.9	0.1	0.6	0.9	92.8	86.5
Hong Kong	543	96.5	0.3	2.8	0.2	0.2	96.5	0.0	0.0	0.2	96.3	96.7
Hungary	392	81.7	4.8	3.9	4.6	5.0	81.7	0.0	0.3	4.7	81.1	82.0
Iceland	226	91.5	2.3	1.3	3.4	1.5	91.5	0.0	0.8	0.7	91.0	92.1
Iran, Islamic Rep.	427	74.6	5.6	14.3	3.2	2.2	74.6	0.2	0.3	1.7	76.3	73.0
Ireland	356	86.7	2.1	4.2	6.7	0.4	86.7	0.0	0.0	0.4	87.8	85.8
Israel	313	90.3	1.1	3.8	1.8	2.9	90.3	0.4	2.5	0.0	89.6	91.3
Japan	532	90.0	3.5	2.7	3.2	0.6	90.0	0.2	0.0	0.3	92.1	87.9
Korea	350	80.7	10.0	5.8	3.5	0.0	80.7	0.0	0.0	0.0	81.4	79.9
Kuwait	528	74.9	7.8	8.9	6.0	2.5	74.9	0.0	0.4	2.1	83.8	66.4
Latvia (LSS)	278	89.1	3.2	2.7	2.9	2.1	89.1	0.0	1.2	0.9	93.3	85.4
Netherlands	306	94.1	1.7	1.5	0.7	2.0	94.1	1.4	0.0	0.6	93.2	94.9
New Zealand	301	92.6	0.3	4.3	2.0	0.8	92.6	0.0	0.0	0.8	93.1	92.0
Norway	273	78.0	7.7	3.7	6.5	4.1	78.0	0.0	0.0	4.1	77.2	78.6
Portugal	356	83.9	1.1	9.5	3.4	2.1	83.9	0.3	0.5	1.4	85.1	83.0
Scotland	423	95.1	1.2	2.3	1.4	0.0	95.1	0.0	0.0	0.0	96.9	93.1
Singapore	888	91.6	1.4	4.5	2.2	0.2	91.6	0.0	0.0	0.2	91.4	91.9
Slovenia	331	95.4	1.6	2.0	0.9	0.0	95.4	0.0	0.0	0.0	96.0	95.2
Thailand	424	71.3	11.1	8.2	6.9	2.4	71.3	0.0	0.2	2.2	73.3	69.7
United States	923	91.0	1.4	3.4	2.3	1.9	91.0	0.0	0.0	1.9	91.5	90.5
INTERNATIONAL AVG	.	88.1	3.1	4.3	3.1	1.4	88.1	0.1	0.3	1.0	89.3	87.0

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

Item: J02 KEY: C
 Shown several drawings with a line through each, which does not show a line of symmetry? (Geometry)
 Difficulty: 515

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	3.5	7.4	75.9	10.8	2.4	75.9	0.0	0.0	2.4	74.9	77.1
Austria	330	3.6	9.6	74.0	9.6	3.2	74.0	0.6	0.2	2.4	78.9	70.3
Canada	1041	3.6	9.7	71.9	13.5	1.4	71.9	0.5	0.0	0.8	72.9	70.0
Cyprus	416	3.9	16.4	65.1	10.6	4.1	65.1	0.3	0.2	3.6	70.2	61.6
Czech Republic	415	3.9	5.2	73.8	11.5	5.5	73.8	0.9	0.2	4.5	76.3	70.6
England	386	2.4	4.4	84.0	7.3	1.9	84.0	0.0	0.0	1.9	87.8	80.6
Greece	385	13.0	21.8	41.1	12.5	11.6	41.1	0.5	0.6	10.6	38.1	44.7
Hong Kong	543	1.8	3.3	88.7	4.4	1.8	88.7	0.2	0.0	1.5	89.7	87.8
Hungary	392	2.7	14.0	70.1	7.8	5.4	70.1	0.0	0.3	5.1	69.5	70.7
Iceland	226	9.5	18.5	51.7	14.3	6.1	51.7	0.3	0.8	5.0	57.7	43.8
Iran, Islamic Rep.	427	8.9	6.7	65.9	8.2	10.4	65.9	5.5	0.3	4.6	66.5	65.2
Ireland	356	3.5	11.4	61.8	20.3	3.1	61.8	1.0	0.0	2.1	64.9	58.9
Israel	313	7.8	10.9	67.8	8.0	5.5	67.8	1.2	2.5	1.8	69.5	66.7
Japan	532	8.3	23.2	51.5	12.6	4.4	51.5	1.7	0.0	2.8	52.0	51.0
Korea	350	5.8	2.5	87.2	4.4	0.2	87.2	0.0	0.0	0.2	88.5	86.0
Kuwait	528	17.1	37.3	21.0	12.6	12.1	21.0	0.2	0.6	11.3	19.4	22.4
Latvia (LSS)	278	6.5	9.7	62.5	13.9	7.5	62.5	0.0	1.2	6.3	61.7	63.1
Netherlands	306	8.0	22.5	40.2	24.6	4.6	40.2	4.0	0.0	0.6	39.5	40.5
New Zealand	301	5.2	18.0	57.7	17.7	1.3	57.7	0.0	0.4	1.0	62.4	53.2
Norway	273	14.7	25.3	29.4	19.5	11.2	29.4	0.2	0.4	10.6	25.7	32.5
Portugal	356	8.2	26.5	36.6	14.3	14.3	36.6	0.0	0.5	13.9	39.6	34.3
Scotland	423	1.3	4.6	89.5	2.7	1.8	89.5	0.7	0.0	1.2	89.9	88.9
Singapore	888	1.5	2.7	93.4	1.9	0.3	93.4	0.0	0.0	0.3	94.4	92.6
Slovenia	331	6.3	14.9	63.4	6.9	8.4	63.4	0.5	0.0	8.0	62.5	64.8
Thailand	424	7.4	17.8	65.5	7.6	1.7	65.5	0.0	0.2	1.5	65.6	65.4
United States	923	4.6	7.0	73.6	12.4	2.5	73.6	0.1	0.1	2.3	72.4	74.8
INTERNATIONAL AVG	.	6.3	13.5	64.0	11.1	5.1	64.0	0.7	0.3	4.1	65.0	63.0

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

Item: J03 KEY: D
 Shown pie graph of how Mary spent her day, how much time did she spend on two categories combined? (Data Rep., Analysis and Probability)
 Difficulty: 472

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	811	7.8	4.4	2.3	80.6	3.6	1.2	80.6	0.0	0.0	1.2	82.2	79.1
Austria	330	0.9	3.7	0.8	88.3	3.5	2.7	88.3	0.4	0.2	2.2	89.2	89.3
Canada	1041	6.5	4.0	5.5	75.4	7.2	1.3	75.4	0.3	0.0	1.1	81.0	73.7
Cyprus	416	5.7	10.6	6.8	63.2	11.2	2.7	63.2	1.0	0.2	1.5	61.3	64.6
Czech Republic	415	7.1	4.0	3.3	77.6	4.6	3.5	77.6	1.1	0.2	2.3	79.5	75.1
England	386	11.6	3.8	3.0	74.6	3.8	3.2	74.6	0.0	0.0	3.2	75.3	74.0
Greece	385	3.4	3.9	5.5	64.8	12.4	9.9	64.8	2.0	0.6	7.4	66.3	63.1
Hong Kong	543	3.0	4.2	2.6	86.0	3.9	0.3	86.0	0.0	0.0	0.3	87.3	85.1
Hungary	392	3.8	4.1	5.1	73.0	5.3	8.7	73.0	0.0	0.3	8.4	74.9	71.2
Iceland	226	5.7	6.4	5.6	75.1	5.9	1.3	75.1	0.0	0.8	0.5	78.7	70.3
Iran, Islamic Rep.	427	12.3	9.9	7.8	40.0	19.3	10.8	40.0	2.3	0.3	8.2	38.6	41.3
Ireland	356	4.2	2.0	2.8	83.5	6.4	1.0	83.5	0.2	0.0	0.8	88.1	79.3
Israel	313	7.7	8.9	3.3	68.3	4.1	7.6	68.3	3.2	2.5	2.0	72.4	65.6
Japan	.	.	.	.	.	.	.	.	.	.	.	.	.
Korea	350	1.3	0.7	1.5	95.5	0.6	0.3	95.5	0.0	0.0	0.3	94.7	96.3
Kuwait	528	11.8	13.8	7.3	42.9	17.6	6.7	42.9	0.0	0.6	6.1	51.1	35.0
Latvia (LSS)	278	4.4	3.0	6.7	70.3	9.9	5.8	70.3	0.0	1.2	4.6	76.6	64.7
Netherlands	306	2.7	1.7	2.6	88.1	2.1	2.8	88.1	2.1	0.0	0.6	84.0	92.1
New Zealand	301	3.9	6.8	4.6	72.6	8.3	3.9	72.6	0.0	0.4	3.5	74.5	70.7
Norway	273	3.0	3.3	3.7	80.2	5.8	4.0	80.2	0.4	0.4	3.2	80.6	80.3
Portugal	356	5.1	5.1	4.8	69.7	8.7	6.6	69.7	0.0	0.5	6.1	73.0	67.2
Scotland	423	11.3	3.8	3.8	74.1	4.9	2.0	74.1	0.8	0.0	1.3	75.6	72.2
Singapore	888	1.7	3.6	2.9	89.6	1.8	0.3	89.6	0.0	0.0	0.3	88.1	91.1
Slovenia	331	1.4	4.4	2.9	82.3	7.6	1.4	82.3	0.7	0.0	0.7	81.7	83.1
Thailand	424	10.0	5.3	4.4	74.2	5.7	0.4	74.2	0.0	0.2	0.1	79.6	70.0
United States	923	9.4	2.1	3.9	77.8	4.1	2.6	77.8	0.3	0.1	2.3	77.3	78.3
INTERNATIONAL AVG	.	5.8	4.9	4.1	74.7	6.7	3.6	74.7	0.6	0.3	2.7	76.5	73.3

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

Item: J04 KEY: B
 25 x 18 is more than 24 x 18. How much more? (Whole Numbers)
 Difficulty: 614

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	811	46.6	40.7	4.6	5.5	2.6	40.7	0.0	0.1	2.5	34.9	46.5
Austria	330	26.1	58.1	4.9	8.7	2.3	58.1	0.0	0.2	2.1	59.3	58.1
Canada	1041	43.8	40.8	4.9	8.9	1.6	40.8	0.0	0.0	1.6	37.6	45.7
Cyprus	416	44.5	38.2	5.3	10.2	1.8	38.2	0.0	0.2	1.6	32.7	42.0
Czech Republic	415	36.4	50.3	2.8	5.1	5.4	50.3	2.6	0.2	2.7	52.8	46.9
England	386	50.7	36.8	2.9	8.1	1.5	36.8	0.0	0.0	1.5	26.5	46.2
Greece	385	51.9	29.0	3.7	9.7	5.8	29.0	0.4	0.7	4.7	29.5	28.3
Hong Kong	543	22.3	62.6	5.6	8.3	1.2	62.6	0.1	0.0	1.1	59.4	65.4
Hungary	392	29.6	52.4	4.0	7.9	6.1	52.4	0.0	0.3	5.8	50.5	52.7
Iceland	226	50.9	32.9	5.7	8.2	2.3	32.9	0.3	1.3	0.8	29.8	37.0
Iran, Islamic Rep.	427	42.0	26.1	7.0	18.7	6.2	26.1	1.2	0.5	4.5	21.6	30.6
Ireland	356	35.4	51.1	5.6	6.0	1.9	51.1	0.0	0.0	1.9	50.8	51.4
Israel	313	29.1	47.0	6.8	9.6	7.5	47.0	0.3	2.8	4.5	47.4	47.2
Japan	532	26.1	59.3	4.8	8.2	1.5	59.3	0.4	0.0	1.1	54.9	64.1
Korea	350	13.1	79.6	2.4	4.9	0.0	79.6	0.0	0.0	0.0	75.1	83.7
Kuwait	526	30.8	19.0	21.8	21.2	7.2	19.0	0.0	0.8	6.3	16.2	21.6
Latvia (LSS)	278	36.2	42.4	4.7	10.0	6.8	42.4	0.0	1.2	5.5	43.7	41.2
Netherlands	306	29.8	59.6	2.7	4.7	3.2	59.6	2.5	0.0	0.6	53.2	66.8
New Zealand	301	52.5	28.2	5.4	10.5	3.4	28.2	0.0	0.4	3.0	25.0	31.3
Norway	273	40.1	38.3	5.3	10.3	5.9	38.3	0.0	0.4	5.5	37.2	40.7
Portugal	356	31.8	37.6	6.9	16.5	7.2	37.6	0.0	0.7	6.5	38.4	37.0
Scotland	423	48.4	37.3	5.0	6.7	2.6	37.3	0.2	0.0	2.4	32.9	42.4
Singapore	888	12.5	73.3	4.9	8.5	0.8	73.3	0.0	0.1	0.7	72.2	74.4
Slovenia	331	22.5	51.2	7.1	14.7	4.4	51.2	0.2	0.0	4.2	50.4	52.1
Thailand	424	45.8	32.9	7.0	13.6	0.8	32.9	0.0	0.2	0.5	39.5	27.6
United States	923	35.6	45.6	6.2	8.6	4.0	45.6	0.0	0.2	3.7	43.5	47.8
INTERNATIONAL AVG	.	35.9	45.0	5.7	9.7	3.6	45.0	0.3	0.4	2.9	42.9	47.3

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

Item: J05 KEY: D
 Determine common operation between four pairs of numbers. (Patterns, Relations and Functions)
 Difficulty: 627

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	811	12.2	29.6	17.9	36.4	3.9	36.4	0.0	0.1	3.8	35.0	37.9
Austria	329	12.6	21.9	16.4	41.4	7.6	41.4	0.9	0.3	6.4	38.2	45.9
Canada	1041	11.2	26.5	19.3	38.3	4.7	38.3	0.0	0.0	4.7	38.2	36.9
Cyprus	416	12.3	24.1	24.6	28.7	10.3	28.7	0.6	0.2	9.5	24.2	33.3
Czech Republic	415	5.8	16.2	14.7	57.2	6.1	57.2	1.7	0.2	4.2	58.0	56.2
England	386	13.8	31.9	15.4	34.7	4.2	34.7	0.0	0.0	4.2	30.8	38.3
Greece	385	14.6	25.2	21.5	24.3	14.4	24.3	0.6	0.7	13.1	26.1	22.1
Hong Kong	.	.	.	.	.	.	.	.	.	.	.	.
Hungary	392	5.6	17.5	17.4	56.2	3.3	56.2	0.0	0.3	3.0	59.4	53.0
Iceland	226	8.8	35.3	23.1	24.0	8.7	24.0	0.0	1.6	7.2	26.3	20.9
Iran, Islamic Rep.	427	11.7	19.8	29.6	28.7	10.2	28.7	1.1	0.5	8.5	28.1	29.3
Ireland	356	11.8	24.4	20.8	37.5	5.6	37.5	0.8	0.0	4.8	37.3	37.7
Israel	310	9.8	18.9	17.4	44.9	9.1	44.9	1.8	2.8	4.5	40.0	50.3
Japan	532	8.7	14.1	25.0	49.7	2.5	49.7	0.0	0.0	2.5	48.8	50.6
Korea	350	3.5	14.6	11.5	70.5	0.0	70.5	0.0	0.0	0.0	66.6	74.0
Kuwait	526	13.1	20.3	29.1	19.9	17.5	19.9	0.0	1.0	16.4	22.1	17.9
Latvia (LSS)	278	5.1	15.8	15.2	53.4	10.4	53.4	0.0	1.2	9.2	55.5	51.6
Netherlands	306	9.9	24.8	21.0	40.9	3.3	40.9	2.6	0.0	0.6	40.8	42.0
New Zealand	301	16.5	31.5	20.6	26.6	4.8	26.6	0.0	0.4	4.4	31.5	21.9
Norway	273	12.3	28.2	18.3	30.3	10.9	30.3	0.3	0.4	10.1	31.6	28.9
Portugal	356	14.2	16.1	21.7	32.3	15.7	32.3	0.0	1.1	14.7	35.7	29.7
Scotland	423	13.2	34.4	17.6	30.8	4.0	30.8	0.0	0.0	4.0	28.8	33.2
Singapore	888	9.3	16.5	18.1	54.5	1.7	54.5	0.0	0.1	1.6	50.9	57.7
Slovenia	331	9.5	19.6	19.7	47.2	4.0	47.2	0.4	0.0	3.7	49.2	44.7
Thailand	424	9.3	23.1	27.6	36.9	3.2	36.9	0.0	0.2	3.0	39.2	35.1
United States	923	10.8	27.5	26.6	32.4	2.7	32.4	0.1	0.2	2.5	29.1	35.8
INTERNATIONAL AVG	.	10.6	23.1	20.4	39.1	6.8	39.1	0.4	0.5	5.9	38.9	39.4

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

Item: J06 KEY: A
 Which of the following weight (mass) measures is the largest? (Measurement, Estimation, & Number Sense)
 Difficulty: 485

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	811	73.7	2.5	7.9	14.2	1.7	73.7	0.0	0.2	1.5	69.0	78.2
Austria	328	88.5	1.8	5.1	2.5	2.1	88.5	0.0	0.3	1.8	85.1	91.3
Canada	1041	68.1	3.8	11.8	14.9	1.5	68.1	0.0	0.0	1.5	64.1	71.6
Cyprus	416	21.0	17.3	39.1	18.1	4.4	21.0	0.5	0.4	3.5	16.6	25.4
Czech Republic	415	81.5	6.4	2.6	7.9	1.7	81.5	0.0	0.2	1.5	80.5	82.8
England	386	62.4	6.3	17.2	12.3	1.8	62.4	0.0	0.0	1.8	58.4	66.0
Greece	385	70.7	4.8	12.8	5.0	6.7	70.7	0.2	1.3	5.2	69.2	72.5
Hong Kong	542	89.2	4.2	0.8	5.2	0.7	89.2	0.0	0.0	0.7	88.9	89.2
Hungary	392	91.0	0.4	1.9	5.1	1.6	91.0	0.0	0.7	0.8	88.2	93.7
Iceland	226	71.3	4.7	6.6	10.8	6.5	71.3	0.0	2.8	3.8	74.0	67.7
Iran, Islamic Rep.	427	52.7	6.5	32.0	5.8	3.1	52.7	0.7	0.5	1.9	42.5	62.8
Ireland	356	56.2	6.6	18.7	16.2	2.3	56.2	0.3	0.0	2.1	53.2	58.9
Israel	310	49.5	22.4	12.2	11.2	4.7	49.5	0.0	2.8	1.9	40.6	58.7
Japan	532	94.3	1.6	1.0	3.0	0.0	94.3	0.0	0.0	0.0	95.3	93.3
Korea	350	89.9	1.9	4.0	4.2	0.0	89.9	0.0	0.0	0.0	87.3	92.2
Kuwait	525	67.5	12.4	7.3	6.7	6.1	67.5	0.0	1.7	4.5	77.0	58.5
Latvia (LSS)	278	76.9	14.4	2.8	4.0	2.0	76.9	0.0	1.2	0.8	79.0	75.0
Netherlands	306	92.2	0.1	0.5	5.3	1.9	92.2	1.3	0.0	0.6	90.3	94.9
New Zealand	301	58.1	6.2	11.4	20.8	3.6	58.1	0.0	0.8	2.7	55.0	61.2
Norway	273	73.5	3.1	5.3	15.2	3.0	73.5	0.3	1.4	1.3	68.0	78.0
Portugal	356	78.6	0.8	7.2	10.5	3.0	78.6	0.0	1.6	1.3	83.7	74.7
Scotland	423	54.8	6.5	22.8	14.2	1.6	54.8	0.0	0.1	1.5	51.2	57.9
Singapore	888	75.8	3.2	17.9	2.4	0.6	75.8	0.0	0.2	0.5	73.7	77.8
Slovenia	331	88.8	3.2	3.0	3.3	1.8	88.8	0.0	1.2	0.7	89.9	88.4
Thailand	424	73.0	8.6	9.7	7.0	1.6	73.0	0.0	0.2	1.4	69.4	75.8
United States	923	61.2	4.8	14.0	17.8	2.1	61.2	0.1	0.3	1.7	58.3	64.4
INTERNATIONAL AVG	.	71.6	5.9	10.6	9.4	2.6	71.6	0.1	0.7	1.7	69.6	73.5

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

Item: J07 KEY: D
 Shown a square divided into 9 squares, 5 of which are shaded, what fraction of the figure is shaded? (Fractions and Proportionality)
 Difficulty: 547

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	811	15.3	9.4	3.5	71.0	0.7	71.0	0.0	0.2	0.5	73.0	68.9
Austria	330	35.3	13.4	3.0	44.5	3.8	44.5	1.1	0.3	2.4	45.3	44.7
Canada	1041	11.2	4.6	4.4	79.1	0.7	79.1	0.0	0.0	0.7	80.5	76.8
Cyprus	416	12.9	5.5	4.8	74.6	2.3	74.6	0.0	0.4	1.9	78.3	71.3
Czech Republic	415	38.1	15.6	0.6	43.4	2.4	43.4	0.8	0.2	1.3	44.5	41.9
England	386	29.2	15.8	4.6	48.1	2.3	48.1	0.0	0.0	2.3	52.2	44.4
Greece	385	21.6	10.3	6.1	58.0	4.0	58.0	0.0	1.3	2.7	57.4	58.8
Hong Kong	543	1.3	1.3	1.5	95.6	0.3	95.6	0.0	0.3	0.0	97.4	94.0
Hungary	392	24.6	10.3	3.0	57.7	4.3	57.7	0.0	1.1	3.2	55.3	60.0
Iceland	226	53.6	16.6	4.2	20.1	5.5	20.1	0.0	3.1	2.5	21.8	17.8
Iran, Islamic Rep.	427	10.8	5.2	10.3	68.3	5.5	68.3	0.5	0.5	4.4	72.2	64.5
Ireland	356	12.3	7.0	1.2	79.2	0.3	79.2	0.3	0.0	0.0	81.8	76.8
Israel	313	17.7	13.2	3.0	62.3	3.9	62.3	0.0	2.8	1.1	62.6	63.2
Japan	532	5.2	4.8	1.0	89.0	0.0	89.0	0.0	0.0	0.0	91.0	86.9
Korea	350	3.0	4.5	0.3	92.3	0.0	92.3	0.0	0.0	0.0	92.3	92.3
Kuwait	525	34.5	23.4	13.3	21.1	7.6	21.1	0.0	1.7	5.9	23.8	18.6
Latvia (LSS)	278	27.0	19.8	2.5	48.5	2.2	48.5	0.0	1.2	1.0	51.0	46.3
Netherlands	306	19.0	7.6	1.1	70.4	1.9	70.4	1.3	0.0	0.6	68.3	72.8
New Zealand	301	28.9	12.9	5.8	49.7	2.6	49.7	0.0	0.8	1.8	50.7	48.8
Norway	273	43.3	17.3	9.2	25.3	5.0	25.3	0.0	1.4	3.6	24.1	24.6
Portugal	356	48.6	21.6	6.2	15.7	7.9	15.7	0.0	1.6	6.2	15.0	16.3
Scotland	423	25.0	7.0	1.7	65.6	0.7	65.6	0.0	0.1	0.5	66.9	64.4
Singapore	888	2.6	1.6	1.4	94.0	0.4	94.0	0.0	0.2	0.3	94.9	93.3
Slovenia	331	31.7	16.0	2.7	47.3	2.2	47.3	0.3	1.2	0.8	47.2	47.5
Thailand	424	18.1	5.0	1.0	75.3	0.6	75.3	0.0	0.2	0.4	76.0	74.8
United States	923	11.4	5.0	1.5	80.4	1.7	80.4	0.0	0.3	1.4	82.2	78.5
INTERNATIONAL AVG	.	22.4	10.6	3.8	60.6	2.6	60.6	0.2	0.7	1.8	61.8	59.5

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

Item: J08 KEY: C
 Word problem: best estimate of $57 + 62 + 59$. (Measurement, Estimation, & Number Sense)
 Difficulty: 591

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	811	5.9	15.5	57.6	17.6	3.3	57.6	0.0	0.2	3.1	55.2	59.9
Austria	330	4.5	14.5	61.3	11.3	8.5	61.3	0.6	0.8	7.1	62.7	61.8
Canada	1041	4.8	14.4	64.7	13.2	2.9	64.7	0.0	0.0	2.9	65.9	61.6
Cyprus	416	8.5	21.3	37.6	25.4	7.1	37.6	0.0	0.8	6.3	29.9	45.0
Czech Republic	415	5.1	15.9	60.8	12.5	5.8	60.8	0.8	0.4	4.6	59.7	62.2
England	386	7.8	19.9	45.9	22.2	4.3	45.9	0.0	0.0	4.3	40.4	51.0
Greece	385	10.8	27.2	32.2	16.7	13.1	32.2	0.2	1.6	11.3	35.2	28.7
Hong Kong	543	4.8	16.0	72.1	6.5	0.6	72.1	0.0	0.3	0.3	73.2	71.5
Hungary	392	4.1	14.2	60.5	17.8	3.4	60.5	0.0	1.1	2.3	58.2	61.8
Iceland	226	15.2	19.7	34.5	19.6	11.0	34.5	0.0	3.1	7.9	35.7	32.9
Iran, Islamic Rep.	427	13.0	23.8	23.3	28.2	11.7	23.3	0.6	1.3	9.8	23.1	23.5
Ireland	356	3.9	19.8	57.7	16.0	2.5	57.7	0.3	0.0	2.2	59.7	55.9
Israel	313	4.1	13.3	66.0	9.9	6.7	66.0	0.3	2.8	3.6	64.9	67.5
Japan	532	6.0	11.9	74.6	6.8	0.7	74.6	0.0	0.0	0.7	74.8	74.3
Korea	350	1.2	14.0	78.0	6.8	0.0	78.0	0.0	0.0	0.0	75.7	80.0
Kuwait	525	9.2	20.1	20.3	36.8	13.6	20.3	0.0	1.9	11.8	15.1	25.1
Latvia (LSS)	278	8.4	24.7	39.0	17.0	10.9	39.0	0.0	1.2	9.7	40.7	37.5
Netherlands	306	3.5	14.8	66.3	12.7	2.7	66.3	2.0	0.0	0.6	59.7	74.8
New Zealand	301	11.1	17.3	42.4	23.4	5.8	42.4	0.0	0.8	5.0	44.2	40.6
Norway	273	9.0	17.1	40.3	25.7	7.8	40.3	0.0	1.7	6.1	38.7	41.9
Portugal	356	8.3	20.8	34.3	26.4	10.2	34.3	0.0	2.5	7.7	33.0	35.3
Scotland	423	7.5	21.0	46.6	21.4	3.5	46.6	0.0	0.1	3.4	45.6	47.6
Singapore	888	3.2	9.6	80.1	6.7	0.4	80.1	0.0	0.2	0.2	81.1	79.3
Slovenia	331	5.4	21.8	45.3	22.5	5.1	45.3	0.5	1.2	3.4	41.4	48.6
Thailand	424	17.2	32.3	28.4	20.5	1.6	28.4	0.0	0.2	1.3	29.9	27.2
United States	923	4.7	11.9	71.1	9.9	2.3	71.1	0.0	0.3	2.1	74.5	67.6
INTERNATIONAL AVG	.	7.2	18.2	51.6	17.4	5.6	51.6	0.2	0.9	4.5	50.7	52.4

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

Item: J09 KEY: D

Given chart with consecutive numbers in rows, extend pattern to find the number in square. (Whole Numbers)

Difficulty: 460

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	811	4.7	3.3	5.6	84.4	2.0	84.4	0.0	0.6	1.3	87.9	80.9
Austria	330	6.0	2.3	8.0	80.6	3.1	80.6	0.1	1.2	1.7	80.4	81.3
Canada	1041	3.8	3.5	7.4	83.6	1.8	83.6	0.0	0.3	1.5	82.2	83.1
Cyprus	416	6.5	4.7	9.0	71.7	8.1	71.7	0.0	1.4	6.7	70.9	72.4
Czech Republic	415	6.4	2.8	9.2	75.3	6.2	75.3	0.4	1.0	4.8	72.3	79.3
England	386	5.4	3.5	7.1	82.5	1.5	82.5	0.0	0.2	1.2	82.9	82.2
Greece	384	10.9	5.0	14.7	59.0	10.5	59.0	0.9	3.1	6.5	66.7	49.8
Hong Kong	543	5.9	2.3	7.0	83.7	1.1	83.7	0.0	0.3	0.8	86.7	81.3
Hungary	392	5.8	2.6	8.3	77.4	5.9	77.4	0.0	1.3	4.6	78.2	76.8
Iceland	226	13.9	6.2	13.2	59.7	7.0	59.7	0.0	4.7	2.3	59.4	60.0
Iran, Islamic Rep.	427	15.4	12.0	18.6	39.8	14.2	39.8	0.7	1.8	11.7	42.4	37.2
Ireland	356	3.7	3.3	8.0	82.7	2.4	82.7	1.0	0.0	1.4	80.0	85.1
Israel	310	5.0	3.0	13.0	71.9	7.1	71.9	0.0	3.4	3.6	72.5	72.3
Japan	532	2.7	2.1	4.7	89.6	0.9	89.6	0.0	0.0	0.9	87.0	92.3
Korea	350	2.0	1.7	3.5	91.2	1.6	91.2	0.0	0.0	1.6	89.4	92.8
Kuwait	526	12.5	16.2	21.3	37.8	12.2	37.8	0.0	2.3	10.0	43.5	32.3
Latvia (LSS)	278	9.6	5.5	9.6	66.0	9.4	66.0	0.0	2.2	7.1	65.8	66.1
Netherlands	306	1.1	1.5	3.7	92.0	1.6	92.0	1.0	0.0	0.6	90.7	93.1
New Zealand	301	6.6	6.2	9.6	72.6	5.1	72.6	0.0	1.5	3.6	75.8	69.5
Norway	273	7.9	4.0	14.5	67.5	6.0	67.5	0.0	1.9	4.1	67.6	67.4
Portugal	356	6.9	4.4	17.3	62.2	9.1	62.2	0.0	3.0	6.1	59.9	64.1
Scotland	423	5.8	3.1	7.5	80.3	3.4	80.3	0.0	0.7	2.7	80.9	80.1
Singapore	888	4.5	2.7	8.0	84.5	0.4	84.5	0.0	0.2	0.2	87.0	82.3
Slovenia	331	5.4	3.2	11.8	76.6	3.0	76.6	0.0	1.2	1.8	77.5	76.2
Thailand	424	14.5	9.2	24.0	50.3	1.9	50.3	0.0	0.4	1.5	52.9	48.3
United States	923	4.9	2.3	7.3	82.7	2.8	82.7	0.0	0.3	2.5	82.2	83.3
INTERNATIONAL AVG	.	6.8	4.5	10.5	73.3	4.9	73.3	0.2	1.3	3.5	73.9	72.7

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: K01 KEY: A
 Shown figure with overlapping shapes, which number is in square and circle, but not in triangle? (Geometry)
 Difficulty: 509

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	76.0	4.4	3.8	12.5	3.3	76.0	0.0	0.0	3.3	78.2	74.2
Austria	327	68.3	4.0	5.6	13.1	8.9	68.3	5.7	0.0	3.2	68.4	69.7
Canada	1078	78.3	4.2	4.3	9.0	4.1	78.3	3.3	0.0	0.8	78.6	78.3
Cyprus	414	59.7	8.9	7.8	13.4	10.3	59.7	8.5	0.4	1.4	60.1	59.3
Czech Republic	404	86.6	5.8	1.7	3.3	2.6	86.6	1.7	0.0	0.9	88.4	84.6
England	391	74.1	4.6	2.6	11.7	7.0	74.1	0.0	0.0	7.0	76.2	72.1
Greece	390	54.1	5.4	9.1	15.5	15.8	54.1	10.8	0.4	4.7	62.9	45.0
Hong Kong	548	70.1	8.8	6.7	12.7	1.7	70.1	0.6	0.2	0.9	70.0	70.2
Hungary	380	82.7	3.4	3.7	7.9	2.3	82.7	0.0	0.9	1.4	82.4	83.2
Iceland	219	59.1	6.8	8.5	19.9	5.7	59.1	4.8	0.0	0.9	59.8	58.3
Iran, Islamic Rep.	426	58.5	9.7	8.3	11.5	12.0	58.5	7.7	0.1	4.2	64.1	53.5
Ireland	375	68.6	5.6	5.5	12.2	8.1	68.6	6.3	0.2	1.5	71.4	65.8
Israel	324	65.9	8.5	6.5	12.9	6.2	65.9	2.9	1.2	2.1	68.4	63.9
Japan	543	56.3	6.5	8.1	24.8	4.2	56.3	4.2	0.0	0.0	56.9	55.6
Korea	355	38.4	23.2	18.5	19.6	0.3	38.4	0.0	0.0	0.3	37.6	39.3
Kuwait	527	48.6	18.6	10.0	14.1	8.8	48.6	0.0	0.9	7.9	55.9	41.8
Latvia (LSS)	273	56.5	9.3	7.7	11.4	15.0	56.5	0.0	0.3	14.7	57.0	56.0
Netherlands	316	69.9	7.3	3.8	9.8	9.1	69.9	9.1	0.0	0.0	72.9	68.2
New Zealand	302	70.5	2.9	3.3	15.2	8.1	70.5	0.0	1.3	6.8	78.5	61.6
Norway	278	58.6	9.7	11.8	11.9	8.0	58.6	1.5	0.9	5.6	56.8	59.8
Portugal	362	57.8	7.3	6.6	12.5	15.7	57.8	0.0	0.1	15.5	61.1	54.5
Scotland	417	69.1	6.3	4.6	15.7	4.3	69.1	4.1	0.0	0.2	69.4	68.9
Singapore	901	63.5	12.4	9.8	13.7	0.4	63.5	0.0	0.0	0.4	65.1	62.0
Slovenia	331	71.6	5.1	5.1	12.0	6.2	71.6	3.3	0.0	2.9	75.2	67.5
Thailand	393	49.5	10.7	10.1	28.3	1.4	49.5	0.2	0.0	1.2	54.7	45.5
United States	913	74.4	6.0	3.7	13.4	2.6	74.4	0.2	0.0	2.3	72.7	76.2
INTERNATIONAL AVG	.	64.9	7.9	6.8	13.8	6.6	64.9	2.9	0.3	3.5	67.0	62.9

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

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Math Item Categories - FOURTH GRADE

May 14, 1998 57

Item: K02 KEY: C
 Add: 6971 + 5291 (Whole Numbers)
 Difficulty: 429

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	9.5	9.8	76.0	3.5	1.2	76.0	0.0	0.0	1.2	82.8	69.4
Austria	327	0.5	8.3	90.8	0.0	0.4	90.8	0.0	0.0	0.4	88.4	93.4
Canada	1078	4.9	5.5	86.7	1.4	1.5	86.7	0.3	0.0	1.3	89.0	84.7
Cyprus	414	1.1	4.1	92.8	0.7	1.3	92.8	0.0	0.4	0.9	93.7	92.4
Czech Republic	404	1.4	5.3	92.6	0.0	0.8	92.6	0.2	0.0	0.5	93.9	91.0
England	391	13.0	14.5	60.5	7.2	4.8	60.5	0.0	0.0	4.8	69.2	52.6
Greece	390	11.4	3.2	81.1	0.0	4.3	81.1	0.0	0.4	3.9	86.8	75.2
Hong Kong	548	1.8	6.5	90.1	0.9	0.8	90.1	0.0	0.2	0.7	93.1	88.0
Hungary	380	2.3	8.1	85.8	0.5	3.3	85.8	0.0	0.9	2.4	88.9	82.1
Iceland	219	7.1	10.0	78.8	2.4	1.7	78.8	0.0	0.0	1.7	81.7	75.6
Iran, Islamic Rep.	426	4.1	7.3	80.3	2.8	5.5	80.3	0.0	0.1	5.4	82.4	78.5
Ireland	375	2.0	4.6	92.4	0.0	1.1	92.4	0.5	0.2	0.4	93.0	91.7
Israel	324	3.1	6.9	84.6	1.5	3.9	84.6	0.0	1.2	2.7	91.0	81.7
Japan	543	1.1	4.7	93.4	0.6	0.2	93.4	0.0	0.0	0.2	93.0	93.8
Korea	355	0.2	3.1	96.0	0.3	0.3	96.0	0.0	0.0	0.3	96.7	95.4
Kuwait	527	7.2	12.5	72.0	5.4	2.8	72.0	0.0	0.9	1.9	78.7	65.8
Latvia (LSS)	273	1.9	9.6	85.5	1.1	1.8	85.5	0.0	0.8	0.9	87.9	83.0
Netherlands	316	2.8	6.0	89.9	0.6	0.7	89.9	0.7	0.0	0.0	89.9	89.8
New Zealand	302	11.6	12.9	69.0	4.1	2.4	69.0	0.0	1.3	1.1	71.6	66.0
Norway	278	5.7	11.3	75.9	3.0	4.1	75.9	0.0	0.9	3.2	85.3	70.0
Portugal	362	4.8	6.3	86.2	0.7	1.9	86.2	0.0	0.1	1.8	89.0	83.4
Scotland	417	10.8	8.7	72.7	3.4	4.3	72.7	0.0	0.0	4.3	76.7	68.7
Singapore	901	1.8	3.4	94.5	0.3	0.0	94.5	0.0	0.0	0.0	95.5	93.6
Slovenia	331	1.9	4.5	90.7	0.7	2.3	90.7	0.0	0.0	2.3	90.3	90.8
Thailand	393	2.2	3.9	90.7	1.6	1.6	90.7	0.0	0.0	1.6	88.8	92.2
United States	913	3.5	7.8	85.9	0.4	2.4	85.9	0.0	0.0	2.4	86.4	85.4
INTERNATIONAL AVG	.	4.5	7.3	84.4	1.7	2.1	84.4	0.1	0.3	1.8	87.1	82.1

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

Item: K03 KEY: D
 Which pair of numbers follows the rule 'multiply by 5'? (Patterns, Relations and Functions)
 Difficulty: 589

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	23.7	8.6	8.3	53.9	5.7	53.9	0.0	0.0	5.7	53.3	54.5
Austria	327	27.6	9.1	3.3	46.6	13.4	46.6	2.3	0.0	11.2	48.6	44.6
Canada	1078	26.3	11.0	6.1	50.5	6.2	50.5	2.5	0.0	3.6	49.9	50.1
Cyprus	414	21.7	6.2	9.4	47.9	14.8	47.9	1.2	0.4	13.2	47.6	47.2
Czech Republic	404	24.2	4.9	3.9	56.1	10.9	56.1	3.0	0.0	7.9	55.5	56.8
England	391	24.1	12.9	11.5	41.8	9.8	41.8	0.0	0.0	9.8	43.5	40.2
Greece	390	17.6	8.6	9.4	41.2	23.3	41.2	0.4	0.7	22.1	46.7	35.5
Hong Kong	549	16.1	5.7	4.2	71.3	2.7	71.3	1.6	0.2	1.0	76.8	67.4
Hungary	380	14.8	6.1	2.4	68.1	8.6	68.1	0.0	0.9	7.7	70.8	66.8
Iceland	219	29.0	9.5	6.9	49.8	4.7	49.8	1.3	0.0	3.4	52.8	46.5
Iran, Islamic Rep.	426	31.2	7.3	9.6	38.1	13.9	38.1	2.7	0.1	11.0	35.7	40.2
Ireland	375	15.7	7.3	3.4	62.1	11.4	62.1	6.6	0.2	4.6	60.6	63.7
Israel	324	19.6	6.8	4.4	58.5	10.7	58.5	1.1	1.2	8.4	60.9	56.9
Japan	543	11.0	9.3	4.3	73.1	2.3	73.1	1.2	0.0	1.2	69.5	76.7
Korea	355	12.7	3.8	3.7	79.6	0.3	79.6	0.0	0.0	0.3	79.9	79.2
Kuwait	527	32.4	13.7	9.1	30.7	14.1	30.7	0.0	0.9	13.3	34.3	27.3
Latvia (LSS)	273	29.8	4.4	2.0	53.1	10.8	53.1	0.0	0.8	9.9	50.3	55.9
Netherlands	316	31.4	12.9	8.7	36.2	10.7	36.2	10.7	0.0	0.0	34.2	38.5
New Zealand	302	22.5	15.9	13.8	41.8	6.0	41.8	0.0	1.3	4.7	43.9	39.5
Norway	278	27.4	7.3	5.1	45.9	14.2	45.9	0.7	1.3	12.2	48.4	44.0
Portugal	362	18.7	10.5	9.1	40.0	21.8	40.0	0.0	0.1	21.6	35.4	44.7
Scotland	417	19.8	11.7	7.4	48.8	12.3	48.8	4.8	0.0	7.5	49.2	48.5
Singapore	901	22.5	4.8	6.2	65.6	0.9	65.6	0.0	0.0	0.9	63.1	67.9
Slovenia	331	22.7	4.8	2.9	60.8	8.9	60.8	2.2	0.0	6.7	61.1	60.3
Thailand	393	26.6	15.0	13.4	43.7	1.4	43.7	0.0	0.0	1.4	44.8	42.9
United States	913	20.9	6.4	4.3	65.3	3.0	65.3	0.0	0.0	3.0	64.2	66.5
INTERNATIONAL AVG	.	22.7	8.6	6.6	52.7	9.3	52.7	1.6	0.3	7.4	53.1	52.4

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

Item: K04 KEY: A

Add points from various rounds of a game to determine who won game and by how much. (Data Rep., Analysis and Probability)

Difficulty: 595

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	54.8	15.2	13.1	14.3	2.6	54.8	0.0	0.0	2.6	53.9	55.8
Austria	327	66.3	8.5	11.5	10.7	3.1	66.3	0.3	0.7	2.1	63.0	70.7
Canada	1078	47.2	20.8	11.7	17.7	2.6	47.2	0.2	0.0	2.3	43.6	50.0
Cyprus	414	25.3	12.2	7.0	48.7	6.8	25.3	0.8	0.4	5.6	19.9	30.4
Czech Republic	404	70.0	9.4	10.2	7.2	3.1	70.0	1.1	0.0	2.0	71.3	68.5
England	391	45.3	16.4	12.4	21.6	4.3	45.3	0.0	0.0	4.3	44.0	46.5
Greece	390	39.1	13.6	17.0	17.8	12.5	39.1	1.8	0.7	10.0	46.0	31.9
Hong Kong	549	62.0	10.0	14.1	11.0	2.9	62.0	1.5	0.2	1.3	61.6	62.6
Hungary	380	37.4	16.8	8.8	31.2	5.8	37.4	0.0	0.9	4.9	38.4	36.6
Iceland	219	35.6	20.2	17.2	18.8	8.2	35.6	1.5	0.5	6.3	35.0	36.2
Iran, Islamic Rep.	.	.	.	.	.	.	.	.	.	.	.	.
Ireland	375	68.9	7.1	8.3	12.4	3.3	68.9	0.8	0.2	2.3	71.3	66.4
Israel	324	57.1	12.6	13.8	9.9	6.6	57.1	0.3	2.0	4.3	60.2	55.1
Japan	543	65.0	13.3	11.6	8.7	1.3	65.0	0.6	0.0	0.7	62.4	67.7
Korea	355	52.7	37.8	4.5	4.5	0.5	52.7	0.0	0.0	0.5	50.4	54.9
Kuwait	527	10.2	25.2	12.1	40.9	11.7	10.2	0.0	1.3	10.4	7.2	13.0
Latvia (LSS)	273	43.0	4.6	17.1	23.0	12.4	43.0	0.0	0.8	11.6	44.9	41.0
Netherlands	316	69.6	7.6	12.4	7.6	2.8	69.6	2.8	0.0	0.0	70.1	70.7
New Zealand	302	49.1	12.2	15.7	19.0	4.0	49.1	0.0	1.3	2.7	46.3	52.2
Norway	278	38.5	13.1	10.6	27.6	10.2	38.5	3.5	2.0	4.6	34.5	41.3
Portugal	362	33.6	17.2	8.7	29.0	11.6	33.6	0.0	0.4	11.1	30.5	36.7
Scotland	417	53.2	13.1	11.9	17.7	4.1	53.2	2.1	0.0	2.1	52.2	54.2
Singapore	901	71.4	10.9	8.7	8.6	0.5	71.4	0.0	0.0	0.5	71.1	71.7
Slovenia	331	62.6	7.4	11.3	15.1	3.6	62.6	1.1	0.0	2.5	60.8	63.7
Thailand	393	28.2	23.3	15.5	31.0	2.0	28.2	0.0	0.0	2.0	35.7	22.2
United States	913	52.5	17.7	12.4	13.9	3.5	52.5	0.0	0.0	3.5	52.8	52.2
INTERNATIONAL AVG	.	49.5	14.6	11.9	18.7	5.2	49.5	0.7	0.5	4.0	49.1	50.1

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: K05 KEY: B
 About how many centimeters is this picture of a pencil? (Measurement, Estimation, & Number Sense)
 Difficulty: 450

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	4.9	76.4	14.6	3.0	1.1	76.4	0.0	0.2	0.9	76.1	76.7
Austria	327	3.7	88.8	4.4	2.2	0.9	88.8	0.0	0.7	0.2	91.3	87.1
Canada	1078	8.3	71.5	14.6	5.0	0.6	71.5	0.0	0.0	0.5	73.9	70.5
Cyprus	414	5.2	86.4	5.6	1.7	1.2	86.4	0.0	0.4	0.7	85.0	88.3
Czech Republic	404	2.0	91.1	5.0	1.5	0.4	91.1	0.2	0.2	0.0	90.1	92.1
England	391	9.2	67.8	18.4	4.3	0.2	67.8	0.0	0.0	0.2	69.2	66.6
Greece	390	14.0	63.2	9.0	6.1	7.7	63.2	0.6	0.7	6.4	69.9	56.2
Hong Kong	548	3.7	90.9	3.7	0.8	0.9	90.9	0.0	0.2	0.8	92.6	89.7
Hungary	380	7.3	77.9	8.6	4.5	1.7	77.9	0.0	0.9	0.8	79.8	75.9
Iceland	219	10.5	68.5	8.3	10.2	2.6	68.5	0.0	1.1	1.4	75.5	60.8
Iran, Islamic Rep.	426	12.0	66.0	9.3	9.8	2.9	66.0	0.2	0.4	2.3	66.6	65.5
Ireland	375	7.7	79.0	9.1	2.7	1.5	79.0	0.4	0.6	0.4	79.3	78.7
Israel	324	14.5	65.7	10.8	5.9	3.2	65.7	0.0	2.0	1.2	63.8	67.9
Japan	543	4.4	87.9	7.2	0.3	0.2	87.9	0.0	0.0	0.2	88.6	87.1
Korea	355	4.1	85.5	9.0	1.1	0.3	85.5	0.0	0.0	0.3	82.9	87.9
Kuwait	527	13.7	67.4	8.6	6.6	3.6	67.4	0.0	1.8	1.8	70.0	65.1
Latvia (LSS)	273	4.5	85.0	8.2	1.6	0.8	85.0	0.0	0.8	0.0	83.2	86.8
Netherlands	316	5.2	77.2	14.5	2.8	0.3	77.2	0.3	0.0	0.0	72.4	81.5
New Zealand	302	8.5	71.4	11.2	6.2	2.8	71.4	0.0	1.3	1.5	76.5	65.8
Norway	278	5.4	79.1	8.0	2.2	5.3	79.1	0.0	2.8	2.5	79.0	79.4
Portugal	362	10.8	66.0	11.9	7.1	4.2	66.0	0.0	0.4	3.8	65.0	67.0
Scotland	417	9.0	69.3	17.1	4.0	0.6	69.3	0.0	0.0	0.6	63.9	74.6
Singapore	901	3.2	91.0	3.8	1.9	0.1	91.0	0.0	0.0	0.1	92.9	89.1
Slovenia	331	5.4	83.6	8.6	1.9	0.6	83.6	0.4	0.0	0.2	81.2	86.6
Thailand	393	8.9	83.9	3.9	2.4	0.8	83.9	0.0	0.0	0.8	86.1	82.4
United States	913	15.9	54.7	19.1	7.7	2.5	54.7	0.0	0.0	2.5	54.0	55.4
INTERNATIONAL AVG	.	7.8	76.7	9.7	4.0	1.8	76.7	0.1	0.6	1.2	77.3	76.3

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

Item: K06 KEY: C
 Extend pattern of figures to determine number of tiles in the sixth figure. (Patterns, Relations and Functions)
 Difficulty: 530

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	18.1	5.3	64.8	9.1	2.7	64.8	0.0	0.4	2.3	63.2	66.3
Austria	327	16.3	4.5	68.1	6.2	5.0	68.1	0.0	0.7	4.4	58.6	77.2
Canada	1078	23.3	5.0	60.1	9.9	1.7	60.1	0.0	0.4	1.3	61.0	59.7
Cyprus	414	26.4	7.1	55.5	6.9	4.0	55.5	0.1	0.4	3.5	53.1	57.6
Czech Republic	404	16.3	2.5	72.1	8.1	1.0	72.1	0.3	0.2	0.5	72.3	71.9
England	391	24.8	7.9	53.7	11.1	2.5	53.7	0.0	0.0	2.5	55.0	52.5
Greece	390	21.7	8.4	50.2	8.7	11.0	50.2	0.0	0.7	10.2	49.9	50.6
Hong Kong	548	13.9	4.6	76.5	2.9	2.0	76.5	0.3	0.2	1.5	77.5	75.8
Hungary	380	13.8	4.0	65.3	12.9	3.9	65.3	0.0	0.9	3.0	66.0	65.5
Iceland	219	21.1	9.5	51.6	10.1	7.7	51.6	0.0	1.4	6.3	47.0	56.7
Iran, Islamic Rep.	426	39.3	7.9	38.8	6.8	7.2	38.8	0.1	0.5	6.7	35.3	42.0
Ireland	375	18.3	4.0	68.1	7.6	2.0	68.1	0.0	0.6	1.4	69.5	66.6
Israel	324	22.1	6.1	56.2	9.2	6.3	56.2	0.0	2.0	4.3	55.3	60.2
Japan	543	7.2	4.6	85.5	2.2	0.5	85.5	0.0	0.0	0.5	85.0	86.0
Korea	355	5.9	3.1	87.4	3.3	0.3	87.4	0.0	0.0	0.3	85.8	89.0
Kuwait	527	27.5	13.8	41.2	9.6	7.9	41.2	0.0	2.2	5.7	45.1	37.7
Latvia (LSS)	273	14.8	2.2	72.1	9.0	1.9	72.1	0.0	0.8	1.0	72.2	71.9
Netherlands	316	7.5	3.2	83.0	5.4	1.0	83.0	1.0	0.0	0.0	85.6	80.8
New Zealand	302	27.4	6.6	49.2	13.5	3.4	49.2	0.0	1.3	2.1	56.5	41.1
Norway	278	25.2	5.9	49.0	9.4	10.5	49.0	0.0	2.8	7.7	46.7	48.9
Portugal	362	19.3	5.9	56.5	10.9	7.4	56.5	0.0	0.4	7.0	49.5	63.7
Scotland	417	20.9	6.2	60.6	10.0	2.3	60.6	0.3	0.0	2.0	58.1	63.0
Singapore	901	17.2	4.6	74.5	3.4	0.3	74.5	0.0	0.0	0.3	74.6	74.4
Slovenia	331	14.3	4.5	71.7	6.0	3.4	71.7	0.3	0.0	3.1	71.0	72.0
Thailand	393	22.2	8.4	58.5	9.6	1.2	58.5	0.0	0.0	1.2	61.6	55.9
United States	913	24.1	5.2	59.3	8.2	3.2	59.3	0.0	0.1	3.2	59.9	58.7
INTERNATIONAL AVG	.	19.6	5.8	62.7	8.1	3.9	62.7	0.1	0.6	3.2	62.1	63.3

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

Item: K07 KEY: B

A 20 cm wire is formed into a rectangle with width 4cm. What is the length? (Measurement, Estimation, & Number Sense)

Difficulty: 709

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	20.0	23.0	30.0	24.9	2.1	23.0	0.0	0.4	1.7	24.4	21.5
Austria	326	29.7	23.0	14.5	27.7	5.0	23.0	0.0	0.8	4.2	25.2	21.9
Canada	1078	20.0	22.8	29.9	25.5	1.7	22.8	0.0	0.4	1.2	22.2	22.9
Cyprus	414	38.9	28.3	13.7	14.4	4.7	28.3	0.0	1.2	3.5	25.5	30.7
Czech Republic	404	39.6	16.1	19.1	22.9	2.3	16.1	0.8	0.2	1.3	13.9	18.5
England	391	14.1	29.0	29.7	24.2	3.1	29.0	0.0	0.0	3.1	31.9	26.3
Greece	390	23.3	16.0	20.2	29.5	11.1	16.0	0.0	0.7	10.3	15.1	16.9
Hong Kong	548	29.4	28.9	19.7	21.2	0.8	28.9	0.0	0.2	0.7	27.1	30.1
Hungary	380	28.5	15.2	18.6	32.6	5.2	15.2	0.0	1.4	3.8	12.2	18.3
Iceland	219	26.3	12.4	22.5	26.7	12.1	12.4	0.0	2.6	9.5	14.1	10.6
Iran, Islamic Rep.	426	36.8	16.0	13.9	25.4	7.8	16.0	0.2	1.2	6.4	11.8	19.8
Ireland	375	27.8	20.1	21.2	27.7	3.2	20.1	0.2	0.6	2.3	20.9	19.2
Israel	324	35.8	17.1	14.8	25.8	6.5	17.1	0.3	2.2	4.0	16.9	17.9
Japan	543	34.1	32.2	12.5	20.7	0.5	32.2	0.0	0.0	0.5	27.7	36.9
Korea	355	43.2	38.3	3.4	14.8	0.3	38.3	0.0	0.0	0.3	35.8	40.8
Kuwait	527	24.5	21.5	15.5	29.8	8.8	21.5	0.0	3.3	5.5	20.3	22.7
Latvia (LSS)	273	43.9	23.5	11.7	18.9	2.0	23.5	0.0	0.8	1.2	24.3	22.7
Netherlands	316	22.5	35.3	17.0	24.9	0.3	35.3	0.3	0.0	0.0	39.3	32.0
New Zealand	302	18.0	22.7	29.9	26.0	3.5	22.7	0.0	1.9	1.6	21.3	24.3
Norway	278	13.6	18.5	30.7	25.0	12.1	18.5	0.0	3.4	8.7	24.2	15.4
Portugal	362	20.7	18.3	22.6	30.5	7.9	18.3	0.0	0.7	7.2	14.9	21.8
Scotland	417	20.4	24.4	26.7	26.8	1.7	24.4	0.0	0.0	1.7	27.1	21.7
Singapore	901	29.2	46.5	9.5	14.2	0.6	46.5	0.0	0.0	0.6	42.8	49.8
Slovenia	331	43.6	20.1	14.1	19.7	2.5	20.1	0.0	0.0	2.5	16.5	24.0
Thailand	393	29.8	14.7	22.5	31.6	1.4	14.7	0.0	0.0	1.4	13.6	15.6
United States	913	21.8	23.3	24.2	26.8	3.9	23.3	0.0	0.1	3.8	23.2	23.3
INTERNATIONAL AVG	.	28.3	23.4	19.5	24.6	4.3	23.4	0.1	0.9	3.3	22.8	24.1

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: K08 KEY: D
 Which of the following rectangles is not divided into 4 equal parts? (Geometry)
 Difficulty: 477

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	1.3	8.0	4.0	84.0	2.7	84.0	0.0	0.4	2.4	86.9	81.4
Austria	326	1.4	10.6	2.4	83.1	2.6	83.1	0.9	0.8	0.9	83.0	84.2
Canada	1078	1.6	13.0	3.3	78.0	4.0	78.0	2.2	0.5	1.4	78.1	77.1
Cyprus	414	3.9	12.2	8.8	66.5	8.8	66.5	1.5	1.2	6.1	67.0	65.9
Czech Republic	404	1.3	7.5	5.4	81.6	4.2	81.6	2.6	0.4	1.2	79.4	84.0
England	391	3.7	11.1	7.2	75.2	2.7	75.2	0.0	0.0	2.7	76.7	73.9
Greece	390	2.8	15.4	13.8	51.9	16.1	51.9	2.5	0.7	12.9	55.2	48.6
Hong Kong	548	3.0	6.8	8.9	78.2	3.1	78.2	0.4	0.2	2.6	77.2	79.0
Hungary	380	0.0	10.7	4.8	77.5	7.0	77.5	0.0	1.4	5.6	80.2	74.6
Iceland	219	3.3	6.1	3.8	75.2	11.5	75.2	0.6	3.8	7.1	75.5	74.9
Iran, Islamic Rep.	426	25.5	11.5	11.1	37.9	14.1	37.9	4.4	1.2	8.5	37.9	37.9
Ireland	375	1.8	8.2	4.8	82.8	2.5	82.8	0.4	0.6	1.5	84.0	81.5
Israel	324	4.3	11.0	6.3	71.6	7.0	71.6	0.5	2.6	3.8	78.1	71.2
Japan	543	1.8	6.1	5.0	86.0	1.1	86.0	0.2	0.0	0.9	88.3	83.7
Korea	355	3.0	4.4	2.5	89.8	0.3	89.8	0.0	0.0	0.3	89.1	90.5
Kuwait	527	20.1	15.0	13.2	34.8	16.8	34.8	0.0	3.7	13.1	41.0	29.1
Latvia (LSS)	272	3.3	5.9	9.1	75.0	6.7	75.0	0.0	0.8	5.9	79.2	70.6
Netherlands	316	0.7	6.7	1.5	88.8	2.3	88.8	2.3	0.0	0.0	90.7	88.0
New Zealand	302	3.1	12.6	9.7	68.8	5.8	68.8	0.0	2.1	3.7	72.5	64.7
Norway	278	2.4	18.0	7.4	62.6	9.5	62.6	2.2	3.6	3.7	66.7	58.7
Portugal	362	6.8	19.4	9.7	49.2	14.9	49.2	0.0	1.4	13.5	51.8	46.5
Scotland	417	1.3	11.5	7.9	77.3	2.1	77.3	0.3	0.0	1.7	78.5	76.1
Singapore	901	1.8	8.2	4.7	84.6	0.7	84.6	0.0	0.1	0.6	85.9	83.4
Slovenia	331	2.4	12.5	2.3	77.5	5.4	77.5	2.0	0.0	3.3	79.3	75.0
Thailand	393	11.1	5.8	8.9	71.4	2.7	71.4	0.2	0.0	2.5	77.5	66.7
United States	913	1.9	7.1	4.2	83.5	3.4	83.5	0.1	0.1	3.1	83.2	83.7
INTERNATIONAL AVG	.	4.4	10.2	6.6	72.8	6.1	72.8	0.9	1.0	4.2	74.7	71.2

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

Item: K09 KEY: B
 54 marbles are equally divided into 6 bags. How many marbles in 2 bags? (Fractions and Proportionality)
 Difficulty: 638

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	810	23.6	37.7	3.4	14.5	18.0	2.8	37.7	0.0	0.4	2.4	38.2	37.2
Austria	326	12.6	58.9	2.0	8.2	14.8	3.5	58.9	0.0	0.8	2.7	57.0	62.5
Canada	1078	31.5	28.8	5.8	14.3	16.5	3.1	28.8	0.4	0.6	2.1	32.2	24.9
Cyprus	414	52.0	23.3	6.9	3.2	9.0	5.6	23.3	0.4	1.2	4.0	22.9	24.0
Czech Republic	404	11.5	59.6	1.6	10.0	14.6	2.7	59.6	0.6	0.4	1.6	59.5	59.8
England	391	20.3	35.5	9.6	16.6	14.2	3.8	35.5	0.0	0.0	3.8	37.8	33.4
Greece	390	43.0	23.3	6.1	6.4	8.2	13.0	23.3	0.2	1.0	11.9	24.5	22.1
Hong Kong	548	32.1	46.6	2.2	2.6	15.4	1.1	46.6	0.0	0.2	0.9	44.6	48.2
Hungary	380	23.1	44.0	3.7	10.9	12.9	5.5	44.0	0.0	1.4	4.0	40.0	49.2
Iceland	219	48.4	18.8	3.9	7.8	11.0	10.2	18.8	0.2	4.3	5.6	18.1	19.5
Iran, Islamic Rep.	426	32.1	13.7	1.8	16.1	29.1	7.1	13.7	0.0	1.7	5.4	11.7	15.5
Ireland	375	19.1	44.4	1.6	18.1	13.7	3.1	44.4	0.0	0.6	2.5	44.7	44.2
Israel	323	22.3	34.4	3.8	9.4	22.6	7.5	34.4	0.3	3.3	3.8	33.8	37.6
Japan	543	11.0	48.9	3.4	10.8	24.6	1.3	48.9	0.0	0.2	1.2	50.7	47.0
Korea	355	9.8	54.3	1.4	9.9	22.9	1.6	54.3	0.0	0.0	1.6	53.1	55.5
Kuwait	525	32.3	19.6	9.8	9.8	18.0	10.5	19.6	0.2	4.0	6.3	20.7	18.6
Latvia (LSS)	270	29.3	45.3	2.4	6.7	11.5	4.7	45.3	0.0	1.3	3.4	48.9	41.7
Netherlands	316	21.2	51.3	2.9	12.6	11.2	0.8	51.3	0.8	0.0	0.0	53.9	49.0
New Zealand	302	21.4	32.6	12.1	16.4	13.3	4.1	32.6	0.0	2.1	2.0	31.8	33.6
Norway	278	63.0	11.7	3.1	5.9	7.0	9.2	11.7	0.0	3.6	5.6	9.6	13.8
Portugal	362	28.8	25.9	4.6	10.3	21.8	8.7	25.9	0.0	1.4	7.3	25.0	26.8
Scotland	417	30.3	32.8	3.5	12.1	17.7	3.6	32.8	0.2	0.2	3.2	32.8	32.8
Singapore	901	9.7	75.7	2.9	5.2	6.2	0.4	75.7	0.0	0.1	0.3	75.8	75.8
Slovenia	331	16.3	46.5	2.0	12.7	19.3	3.2	46.5	0.0	0.0	3.2	44.9	47.9
Thailand	393	27.5	25.3	6.5	15.0	22.7	3.0	25.3	0.0	0.0	3.0	32.7	19.5
United States	913	20.8	35.9	4.5	16.4	18.1	4.2	35.9	0.0	0.3	4.0	34.9	36.8
INTERNATIONAL AVG	.	26.7	37.5	4.3	10.8	15.9	4.8	37.5	0.1	1.1	3.5	37.7	37.6

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

Item: L01
 Given graph showing numbers of trees, how many trees does each symbol represent? (Data Rep., Analysis and Probability)
 Difficulty: 601

COUNTRY	N	10	70	71	72	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
										INVAL ID	REACH ED	OMIT		
Australia	815	50.8	15.9	3.9	5.4	17.3	0.9	5.8	50.8	0.0	0.5	5.3	51.3	50.5
Austria	320	44.6	6.6	0.5	5.2	19.6	6.9	16.7	44.6	0.0	0.0	16.7	41.7	45.6
Canada	1037	49.4	10.0	2.7	6.2	24.7	1.9	5.2	49.4	0.0	0.1	5.1	50.2	52.2
Cyprus	433	49.7	11.0	1.6	6.5	18.3	0.0	13.0	49.7	0.0	0.2	12.8	51.6	47.9
Czech Republic	401	50.9	12.0	4.5	10.0	14.5	2.2	6.0	50.9	0.0	0.0	6.0	46.0	56.3
England	388	49.3	17.2	3.7	3.9	17.8	2.6	5.6	49.3	0.0	0.0	5.6	48.5	50.1
Greece	380	25.0	9.9	1.0	11.6	23.1	0.9	28.5	25.0	0.0	0.4	28.1	21.8	28.1
Hong Kong	549	82.6	1.8	1.0	2.3	11.3	0.0	1.1	82.6	0.0	0.0	1.1	82.4	83.1
Hungary	375	44.1	13.3	3.0	16.7	12.1	3.3	7.4	44.1	0.0	0.4	6.9	41.0	47.5
Iceland	220	54.1	11.4	3.8	3.4	19.6	0.5	7.1	54.1	0.0	1.2	5.9	53.4	54.9
Iran, Islamic Rep.	415	16.3	17.7	4.8	7.9	23.7	4.5	25.1	16.3	0.0	0.6	24.5	14.9	17.6
Ireland	361	61.9	9.1	1.1	6.8	16.7	2.8	1.7	61.9	0.0	0.0	1.7	58.3	65.2
Israel	308	50.8	9.0	1.6	8.1	19.4	1.3	9.8	50.8	0.0	1.3	8.5	45.9	56.3
Japan	539	90.0	1.1	0.9	0.6	6.1	0.0	1.4	90.0	0.0	0.3	1.1	89.7	90.4
Korea	346	62.8	9.4	1.7	12.5	13.7	0.0	0.0	62.8	0.0	0.0	0.0	58.7	66.6
Kuwait	484	7.0	13.3	1.8	11.3	30.4	0.0	36.3	7.0	2.1	0.5	33.6	6.5	7.5
Latvia (LSS)	278	31.2	8.7	0.6	14.7	24.4	0.8	19.5	31.2	0.0	0.8	18.6	31.2	31.2
Netherlands	316	62.6	3.9	2.6	5.7	22.1	0.0	3.1	62.6	0.0	0.0	3.1	64.3	61.1
New Zealand	314	44.7	12.9	3.0	6.3	26.2	0.5	6.5	44.7	0.0	0.0	6.5	46.5	43.2
Norway	289	40.2	13.6	0.9	2.7	21.6	2.0	19.1	40.2	0.0	0.2	18.9	36.7	42.8
Portugal	360	22.5	25.0	3.6	8.3	21.3	1.1	18.4	22.5	0.0	0.3	18.1	21.3	23.8
Scotland	409	56.3	7.8	0.7	5.6	21.0	2.8	5.8	56.3	0.0	0.2	5.6	57.3	55.6
Singapore	890	75.0	5.2	0.3	2.1	16.6	0.1	0.7	75.0	0.0	0.0	0.7	77.0	73.3
Slovenia	304	43.8	9.9	5.0	7.1	23.9	2.8	7.4	43.8	0.0	0.0	7.4	45.1	42.8
Thailand	368	47.7	13.3	4.7	5.0	24.1	0.3	4.9	47.7	0.0	0.1	4.8	49.4	44.9
United States	929	67.6	7.9	2.3	3.3	15.5	0.4	2.9	67.6	0.0	0.0	2.9	63.6	71.8
INTERNATIONAL AVG	.	49.3	10.6	2.3	6.9	19.4	1.5	10.0	49.3	0.1	0.3	9.6	48.3	50.4

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: L02 KEY: A

Given bags containing different numbers of marbles, determine greatest chance of choosing red marble. (Data Rep., Analysis and Probability)

Difficulty: 585

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	815	59.1	6.0	16.2	16.9	1.8	59.1	0.0	0.5	1.3	58.9	59.5
Austria	320	54.3	3.8	18.0	22.7	1.1	54.3	0.4	0.0	0.8	55.4	51.5
Canada	1037	62.6	3.2	22.5	11.1	0.6	62.6	0.1	0.1	0.4	60.4	61.8
Cyprus	433	31.6	5.5	34.9	23.7	4.3	31.6	0.0	0.2	4.1	31.4	32.0
Czech Republic	401	56.2	2.4	14.4	26.2	0.8	56.2	0.2	0.0	0.6	52.2	60.7
England	388	54.6	5.0	22.2	17.7	0.4	54.6	0.0	0.0	0.4	56.7	52.5
Greece	380	30.2	9.4	34.1	21.6	4.7	30.2	0.6	0.4	3.6	25.8	34.6
Hong Kong	553	69.0	3.9	15.6	10.9	0.7	69.0	0.4	0.0	0.3	71.2	67.6
Hungary	375	60.9	3.0	15.5	19.7	0.9	60.9	0.0	0.4	0.5	60.5	62.2
Iceland	220	47.0	6.0	16.3	26.6	4.2	47.0	0.5	1.5	2.2	44.6	49.2
Iran, Islamic Rep.	415	17.1	9.2	37.0	31.5	5.3	17.1	0.9	0.8	3.6	19.8	14.6
Ireland	361	52.0	6.3	21.2	20.3	0.2	52.0	0.2	0.0	0.0	48.6	55.1
Israel	308	50.8	4.6	27.2	14.5	2.9	50.8	0.0	1.6	1.3	52.7	50.2
Japan	539	69.7	8.6	14.6	6.4	0.7	69.7	0.0	0.3	0.5	69.3	70.1
Korea	346	38.8	0.8	53.0	7.2	0.3	38.8	0.0	0.0	0.3	35.9	41.5
Kuwait	541	30.8	12.3	35.9	15.6	5.5	30.8	0.0	0.5	5.0	30.5	31.0
Latvia (LSS)	278	42.1	2.4	20.8	33.4	1.3	42.1	0.0	0.8	0.5	42.2	42.0
Netherlands	316	74.3	2.0	11.9	11.0	0.8	74.3	0.8	0.0	0.0	70.7	77.6
New Zealand	314	55.4	6.5	22.7	13.2	2.2	55.4	0.0	0.6	1.6	59.4	51.9
Norway	289	57.6	5.2	19.8	16.4	1.0	57.6	0.0	0.2	0.8	59.4	56.0
Portugal	360	30.3	8.6	24.9	32.1	4.0	30.3	0.0	0.3	3.7	29.1	31.7
Scotland	409	54.8	4.4	27.6	12.5	0.7	54.8	0.0	0.5	0.1	60.5	49.5
Singapore	890	61.3	5.3	21.4	11.1	0.9	61.3	0.0	0.0	0.9	62.2	60.5
Slovenia	304	49.0	2.7	25.0	22.2	1.1	49.0	0.2	0.0	0.9	49.7	48.7
Thailand	368	38.6	7.0	20.6	32.8	0.9	38.6	0.0	0.3	0.6	41.2	35.4
United States	929	67.8	2.9	19.9	8.1	1.4	67.8	0.1	0.0	1.3	67.0	68.5
INTERNATIONAL AVG	.	50.6	5.3	23.6	18.7	1.9	50.6	0.2	0.3	1.4	50.6	50.6

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Math Item Categories - FOURTH GRADE

May 14, 1998 67

Item: L03 KEY: A
 Shown game board graph, which object is located at (2,D)? (Geometry)
 Difficulty: 383

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	815	94.3	0.9	1.5	1.1	2.1	94.3	0.0	0.5	1.6	95.1	93.5
Austria	320	89.8	2.5	2.9	2.0	2.8	89.8	1.9	0.0	0.9	91.0	88.3
Canada	1037	92.5	1.1	4.4	1.3	0.6	92.5	0.1	0.1	0.4	93.2	95.4
Cyprus	433	83.0	6.7	4.4	2.3	3.6	83.0	2.0	0.2	1.3	84.2	82.2
Czech Republic	401	95.9	0.6	1.3	0.3	1.9	95.9	0.9	0.0	1.0	96.7	95.0
England	388	94.4	0.4	2.7	1.5	1.1	94.4	0.0	0.2	0.9	97.2	91.4
Greece	380	85.7	5.6	2.8	2.6	3.4	85.7	1.8	0.4	1.2	82.0	89.3
Hong Kong	553	92.6	2.5	2.2	1.1	1.7	92.6	1.1	0.0	0.5	92.8	92.7
Hungary	375	88.3	1.2	2.2	2.1	6.2	88.3	0.0	0.4	5.7	88.1	88.5
Iceland	220	92.7	0.5	2.1	1.3	3.5	92.7	0.2	1.8	1.5	91.9	93.4
Iran, Islamic Rep.	415	69.5	6.2	10.5	3.0	10.8	69.5	7.8	0.8	2.1	69.2	69.8
Ireland	361	92.0	2.8	2.2	1.5	1.6	92.0	1.6	0.0	0.0	91.4	92.5
Israel	308	80.4	3.7	7.7	1.5	6.7	80.4	2.7	1.6	2.4	79.9	80.9
Japan	.	.	.	.	.	.	.	.	.	.	.	.
Korea	346	91.4	4.4	1.8	0.6	1.8	91.4	0.0	0.0	1.8	92.7	90.2
Kuwait	541	61.1	10.8	15.4	8.3	4.4	61.1	0.0	0.5	3.9	64.2	58.0
Latvia (LSS)	278	85.3	4.3	5.1	1.8	3.4	85.3	0.0	0.8	2.6	86.5	84.3
Netherlands	316	97.4	0.0	0.9	0.0	1.7	97.4	1.7	0.0	0.0	97.6	97.1
New Zealand	314	93.4	2.1	1.6	0.8	2.1	93.4	0.0	0.6	1.5	92.0	94.7
Norway	289	88.3	2.7	5.1	1.2	2.8	88.3	1.6	0.3	0.8	88.6	88.3
Portugal	360	69.1	6.5	9.4	6.5	8.5	69.1	0.0	0.3	8.2	71.5	66.6
Scotland	409	94.7	0.9	1.5	2.0	0.8	94.7	0.3	0.5	0.0	95.6	93.9
Singapore	890	92.0	2.4	3.5	0.6	1.4	92.0	0.0	0.0	1.4	91.8	92.2
Slovenia	304	93.0	1.8	3.5	0.6	1.1	93.0	0.5	0.0	0.6	93.9	92.1
Thailand	368	80.0	5.7	9.7	4.1	0.5	80.0	0.0	0.3	0.2	80.2	79.8
United States	929	97.1	0.4	0.7	0.4	1.4	97.1	0.1	0.0	1.4	98.4	95.8
INTERNATIONAL AVG	.	87.8	3.1	4.2	1.9	3.0	87.8	1.0	0.4	1.7	88.2	87.4

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

Item: L04 KEY: C
 Shown pattern of shapes, which of the following is arranged in the same pattern? (Patterns, Relations and Functions)
 Difficulty: 488

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	815	3.6	8.2	78.2	6.5	3.5	78.2	0.0	0.5	3.0	80.2	76.5
Austria	320	2.2	4.3	85.2	2.5	5.9	85.2	0.0	0.0	5.9	85.3	84.5
Canada	1037	3.6	6.2	77.8	10.7	1.7	77.8	0.5	0.1	1.1	72.0	82.4
Cyprus	433	7.0	16.2	52.4	9.6	14.8	52.4	2.8	0.4	11.6	55.7	49.1
Czech Republic	401	4.4	4.3	80.2	6.3	4.7	80.2	0.2	0.0	4.4	83.4	76.8
England	388	5.3	8.1	74.9	8.5	3.2	74.9	0.0	0.2	3.0	78.5	71.0
Greece	380	5.0	3.8	51.0	2.0	38.1	51.0	4.7	0.4	33.0	50.8	51.3
Hong Kong	553	4.1	5.7	82.5	4.4	3.4	82.5	0.3	0.0	3.1	83.2	81.6
Hungary	375	3.6	6.0	79.7	3.2	7.5	79.7	0.0	0.7	6.8	82.5	77.6
Iceland	220	7.9	9.6	67.0	8.4	7.2	67.0	0.8	2.1	4.3	67.9	66.1
Iran, Islamic Rep.	415	11.6	17.3	53.7	8.9	8.5	53.7	1.3	0.9	6.3	58.4	49.3
Ireland	361	4.2	8.5	75.1	6.8	5.4	75.1	2.7	0.0	2.7	71.5	78.5
Israel	308	8.1	10.6	68.8	4.0	8.4	68.8	0.6	1.6	6.2	76.6	61.4
Japan	539	1.5	5.9	91.1	0.9	0.6	91.1	0.2	0.3	0.2	93.2	89.0
Korea	346	2.2	3.2	92.8	1.8	0.0	92.8	0.0	0.0	0.0	93.0	92.5
Kuwait	535	12.7	23.8	44.5	11.1	7.9	44.5	0.0	0.7	7.2	52.5	36.6
Latvia (LSS)	278	3.3	4.2	82.1	1.6	8.7	82.1	0.0	0.8	7.9	85.7	78.7
Netherlands	316	3.2	4.1	83.8	5.9	3.0	83.8	3.0	0.0	0.0	86.7	80.4
New Zealand	314	1.9	4.7	71.1	17.0	5.4	71.1	0.0	0.6	4.8	78.2	64.7
Norway	289	7.1	16.8	64.6	4.2	7.2	64.6	1.5	0.3	5.4	70.1	59.4
Portugal	360	9.5	13.2	58.0	2.4	17.0	58.0	0.0	0.3	16.7	60.3	56.1
Scotland	409	4.1	8.4	73.5	10.6	3.5	73.5	0.9	0.5	2.1	78.0	69.4
Singapore	890	3.2	4.6	85.0	5.7	1.5	85.0	0.0	0.0	1.5	88.0	82.4
Slovenia	304	4.3	8.6	75.4	7.6	4.1	75.4	0.6	0.0	3.5	77.5	74.2
Thailand	368	13.8	16.8	55.1	12.5	1.8	55.1	0.2	0.3	1.3	59.7	48.4
United States	929	5.1	6.3	78.7	7.6	2.2	78.7	0.2	0.0	2.0	80.5	76.8
INTERNATIONAL AVG	.	5.5	8.8	72.4	6.6	6.7	72.4	0.8	0.4	5.5	75.0	69.8

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

Item: L05 KEY: C
 Shown diagram of cube with one edge labeled, how many edges does the cube have? (Geometry)
 Difficulty: 619

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	815	18.1	23.0	53.5	4.1	1.3	53.5	0.0	0.5	0.8	57.4	49.9
Austria	320	12.3	33.1	49.8	4.5	0.4	49.8	0.0	0.0	0.4	47.7	50.2
Canada	1037	14.3	22.7	58.8	3.0	1.1	58.8	0.0	0.1	1.0	58.2	64.0
Cyprus	433	33.5	30.2	25.3	5.8	5.3	25.3	0.0	0.4	4.9	25.1	25.6
Czech Republic	401	22.9	21.1	47.3	8.0	0.6	47.3	0.0	0.0	0.6	45.1	49.7
England	388	23.8	29.4	38.5	7.1	1.1	38.5	0.0	0.2	0.9	37.4	39.7
Greece	380	31.6	23.5	33.5	7.1	4.3	33.5	0.0	0.4	3.9	33.6	33.4
Hong Kong	553	7.0	11.9	72.0	8.2	0.9	72.0	0.1	0.0	0.8	73.5	70.9
Hungary	375	6.3	41.2	42.2	6.7	3.5	42.2	0.0	1.4	2.1	41.2	43.4
Iceland	220	40.4	25.6	24.7	1.8	7.5	24.7	0.0	2.3	5.2	25.6	23.7
Iran, Islamic Rep.	415	28.8	44.9	17.5	3.2	5.7	17.5	0.7	1.5	3.4	17.8	17.1
Ireland	361	19.7	32.6	43.1	4.3	0.3	43.1	0.0	0.0	0.3	40.3	45.6
Israel	308	16.2	43.0	32.3	4.5	4.1	32.3	0.0	1.9	2.2	29.0	31.5
Japan	539	19.1	17.6	59.2	3.7	0.4	59.2	0.0	0.3	0.1	59.8	58.6
Korea	346	5.5	58.8	30.8	4.8	0.0	30.8	0.0	0.0	0.0	31.2	30.5
Kuwait	536	28.9	41.2	16.6	7.2	6.1	16.6	0.0	1.1	5.0	10.1	23.0
Latvia (LSS)	278	37.0	21.2	32.3	7.6	2.0	32.3	0.0	0.8	1.2	35.4	29.3
Netherlands	316	19.5	18.1	55.4	6.6	0.3	55.4	0.3	0.0	0.0	49.0	62.2
New Zealand	314	28.7	32.7	31.7	4.6	2.4	31.7	0.0	1.1	1.3	36.0	27.8
Norway	289	63.1	24.5	8.0	2.4	1.9	8.0	0.0	0.5	1.4	11.4	5.7
Portugal	360	12.8	18.8	62.0	4.7	1.7	62.0	0.0	0.4	1.3	63.0	60.8
Scotland	409	22.1	28.7	44.2	4.0	1.0	44.2	0.0	0.5	0.5	43.8	44.7
Singapore	890	19.7	23.5	44.2	11.9	0.7	44.2	0.0	0.2	0.5	44.1	44.3
Slovenia	304	6.5	26.2	59.7	6.8	0.8	59.7	0.0	0.0	0.8	60.2	59.1
Thailand	368	14.6	46.5	31.8	6.5	0.7	31.8	0.0	0.3	0.4	28.5	36.0
United States	929	22.0	36.6	35.0	3.5	2.8	35.0	0.0	0.0	2.8	34.9	35.1
INTERNATIONAL AVG	.	22.1	29.9	40.4	5.5	2.2	40.4	0.0	0.5	1.6	40.0	40.8

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

Item: L06 KEY: B
 Given 1 clothespin = 9.2 g, which is the best estimate of the weight (mass) of 1000? (Measurement, Estimation, & Number Sense)
 Difficulty: 576

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	815	26.4	52.5	13.8	5.7	1.5	52.5	0.0	0.6	0.9	51.6	53.4
Austria	320	14.8	64.6	16.0	3.1	1.5	64.6	0.1	0.0	1.4	66.8	61.5
Canada	1037	20.9	50.1	21.5	5.9	1.7	50.1	0.0	0.7	1.0	52.9	47.5
Cyprus	433	32.3	44.4	13.2	4.7	5.4	44.4	0.0	0.4	5.0	44.1	45.0
Czech Republic	401	14.0	73.7	7.2	2.6	2.5	73.7	0.0	0.0	2.5	75.6	71.6
England	388	27.2	46.9	17.3	6.8	1.8	46.9	0.0	0.2	1.6	49.6	44.1
Greece	380	12.5	55.3	10.9	11.6	9.7	55.3	0.2	0.4	9.0	50.9	59.6
Hong Kong	553	4.2	71.3	21.5	1.9	1.0	71.3	0.0	0.0	1.0	70.5	71.8
Hungary	375	17.0	71.2	7.1	1.5	3.2	71.2	0.0	1.7	1.5	72.0	70.4
Iceland	220	27.8	43.5	12.0	7.4	9.3	43.5	0.2	4.5	4.5	37.9	49.1
Iran, Islamic Rep.	415	27.4	38.1	13.9	12.4	8.2	38.1	0.9	1.6	5.7	41.1	35.4
Ireland	361	25.8	51.5	17.4	3.7	1.6	51.5	0.0	0.0	1.6	51.5	51.5
Israel	308	20.4	61.9	7.5	1.2	8.9	61.9	0.0	1.9	7.0	55.4	69.8
Japan	.	.	.	.	.	.	.	.	.	.	.	.
Korea	346	10.4	67.2	21.6	0.8	0.0	67.2	0.0	0.0	0.0	65.1	69.2
Kuwait	534	23.1	45.3	14.6	9.4	7.6	45.3	0.0	1.7	5.9	46.0	44.6
Latvia (LSS)	278	15.4	56.5	14.3	8.6	5.2	56.5	0.0	1.3	3.9	57.4	55.6
Netherlands	316	13.1	71.1	13.1	2.1	0.6	71.1	0.6	0.0	0.0	70.3	71.4
New Zealand	314	29.5	42.3	17.8	7.8	2.6	42.3	0.0	1.7	0.9	42.3	42.3
Norway	289	18.4	49.0	22.4	6.2	4.0	49.0	0.0	1.6	2.4	47.8	48.8
Portugal	360	26.7	42.5	15.5	8.7	6.5	42.5	0.0	0.7	5.8	43.8	41.5
Scotland	409	20.9	49.9	18.2	7.4	3.6	49.9	0.0	0.5	3.1	54.9	45.4
Singapore	890	11.2	59.4	24.8	4.1	0.6	59.4	0.0	0.2	0.4	59.2	59.6
Slovenia	304	16.6	71.1	6.7	2.4	3.3	71.1	0.0	0.0	3.3	70.1	71.5
Thailand	368	29.5	50.3	14.7	4.5	0.9	50.3	0.0	0.3	0.6	47.5	54.6
United States	929	29.2	52.0	11.6	4.1	3.1	52.0	0.0	0.1	2.9	54.6	49.4
INTERNATIONAL AVG	.	20.6	55.3	15.0	5.4	3.8	55.3	0.1	0.8	2.9	55.1	55.4

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

Item: L07 KEY: C
 In which of the following pairs of numbers is the 2nd number 100 more than the 1st? (Whole Numbers)
 Difficulty: 607

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	815	26.3	10.7	44.9	12.4	5.6	44.9	0.0	0.6	4.9	41.5	48.2
Austria	320	17.6	7.3	68.0	5.3	1.9	68.0	0.3	0.0	1.6	63.0	71.5
Canada	1037	27.6	14.6	42.1	8.6	7.1	42.1	1.0	0.7	5.4	35.7	47.9
Cyprus	433	17.5	14.0	53.1	8.3	7.0	53.1	0.2	0.6	6.2	51.5	55.1
Czech Republic	401	14.9	6.8	67.2	8.5	2.6	67.2	0.6	0.2	1.8	63.9	70.8
England	388	36.3	8.0	34.0	15.9	5.7	34.0	0.0	0.2	5.5	23.4	45.2
Greece	380	22.8	11.4	42.1	14.0	9.8	42.1	0.5	0.6	8.6	42.1	42.1
Hong Kong	553	15.4	6.1	69.9	5.5	3.1	69.9	1.4	0.0	1.7	67.7	72.1
Hungary	375	16.7	4.3	62.0	8.8	8.1	62.0	0.0	1.7	6.5	58.7	65.8
Iceland	220	43.1	9.1	27.5	7.5	12.8	27.5	0.0	4.5	8.3	29.2	25.9
Iran, Islamic Rep.	415	30.5	15.1	20.5	23.5	10.4	20.5	0.9	1.6	7.9	19.1	21.8
Ireland	361	26.4	12.5	44.3	12.7	4.0	44.3	0.5	0.0	3.6	33.6	54.2
Israel	307	16.0	7.9	55.6	11.4	9.2	55.6	0.3	1.9	7.0	51.4	58.6
Japan	539	11.9	6.3	73.0	4.5	4.3	73.0	2.9	0.3	1.1	69.1	77.0
Korea	346	10.4	3.7	80.4	4.8	0.7	80.4	0.0	0.0	0.7	81.2	79.7
Kuwait	532	35.2	17.6	23.7	14.2	9.3	23.7	0.0	2.6	6.7	22.6	24.7
Latvia (LSS)	278	21.8	9.2	51.5	12.1	5.5	51.5	0.0	1.3	4.1	47.5	55.3
Netherlands	316	17.1	5.9	64.7	6.0	6.2	64.7	6.2	0.0	0.0	63.3	65.6
New Zealand	314	30.0	16.0	32.6	15.6	5.8	32.6	0.0	1.7	4.2	28.9	35.9
Norway	289	29.0	11.4	35.2	15.7	8.7	35.2	0.4	1.9	6.4	31.3	38.8
Portugal	360	27.8	15.5	30.7	16.3	9.6	30.7	0.0	0.7	8.9	31.1	30.6
Scotland	409	29.8	10.3	42.5	12.2	5.1	42.5	1.1	0.6	3.3	38.6	46.5
Singapore	890	25.4	7.5	61.4	4.2	1.5	61.4	0.0	0.2	1.3	61.1	61.7
Slovenia	304	15.7	6.8	63.3	9.7	4.5	63.3	0.0	0.0	4.5	65.4	61.8
Thailand	368	39.5	10.0	35.8	13.0	1.7	35.8	0.0	0.3	1.5	35.2	36.9
United States	929	31.6	7.0	44.8	12.5	4.2	44.8	0.1	0.2	3.9	43.0	46.6
INTERNATIONAL AVG	.	24.5	9.8	48.9	10.9	5.9	48.9	0.6	0.9	4.4	46.1	51.6

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

Item: L08 KEY: D

Given number of paces in which each of several children cross the room, who had the longest pace? (Measurement, Estimation, & Number Sense)

Difficulty: 673

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	815	72.4	2.4	2.0	21.1	2.1	21.1	0.0	0.8	1.3	18.4	23.7
Austria	320	43.0	1.2	0.8	54.6	0.4	54.6	0.0	0.0	0.4	49.9	57.7
Canada	1037	77.2	1.3	0.8	19.4	1.2	19.4	0.0	0.7	0.6	16.3	24.1
Cyprus	433	70.9	2.5	1.8	21.2	3.5	21.2	0.0	0.6	2.9	17.7	24.9
Czech Republic	401	51.9	0.7	0.5	46.1	0.7	46.1	0.0	0.3	0.4	41.4	51.4
England	388	70.2	1.6	1.0	26.8	0.4	26.8	0.0	0.2	0.2	17.3	36.7
Greece	380	68.6	2.3	1.2	25.5	2.4	25.5	0.0	0.6	1.8	24.6	26.4
Hong Kong	552	53.5	2.0	1.5	42.2	0.8	42.2	0.2	0.0	0.6	41.9	42.8
Hungary	375	66.9	1.5	0.5	27.4	3.7	27.4	0.0	2.5	1.1	24.7	30.1
Iceland	220	54.3	1.8	0.5	34.6	8.8	34.6	0.0	4.8	4.0	33.5	35.6
Iran, Islamic Rep.	415	81.7	3.6	3.1	8.3	3.3	8.3	0.5	1.6	1.3	5.9	10.4
Ireland	361	57.7	2.6	0.1	39.0	0.6	39.0	0.2	0.0	0.3	33.6	43.9
Israel	308	66.8	1.6	1.0	27.5	3.2	27.5	0.0	1.9	1.2	30.6	24.8
Japan	539	53.9	0.6	0.5	44.7	0.3	44.7	0.0	0.3	0.0	40.9	48.7
Korea	346	34.1	0.0	0.3	65.3	0.4	65.3	0.0	0.0	0.4	69.1	61.6
Kuwait	534	66.0	10.9	8.5	8.4	6.1	8.4	0.0	2.8	3.3	4.8	12.0
Latvia (LSS)	278	44.3	2.9	2.7	47.8	2.3	47.8	0.0	1.9	0.5	44.6	50.8
Netherlands	316	38.5	0.0	0.5	60.7	0.3	60.7	0.3	0.0	0.0	61.8	59.7
New Zealand	314	71.8	1.8	1.5	21.4	3.4	21.4	0.0	1.7	1.8	18.7	23.9
Norway	289	58.3	2.3	0.7	34.8	3.9	34.8	0.5	1.9	1.4	32.8	36.7
Portugal	360	69.3	1.2	1.3	27.1	1.1	27.1	0.0	0.9	0.2	25.8	28.6
Scotland	409	73.7	0.9	0.5	23.0	1.8	23.0	0.0	0.6	1.2	20.4	25.7
Singapore	890	71.6	1.7	1.3	25.3	0.2	25.3	0.0	0.2	0.0	22.5	27.6
Slovenia	304	42.2	1.3	2.3	54.2	0.0	54.2	0.0	0.0	0.0	54.1	54.1
Thailand	368	79.4	2.5	2.5	14.7	0.9	14.7	0.0	0.3	0.6	14.6	15.0
United States	929	84.2	1.4	1.3	10.4	2.7	10.4	0.1	0.2	2.3	9.6	11.3
INTERNATIONAL AVG	.	62.4	2.0	1.5	32.0	2.1	32.0	0.1	1.0	1.1	29.8	34.2

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: L09 KEY: A

Given statements about the relative ages of three children, which statement must also be true? (Patterns, Relations and Functions)

Difficulty: 523

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	815	70.0	7.2	6.2	13.8	2.8	70.0	0.0	0.8	2.0	68.2	71.9
Austria	319	56.8	10.4	4.9	26.3	1.6	56.8	0.7	0.0	1.0	59.3	53.7
Canada	1037	67.6	5.2	2.2	21.3	3.7	67.6	0.0	1.0	2.7	70.4	66.0
Cyprus	433	56.5	8.8	10.9	18.2	5.7	56.5	0.0	0.6	5.1	51.7	61.6
Czech Republic	401	61.7	7.5	6.9	22.3	1.6	61.7	0.0	0.3	1.3	52.7	71.6
England	388	65.6	7.0	3.5	22.9	0.9	65.6	0.0	0.2	0.7	61.9	69.5
Greece	380	54.4	8.9	4.6	27.7	4.4	54.4	0.0	0.9	3.5	54.6	54.3
Hong Kong	552	74.1	6.0	6.6	11.8	1.5	74.1	1.0	0.0	0.5	73.3	74.6
Hungary	375	63.6	7.5	4.7	20.2	3.9	63.6	0.0	3.1	0.8	63.3	64.0
Iceland	220	61.1	7.4	5.0	15.7	10.8	61.1	0.0	6.3	4.5	58.3	63.9
Iran, Islamic Rep.	415	41.4	11.7	13.8	25.6	7.5	41.4	1.0	2.0	4.5	42.2	40.5
Ireland	361	66.3	5.4	4.1	23.5	0.7	66.3	0.0	0.0	0.7	60.4	71.8
Israel	308	67.9	8.5	2.6	16.7	4.4	67.9	0.0	1.9	2.5	66.9	68.9
Japan	539	73.0	11.3	9.2	5.7	0.8	73.0	0.3	0.3	0.2	73.1	72.9
Korea	346	86.4	5.6	2.2	4.4	1.4	86.4	0.0	0.0	1.4	85.0	87.8
Kuwait	530	42.7	9.8	11.5	29.1	6.9	42.7	0.0	3.0	3.9	49.0	36.2
Latvia (LSS)	276	50.0	7.6	7.1	31.7	3.6	50.0	0.0	2.3	1.3	50.6	49.4
Netherlands	316	66.2	5.3	1.8	26.3	0.3	66.2	0.3	0.0	0.0	64.6	67.3
New Zealand	314	64.3	6.6	4.1	20.8	4.2	64.3	0.0	2.0	2.2	64.8	63.8
Norway	289	66.5	8.1	7.5	13.8	4.1	66.5	0.0	2.8	1.3	65.0	67.4
Portugal	360	54.1	6.8	7.8	27.2	4.1	54.1	0.0	1.1	3.0	56.0	52.7
Scotland	409	64.8	7.5	5.2	19.6	2.8	64.8	0.0	0.9	1.9	62.0	67.8
Singapore	890	72.0	5.8	5.7	16.2	0.4	72.0	0.0	0.2	0.2	69.9	73.8
Slovenia	304	72.2	9.4	5.4	12.3	0.8	72.2	0.0	0.0	0.8	72.2	72.3
Thailand	368	47.0	6.3	7.2	38.2	1.3	47.0	0.0	0.3	1.0	44.5	50.9
United States	929	72.5	4.6	2.7	17.3	2.8	72.5	0.0	0.2	2.6	71.4	73.8
INTERNATIONAL AVG	.	63.0	7.6	5.9	20.3	3.2	63.0	0.1	1.2	1.9	62.0	64.2

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: M01 KEY: B

Given several hexagons with various parts shaded, find greatest chance of stone landing on shaded area. (Data Rep., Analysis and Probability)

Difficulty: 452

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	800	9.5	79.5	5.1	3.4	2.5	79.5	0.0	0.3	2.2	78.2	81.0
Austria	332	11.4	80.5	3.6	1.9	2.5	80.5	0.2	0.0	2.4	76.6	83.8
Canada	1017	9.6	83.1	3.5	2.4	1.3	83.1	0.1	0.5	0.7	81.9	85.1
Cyprus	444	10.6	67.7	8.3	5.6	7.7	67.7	0.9	0.9	6.0	62.8	71.8
Czech Republic	413	8.1	81.6	4.0	2.3	4.1	81.6	2.0	0.3	1.8	78.1	85.6
England	384	11.3	78.3	4.2	3.0	3.3	78.3	0.0	0.2	3.1	79.3	77.3
Greece	378	6.9	84.0	3.0	1.5	4.6	84.0	0.2	0.2	4.2	84.0	83.9
Hong Kong	556	5.7	84.3	4.9	2.0	3.1	84.3	0.0	0.0	3.1	81.0	87.3
Hungary	358	10.6	75.7	6.1	2.7	4.8	75.7	0.0	0.0	4.8	79.9	72.0
Iceland	225	9.0	75.9	7.0	4.1	3.9	75.9	0.0	1.7	2.2	71.6	80.3
Iran, Islamic Rep.	423	6.3	70.1	10.8	3.6	9.1	70.1	1.2	0.2	7.8	68.5	71.6
Ireland	350	15.5	72.4	5.8	3.7	2.6	72.4	0.5	0.2	1.9	70.4	74.5
Israel	271	8.2	85.4	2.7	1.4	2.3	85.4	0.8	0.0	1.6	81.9	88.2
Japan	537	5.4	89.0	2.8	1.8	0.9	89.0	0.0	0.2	0.8	87.0	91.1
Korea	345	8.5	84.3	7.0	0.0	0.3	84.3	0.0	0.0	0.3	76.8	91.7
Kuwait	534	14.9	57.6	7.8	6.7	12.9	57.6	0.0	1.5	11.4	56.2	59.0
Latvia (LSS)	271	10.8	78.6	6.1	2.9	1.5	78.6	0.0	0.5	1.1	78.2	78.9
Netherlands	325	2.0	85.7	9.0	2.9	0.4	85.7	0.1	0.0	0.3	80.2	91.1
New Zealand	304	14.1	74.1	4.6	2.3	4.9	74.1	0.0	0.0	4.9	77.7	70.0
Norway	283	8.4	86.1	3.5	1.5	0.5	86.1	0.0	0.0	0.5	85.1	87.2
Portugal	346	13.4	61.8	11.8	5.0	8.0	61.8	0.0	0.5	7.5	56.6	66.7
Scotland	417	17.2	72.7	6.3	2.6	1.2	72.7	0.3	0.0	0.9	70.2	75.1
Singapore	882	13.3	70.4	8.7	6.4	1.2	70.4	0.0	0.1	1.1	72.5	68.5
Slovenia	327	6.2	83.7	4.9	2.1	3.2	83.7	1.2	0.0	2.0	80.1	86.5
Thailand	334	11.4	78.1	6.3	1.6	2.6	78.1	0.2	0.0	2.4	72.7	84.1
United States	911	7.5	83.5	2.8	3.7	2.6	83.5	0.0	0.0	2.6	82.2	84.8
INTERNATIONAL AVG	.	9.8	77.8	5.8	3.0	3.5	77.8	0.3	0.3	3.0	75.7	79.9

DIFF = Item Difficulty

Because of missing gender information, some totals may appear inconsistent

Item: M02
 Multi-step word problem: add 6 one-digit numbers and subtract from 60. (Data Rep., Analysis and Probability)
 Difficulty: 575

COUNTRY	N	10	70	71	72	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
										INVAL ID	REACH ED	OMIT		
Australia	800	55.1	1.1	3.5	7.1	27.7	0.8	4.7	55.1	0.0	0.5	4.2	60.0	50.3
Austria	332	74.9	0.5	2.4	5.4	12.9	0.2	3.7	74.9	0.0	0.0	3.7	76.9	74.8
Canada	1017	53.8	1.4	2.8	7.5	30.2	0.7	3.7	53.8	0.0	0.6	3.1	54.5	53.3
Cyprus	443	49.5	1.1	2.0	5.6	28.4	0.4	13.0	49.5	0.0	0.9	12.1	43.4	55.2
Czech Republic	411	71.2	0.0	1.7	4.2	19.8	0.2	2.9	71.2	0.0	0.3	2.6	72.5	69.6
England	384	48.9	2.1	8.8	4.2	32.2	1.0	2.8	48.9	0.0	0.2	2.5	49.2	48.6
Greece	378	51.3	1.1	1.7	6.5	19.4	0.2	19.8	51.3	0.0	0.4	19.4	54.7	47.3
Hong Kong	555	57.5	0.5	1.9	5.1	30.2	2.0	2.9	57.5	0.0	0.0	2.9	57.3	57.6
Hungary	366	70.7	0.2	3.5	6.6	17.2	0.2	1.5	70.7	0.0	0.0	1.5	75.1	66.1
Iceland	225	45.2	3.1	6.4	5.2	35.8	0.7	3.6	45.2	0.0	1.7	1.9	41.1	49.3
Iran, Islamic Rep.	423	23.0	0.6	1.4	7.8	21.9	0.6	44.6	23.0	0.0	0.2	44.5	22.8	23.1
Ireland	350	64.7	1.7	2.4	5.2	23.3	0.6	2.1	64.7	0.0	0.2	1.9	67.6	61.7
Israel	271	56.4	0.8	2.8	8.3	26.5	0.0	5.2	56.4	0.0	0.3	4.9	57.6	52.2
Japan	537	68.2	0.9	1.9	9.2	16.8	0.3	2.6	68.2	0.0	0.2	2.5	66.6	69.8
Korea	345	82.6	0.6	0.5	1.6	14.2	0.6	0.0	82.6	0.0	0.0	0.0	81.3	83.9
Kuwait	534	8.3	2.0	1.2	6.9	38.1	0.0	43.6	8.3	1.4	2.2	40.0	8.0	8.5
Latvia (LSS)	271	58.7	1.7	1.1	7.8	24.5	0.3	6.1	58.7	0.0	0.5	5.6	61.3	56.3
Netherlands	325	68.7	0.0	3.9	4.3	22.6	0.2	0.3	68.7	0.0	0.0	0.3	68.9	68.9
New Zealand	304	37.6	2.2	8.9	5.5	39.1	0.0	6.7	37.6	0.0	0.2	6.5	41.9	32.5
Norway	283	47.8	0.0	6.4	7.6	32.4	2.1	3.6	47.8	0.0	0.0	3.6	49.8	44.1
Portugal	346	46.7	1.0	3.7	10.9	29.9	0.0	7.8	46.7	0.0	0.5	7.2	47.9	45.5
Scotland	417	53.9	0.9	3.7	4.5	31.5	0.2	5.2	53.9	0.0	0.0	5.2	53.0	55.2
Singapore	882	73.1	0.5	1.1	5.8	18.4	0.8	0.4	73.1	0.0	0.1	0.3	78.2	68.6
Slovenia	327	64.6	1.8	4.1	5.5	19.6	0.8	3.7	64.6	0.0	0.0	3.7	70.0	59.2
Thailand	334	44.0	0.7	1.8	7.0	39.4	5.6	1.5	44.0	0.0	0.0	1.5	53.9	33.0
United States	911	53.2	2.0	2.9	7.7	31.7	0.5	2.0	53.2	0.0	0.1	1.9	53.7	52.7
INTERNATIONAL AVG	.	55.0	1.1	3.2	6.3	26.3	0.7	7.5	55.0	0.1	0.3	7.1	56.4	53.4

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: M03 KEY: A
 Recognize symmetric property of multiplication: $7 \times _$ is the same as what? (Whole Numbers)
 Difficulty: 524

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	800	68.8	3.4	2.1	5.1	4.7	15.9	68.8	0.0	1.1	14.8	69.2	68.3
Austria	332	64.7	5.1	3.0	3.5	9.0	14.7	64.7	0.0	0.0	14.7	66.0	64.4
Canada	1017	60.3	3.7	3.5	7.2	8.8	16.5	60.3	0.7	0.7	15.0	55.6	65.0
Cyprus	444	66.9	2.7	3.6	4.4	8.8	13.5	66.9	1.1	0.9	11.5	64.9	69.2
Czech Republic	412	40.5	4.3	3.6	4.8	6.4	40.4	40.5	25.2	0.7	14.5	42.3	38.4
England	384	61.4	5.9	3.9	5.5	7.1	16.2	61.4	0.0	0.2	16.0	57.8	65.1
Greece	378	54.2	2.8	3.0	4.0	6.3	29.7	54.2	3.3	0.6	25.8	59.0	48.9
Hong Kong	556	75.2	1.5	1.3	2.1	6.0	13.9	75.2	1.6	0.0	12.3	74.1	76.3
Hungary	366	69.4	4.6	2.9	2.9	6.7	13.6	69.4	0.0	0.0	13.6	69.3	70.1
Iceland	225	54.4	7.5	7.1	5.0	6.9	19.1	54.4	0.2	2.1	16.8	58.3	50.4
Iran, Islamic Rep.	423	55.7	8.1	2.7	8.3	11.4	13.8	55.7	0.7	0.2	12.8	55.0	56.3
Ireland	350	59.8	4.5	3.0	4.1	9.7	19.0	59.8	8.2	0.2	10.6	58.1	61.6
Israel	271	78.4	1.9	1.5	2.8	6.6	8.8	78.4	0.0	0.7	8.2	77.6	79.4
Japan	537	88.6	1.7	0.7	2.2	4.6	2.2	88.6	1.3	0.4	0.5	87.8	89.5
Korea	345	81.7	2.7	1.8	4.8	8.2	0.8	81.7	0.0	0.0	0.8	79.4	84.1
Kuwait	534	40.7	4.9	7.6	5.4	9.3	32.1	40.7	0.0	2.8	29.3	42.9	38.7
Latvia (LSS)	271	60.7	5.5	1.8	2.1	7.9	22.0	60.7	0.0	0.6	21.3	61.4	60.0
Netherlands	325	65.8	3.7	3.0	6.6	15.7	5.4	65.8	5.4	0.0	0.0	64.5	67.7
New Zealand	304	59.4	5.4	5.7	7.4	8.2	13.9	59.4	0.0	0.2	13.7	63.0	55.2
Norway	283	64.1	2.7	3.8	4.8	6.0	18.6	64.1	0.0	0.6	18.0	67.1	61.8
Portugal	346	51.1	6.2	2.0	4.8	5.4	30.6	51.1	0.0	0.5	30.1	44.3	57.6
Scotland	417	58.4	4.6	3.8	9.4	9.0	14.9	58.4	1.4	0.3	13.2	58.0	59.1
Singapore	882	77.8	2.4	2.7	4.8	8.3	4.0	77.8	0.0	0.1	3.9	79.5	76.3
Slovenia	326	57.3	1.5	2.5	2.3	4.3	32.1	57.3	3.5	0.2	28.3	56.8	58.8
Thailand	334	55.1	5.7	6.8	14.8	10.2	7.5	55.1	0.9	0.0	6.6	61.0	48.6
United States	911	70.9	4.1	2.6	5.0	11.9	5.4	70.9	0.0	0.1	5.4	71.1	70.7
INTERNATIONAL AVG	.	63.1	4.1	3.3	5.2	8.0	16.3	63.1	2.1	0.5	13.8	63.2	63.1

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

Item: M04
 Given explanation of how grid works, give the coordinates of a particular point. (Geometry)
 Difficulty: 626

COUNTRY	N	10	70	79	90	99	V1	NOT		OMIT	1.GIRL % Right	2.BOY % Right
								INVAL	REACH ED			
Australia	800	56.3	8.7	27.4	0.5	7.2	56.3	0.0	1.3	5.9	58.1	54.5
Austria	332	37.3	5.7	26.6	7.5	22.8	37.3	0.0	0.0	22.8	39.5	34.7
Canada	1017	51.2	5.7	35.8	0.7	6.5	51.2	0.0	0.9	5.6	52.6	49.0
Cyprus	444	21.9	9.2	36.2	0.0	32.7	21.9	0.0	1.2	31.5	23.2	20.6
Czech Republic	411	36.8	5.0	41.1	1.0	16.1	36.8	0.0	1.0	15.1	36.9	36.6
England	384	68.2	11.2	15.0	0.4	5.2	68.2	0.0	0.2	5.0	70.5	65.8
Greece	378	30.4	3.7	33.0	1.0	31.8	30.4	0.0	0.8	31.1	34.7	25.6
Hong Kong	556	42.5	5.9	38.8	2.8	10.0	42.5	0.0	0.0	10.0	42.6	42.8
Hungary	366	30.4	10.9	39.7	0.0	19.0	30.4	0.0	0.1	18.9	30.9	30.7
Iceland	225	46.7	4.1	36.4	2.3	10.5	46.7	0.0	3.3	7.2	45.3	48.1
Iran, Islamic Rep.	423	14.0	7.4	47.9	0.7	30.0	14.0	0.0	1.0	29.0	12.6	15.3
Ireland	350	45.1	9.0	34.1	4.4	7.5	45.1	0.0	0.2	7.3	50.9	39.0
Israel	271	48.8	8.6	28.6	1.5	12.5	48.8	0.0	1.0	11.5	51.6	48.1
Japan	537	60.9	5.5	24.8	1.1	7.8	60.9	0.0	0.7	7.1	58.2	63.4
Korea	345	51.9	6.8	37.6	3.7	0.0	51.9	0.0	0.0	0.0	48.9	55.0
Kuwait	534	13.7	3.8	33.0	0.0	49.5	13.7	1.7	3.8	44.0	11.8	15.4
Latvia (LSS)	271	42.2	7.2	27.8	1.0	21.7	42.2	0.0	1.5	20.2	46.2	38.6
Netherlands	325	50.1	7.8	38.2	0.3	3.7	50.1	0.0	0.0	3.7	45.0	55.1
New Zealand	304	45.3	6.5	35.3	1.3	11.7	45.3	0.0	0.6	11.1	51.6	37.9
Norway	283	41.4	8.2	33.9	6.4	10.3	41.4	0.0	1.3	8.9	43.4	37.8
Portugal	346	17.2	2.4	51.3	1.0	28.1	17.2	0.0	1.4	26.7	15.9	18.3
Scotland	417	54.8	7.6	31.2	0.6	5.9	54.8	0.0	0.3	5.6	59.4	49.6
Singapore	882	55.9	7.3	34.2	0.8	1.8	55.9	0.0	0.1	1.7	62.2	50.5
Slovenia	327	45.8	9.9	33.3	0.6	10.5	45.8	0.0	0.4	10.1	51.1	40.7
Thailand	334	19.5	8.3	60.8	5.8	5.7	19.5	0.0	0.0	5.7	18.6	20.5
United States	911	55.6	7.8	32.9	0.7	3.1	55.6	0.0	0.1	3.0	56.2	55.0
INTERNATIONAL AVG	.	41.7	7.1	35.2	1.8	14.3	41.7	0.1	0.8	13.4	43.0	40.3

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: M05 KEY: C
 Given partly shaded figure, which of the following numbers represents the shaded part? (Fractions and Proportionality)
 Difficulty: 623

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	800	43.3	2.1	40.3	10.9	3.5	40.3	0.0	1.3	2.3	39.5	41.1
Austria	332	51.3	2.7	33.7	6.9	5.4	33.7	0.7	0.0	4.7	29.7	37.0
Canada	1017	43.5	1.3	39.6	14.0	1.6	39.6	0.2	1.0	0.4	43.0	34.7
Cyprus	444	44.0	2.8	41.0	8.0	4.2	41.0	0.0	1.2	3.0	37.6	44.7
Czech Republic	412	54.6	3.1	30.8	6.6	4.9	30.8	0.4	1.2	3.3	28.9	32.9
England	384	50.8	2.8	33.6	10.6	2.2	33.6	0.0	0.2	2.0	31.0	36.3
Greece	378	46.9	4.0	30.2	9.1	9.7	30.2	0.0	0.8	9.0	31.4	28.9
Hong Kong	556	17.9	3.6	73.3	4.7	0.5	73.3	0.0	0.0	0.5	68.4	77.3
Hungary	366	51.7	3.8	30.7	9.4	4.5	30.7	0.0	0.8	3.8	33.0	27.6
Iceland	225	61.4	5.5	23.1	4.2	5.8	23.1	0.0	4.3	1.5	22.7	23.5
Iran, Islamic Rep.	423	46.8	3.1	35.1	7.2	7.7	35.1	0.4	3.3	4.0	33.5	36.7
Ireland	350	32.6	4.0	48.4	13.2	1.9	48.4	0.0	0.2	1.7	48.2	48.6
Israel	271	53.6	2.6	27.6	9.2	7.1	27.6	0.0	1.5	5.6	32.1	21.6
Japan	537	22.4	0.3	71.0	5.3	1.0	71.0	0.2	0.7	0.2	68.6	73.2
Korea	345	21.1	0.0	67.1	11.6	0.3	67.1	0.0	0.0	0.3	63.2	71.0
Kuwait	534	41.6	7.0	31.8	9.5	10.1	31.8	0.0	5.1	5.0	33.1	30.6
Latvia (LSS)	270	51.2	3.7	29.5	8.4	7.2	29.5	0.0	1.5	5.7	25.1	33.5
Netherlands	325	49.7	5.9	31.6	11.6	1.1	31.6	1.1	0.0	0.0	26.9	36.8
New Zealand	304	56.8	3.8	25.4	12.8	1.3	25.4	0.0	0.6	0.7	28.3	22.0
Norway	283	62.0	3.9	19.3	7.8	7.0	19.3	0.4	2.6	4.1	15.2	24.6
Portugal	346	17.8	2.4	70.6	5.0	4.1	70.6	0.0	1.4	2.7	74.0	67.3
Scotland	417	50.0	3.3	34.5	9.8	2.4	34.5	0.2	0.3	2.0	34.9	34.2
Singapore	882	11.3	3.5	80.8	4.0	0.4	80.8	0.0	0.3	0.1	83.9	78.1
Slovenia	327	53.9	5.7	28.6	8.3	3.6	28.6	0.6	0.4	2.5	20.4	35.8
Thailand	334	52.4	1.5	34.9	9.7	1.4	34.9	0.0	0.3	1.1	32.5	37.7
United States	911	51.6	1.7	32.0	12.1	2.5	32.0	0.0	0.1	2.4	35.2	28.8
INTERNATIONAL AVG	.	43.8	3.2	40.2	8.8	3.9	40.2	0.2	1.1	2.6	39.3	40.9

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

Item: M06 KEY: A
 John wanted to add 1463 + 319, but entered 1263 + 319. How could he fix his mistake? (Whole Numbers)
 Difficulty: 493

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	800	78.0	8.1	3.2	8.1	2.6	78.0	0.0	1.3	1.3	73.5	82.6
Austria	332	60.1	16.3	6.4	13.8	3.5	60.1	0.0	0.0	3.5	62.2	58.6
Canada	1017	70.6	15.1	3.3	8.5	2.6	70.6	0.0	1.0	1.6	62.2	79.5
Cyprus	444	73.0	13.1	2.2	7.6	4.1	73.0	0.4	1.4	2.3	68.3	77.7
Czech Republic	413	82.4	3.0	1.5	8.8	4.3	82.4	1.2	1.2	1.9	83.3	81.4
England	384	69.7	12.3	5.6	10.3	2.1	69.7	0.0	0.2	1.9	68.3	71.2
Greece	378	59.6	15.3	4.5	13.0	7.7	59.6	0.3	0.8	6.6	57.3	62.3
Hong Kong	556	82.5	5.0	2.1	9.7	0.8	82.5	0.0	0.0	0.8	83.4	81.6
Hungary	366	83.7	3.1	2.9	6.6	3.7	83.7	0.0	0.8	3.0	85.4	82.7
Iceland	225	58.6	17.0	4.8	11.4	8.2	58.6	0.0	5.2	2.9	51.2	65.9
Iran, Islamic Rep.	423	42.6	18.1	6.9	14.1	18.3	42.6	0.8	3.3	14.3	38.0	46.7
Ireland	350	71.9	9.5	4.4	12.9	1.2	71.9	0.0	0.2	1.1	72.5	71.3
Israel	271	76.7	8.3	1.7	8.9	4.4	76.7	0.4	2.0	2.0	75.2	78.3
Japan	537	88.1	3.1	1.8	6.3	0.7	88.1	0.0	0.7	0.0	84.9	91.2
Korea	345	87.3	4.4	1.2	6.8	0.3	87.3	0.0	0.0	0.3	86.1	88.5
Kuwait	534	37.9	20.2	9.7	18.7	13.6	37.9	0.0	5.3	8.3	35.9	39.7
Latvia (LSS)	270	77.9	6.4	3.9	6.5	5.3	77.9	0.0	1.5	3.8	77.0	78.8
Netherlands	325	83.5	5.1	0.8	9.7	0.9	83.5	0.9	0.0	0.0	81.3	86.7
New Zealand	304	65.3	17.4	5.0	10.0	2.3	65.3	0.0	0.6	1.7	63.2	67.8
Norway	283	68.2	12.6	2.1	12.9	4.2	68.2	0.0	3.3	0.8	62.4	75.2
Portugal	346	47.7	13.7	11.0	17.1	10.5	47.7	0.0	1.5	9.0	50.4	45.2
Scotland	417	66.2	15.1	4.3	12.2	2.1	66.2	0.0	0.4	1.7	62.4	70.0
Singapore	882	81.0	4.6	2.9	10.7	0.8	81.0	0.0	0.3	0.5	81.7	80.4
Slovenia	327	80.4	5.7	1.7	8.8	3.4	80.4	0.6	0.8	2.1	81.9	78.7
Thailand	334	53.1	19.5	11.1	15.0	1.4	53.1	0.0	0.8	0.7	57.4	48.2
United States	911	69.4	12.0	4.2	11.4	2.9	69.4	0.0	0.1	2.8	66.8	72.1
INTERNATIONAL AVG	.	69.8	10.9	4.2	10.8	4.3	69.8	0.2	1.3	2.9	68.2	71.6

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

Item: M07 KEY: A
 Which of the following would most likely be measured in milliliters? (Measurement, Estimation, & Number Sense)
 Difficulty: 624

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	800	44.5	9.2	19.8	24.1	2.5	44.5	0.0	1.3	1.2	49.6	39.3
Austria	332	51.0	11.7	13.4	20.6	3.4	51.0	0.1	0.0	3.2	49.6	52.0
Canada	1017	31.1	14.7	22.4	28.9	3.0	31.1	0.4	1.0	1.6	26.3	35.9
Cyprus	444	19.7	10.9	50.6	10.8	8.0	19.7	0.6	1.8	5.5	19.6	19.8
Czech Republic	413	32.3	8.9	11.7	43.3	3.8	32.3	0.0	1.7	2.1	37.0	26.8
England	384	37.3	10.1	25.1	23.3	4.1	37.3	0.0	0.4	3.8	36.5	38.1
Greece	378	26.9	16.4	31.6	12.6	12.5	26.9	0.0	1.0	11.5	27.3	26.5
Hong Kong	556	73.1	7.7	12.5	5.9	0.7	73.1	0.5	0.0	0.3	76.7	70.6
Hungary	366	55.1	13.9	10.4	14.6	6.0	55.1	0.0	1.1	5.0	56.3	53.1
Iceland	225	29.3	14.8	12.2	36.4	7.4	29.3	0.0	6.2	1.2	24.9	33.6
Iran, Islamic Rep.	423	26.5	11.4	36.2	13.5	12.5	26.5	0.1	5.5	6.9	28.1	25.1
Ireland	350	44.1	5.9	34.2	13.9	1.9	44.1	0.7	0.2	1.1	46.7	41.3
Israel	271	27.5	10.9	13.2	41.0	7.4	27.5	1.3	2.0	4.1	29.7	26.6
Japan	537	75.0	11.7	3.9	8.6	0.7	75.0	0.0	0.7	0.0	75.5	74.5
Korea	345	30.6	11.6	44.9	12.3	0.6	30.6	0.0	0.0	0.6	33.5	27.7
Kuwait	534	14.7	17.4	27.9	24.9	15.1	14.7	0.0	6.2	8.9	16.4	13.1
Latvia (LSS)	270	42.2	8.5	15.1	30.0	4.2	42.2	0.0	1.8	2.5	44.8	39.9
Netherlands	325	27.3	10.4	17.0	44.6	0.7	27.3	0.7	0.0	0.0	27.2	27.7
New Zealand	304	34.9	8.6	24.0	30.2	2.2	34.9	0.0	0.6	1.7	33.7	36.2
Norway	283	23.9	19.9	21.7	25.5	9.0	23.9	0.0	3.3	5.7	22.1	26.5
Portugal	346	45.0	16.2	13.1	17.8	7.8	45.0	0.0	1.9	5.9	45.0	45.0
Scotland	417	34.7	7.3	28.3	26.6	3.1	34.7	0.5	0.4	2.1	31.4	38.3
Singapore	882	45.2	6.3	35.7	12.0	0.8	45.2	0.0	0.3	0.6	45.5	44.9
Slovenia	327	45.5	8.5	11.5	30.9	3.6	45.5	0.4	1.1	2.2	49.2	42.4
Thailand	334	22.0	13.6	31.2	29.7	3.5	22.0	0.0	0.8	2.7	22.1	21.9
United States	911	37.7	16.8	22.8	20.1	2.6	37.7	0.0	0.1	2.5	33.5	41.8
INTERNATIONAL AVG	.	37.6	11.7	22.7	23.2	4.9	37.6	0.2	1.5	3.2	38.0	37.3

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

Item: M08 KEY: D
 Which of the following four-digit numbers is the largest? (Whole Numbers)
 Difficulty: 381

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	800	1.4	1.5	4.4	91.2	1.6	91.2	0.0	1.3	0.3	92.5	90.0
Austria	332	0.8	0.2	3.4	95.0	0.5	95.0	0.0	0.4	0.1	95.8	94.2
Canada	1017	5.1	1.7	2.9	87.5	2.8	87.5	0.0	1.4	1.4	85.2	89.7
Cyprus	444	3.6	1.6	7.6	82.1	5.2	82.1	0.2	2.3	2.7	82.5	81.4
Czech Republic	413	1.0	0.3	2.6	93.4	2.7	93.4	0.2	1.8	0.7	94.2	92.4
England	384	2.9	2.2	9.1	83.5	2.3	83.5	0.0	0.4	1.9	87.2	79.6
Greece	378	4.9	1.4	2.2	87.3	4.2	87.3	0.9	1.9	1.4	88.9	85.5
Hong Kong	556	2.1	0.7	2.4	94.7	0.1	94.7	0.0	0.0	0.1	96.7	92.9
Hungary	366	2.7	0.2	3.0	91.3	2.7	91.3	0.0	1.4	1.3	91.8	91.9
Iceland	225	4.5	1.6	6.6	79.8	7.5	79.8	0.5	6.2	0.7	75.8	83.8
Iran, Islamic Rep.	423	9.4	6.4	12.6	62.8	8.7	62.8	0.4	5.7	2.6	57.7	67.4
Ireland	350	4.6	0.9	5.3	87.9	1.3	87.9	0.0	0.2	1.1	88.4	87.4
Israel	271	1.1	2.1	3.5	90.6	2.7	90.6	0.4	2.0	0.3	91.0	91.5
Japan	537	0.8	1.4	2.2	94.4	1.1	94.4	0.0	0.7	0.4	95.0	93.9
Korea	345	1.8	0.0	1.3	96.6	0.3	96.6	0.0	0.0	0.3	97.1	96.1
Kuwait	534	9.3	13.3	18.7	46.7	12.0	46.7	0.0	7.9	4.1	43.2	50.0
Latvia (LSS)	270	3.0	0.4	6.6	87.6	2.4	87.6	0.0	2.0	0.4	88.5	86.7
Netherlands	325	0.9	0.8	5.3	92.7	0.3	92.7	0.3	0.0	0.0	90.6	96.1
New Zealand	304	4.5	5.4	5.3	82.5	2.2	82.5	0.0	1.2	1.0	85.5	79.0
Norway	283	1.6	1.5	6.0	86.6	4.3	86.6	0.0	3.7	0.5	88.2	84.2
Portugal	346	4.1	1.3	9.5	79.9	5.3	79.9	0.0	2.6	2.7	82.1	77.7
Scotland	417	2.4	2.6	7.3	85.4	2.3	85.4	0.0	0.6	1.7	83.9	87.0
Singapore	882	2.1	2.1	4.0	91.2	0.6	91.2	0.0	0.3	0.3	93.6	89.2
Slovenia	327	2.1	0.2	4.4	91.8	1.5	91.8	0.0	1.1	0.4	94.9	89.6
Thailand	334	4.2	3.9	8.7	81.5	1.8	81.5	0.0	1.0	0.8	87.5	74.7
United States	911	1.9	2.9	4.3	88.6	2.3	88.6	0.0	0.1	2.1	89.5	87.8
INTERNATIONAL AVG	.	3.2	2.2	5.7	85.9	3.0	85.9	0.1	1.8	1.1	86.4	85.4

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

Item: M09 KEY: A
 4 x _ <17: Which number could go in the blank to make the sentence true? (Patterns, Relations and Functions)
 Difficulty: 493

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	800	65.4	13.5	8.1	6.5	6.5	65.4	0.0	1.3	5.2	65.3	65.6
Austria	332	74.2	8.3	4.0	5.8	7.8	74.2	0.3	0.4	7.2	77.2	71.4
Canada	1017	68.6	11.2	6.9	6.9	6.4	68.6	0.0	1.4	4.9	62.4	75.5
Cyprus	444	66.9	9.7	6.8	5.0	11.6	66.9	0.0	2.6	9.0	69.8	64.8
Czech Republic	413	72.2	5.2	2.5	9.2	10.9	72.2	4.0	2.1	4.8	75.8	68.0
England	384	56.3	14.0	8.6	13.2	7.9	56.3	0.0	0.4	7.5	57.3	55.3
Greece	378	66.2	6.6	6.5	9.1	11.5	66.2	0.0	2.2	9.3	69.9	62.1
Hong Kong	556	82.8	7.8	4.2	3.7	1.5	82.8	0.5	0.0	1.0	85.2	81.4
Hungary	366	78.6	4.0	2.9	5.8	8.6	78.6	0.0	1.6	7.0	82.1	75.8
Iceland	225	67.3	12.2	5.0	4.2	11.3	67.3	0.0	7.0	4.4	63.5	71.1
Iran, Islamic Rep.	423	61.5	5.0	9.0	10.7	13.8	61.5	0.7	5.9	7.2	65.8	57.6
Ireland	350	64.9	13.1	4.0	9.6	8.4	64.9	3.8	0.2	4.4	68.0	61.8
Israel	271	77.0	6.7	4.5	3.5	8.3	77.0	0.0	2.0	6.4	77.2	76.1
Japan	537	89.2	4.3	2.0	2.8	1.8	89.2	0.2	0.7	1.0	87.2	91.0
Korea	345	93.0	3.7	0.3	1.4	1.5	93.0	0.0	0.0	1.5	92.6	93.5
Kuwait	534	42.5	15.0	12.2	11.9	18.4	42.5	0.0	8.2	10.2	45.8	39.4
Latvia (LSS)	270	79.5	2.5	4.4	5.9	7.8	79.5	0.0	2.0	5.7	83.1	76.2
Netherlands	325	70.0	11.2	6.2	6.1	6.6	70.0	6.6	0.0	0.0	64.7	75.2
New Zealand	304	57.0	12.2	9.2	11.0	10.7	57.0	0.0	1.2	9.5	50.6	64.4
Norway	283	62.7	8.3	7.8	5.9	15.3	62.7	0.0	3.7	11.5	61.3	65.2
Portugal	346	64.7	8.6	5.9	10.2	10.5	64.7	0.0	2.6	8.0	63.2	66.3
Scotland	417	59.1	14.4	6.5	12.2	7.8	59.1	0.2	0.6	7.0	59.7	58.2
Singapore	882	86.8	6.2	4.2	1.9	0.9	86.8	0.0	0.3	0.6	88.3	85.6
Slovenia	327	85.9	2.3	2.3	4.2	5.3	85.9	1.0	1.1	3.3	87.8	84.6
Thailand	334	56.4	14.6	11.6	12.9	4.5	56.4	0.0	1.0	3.5	60.4	51.9
United States	911	71.3	11.0	6.0	8.7	3.0	71.3	0.0	0.2	2.8	69.7	72.9
INTERNATIONAL AVG	.	70.0	8.9	5.8	7.2	8.0	70.0	0.7	1.9	5.5	70.5	69.7

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

Item: S01
 Given table of frequencies, complete bar graph for same information. (Data Rep., Analysis and Probability)
 Difficulty: 616

COUNTRY	N	20	21	10	11	70	79	90	99	V1	V2	NOT		1.GIRL % Right	2.BOY % Right	
												INVAL ID	REACH ED			
Australia	1618	48.5	1.6	2.7	5.1	0.0	21.9	4.0	16.2	57.9	50.1	0.0	1.0	15.2	52.6	47.7
Austria	664	35.5	3.5	5.8	2.3	2.7	4.9	11.5	33.8	47.1	38.9	0.0	0.9	32.9	38.4	39.3
Canada	2078	44.3	1.2	17.4	3.6	2.8	8.7	6.5	15.5	66.5	45.5	0.0	1.8	13.7	48.0	41.8
Cyprus	862	26.5	3.8	5.1	5.8	0.6	18.6	0.4	39.1	41.3	30.4	0.0	3.7	35.5	32.5	28.7
Czech Republic	815	30.1	2.6	12.2	5.3	3.1	11.0	4.8	30.9	50.1	32.7	0.0	1.9	29.0	34.2	30.9
England	767	42.2	7.3	12.8	5.5	0.9	7.9	9.3	14.1	67.8	49.5	0.0	1.4	12.7	50.7	48.3
Greece	763	24.2	3.5	10.1	3.1	1.3	8.0	4.2	45.6	40.8	27.7	0.0	4.5	41.1	28.6	26.7
Hong Kong	1086	73.0	2.1	7.8	5.2	0.1	1.3	0.2	10.2	88.2	75.1	0.0	0.3	9.9	77.9	73.3
Hungary	757	28.2	2.9	9.0	2.2	6.7	11.6	3.6	35.8	42.3	31.1	0.0	5.1	30.8	32.5	29.9
Iceland	464	31.7	4.4	12.1	8.5	0.5	10.1	0.6	32.3	56.6	36.0	0.0	8.7	23.6	35.7	36.3
Iran, Islamic Rep.	850	0.7	0.4	7.7	0.0	0.5	12.6	3.0	75.0	8.9	1.2	0.0	4.8	70.3	1.4	0.9
Ireland	711	31.0	3.1	16.9	8.6	4.8	11.6	10.5	13.5	59.6	34.1	0.0	0.8	12.7	36.6	31.5
Israel	570	29.1	7.7	12.7	12.1	0.9	8.0	3.1	26.3	61.7	36.9	0.0	4.9	21.4	37.4	36.1
Japan	1070	77.1	1.0	10.6	4.4	0.1	1.7	0.5	4.5	93.2	78.1	0.0	0.1	4.4	83.1	73.2
Korea	705	77.4	5.9	3.7	3.6	0.7	6.7	2.1	0.0	90.6	83.2	0.0	0.0	0.0	85.5	80.9
Kuwait	1058	5.2	2.5	9.1	0.9	4.2	16.5	0.0	61.6	17.7	7.7	4.3	7.6	49.6	8.8	6.6
Latvia (LSS)	552	26.3	4.6	8.8	2.4	0.6	17.5	1.0	38.9	42.0	30.8	0.0	5.6	33.4	32.6	29.0
Netherlands	623	37.4	4.7	13.9	8.8	1.6	19.4	0.8	13.4	64.8	42.1	0.0	0.0	13.4	43.4	42.0
New Zealand	599	40.5	7.8	7.6	6.3	1.2	15.2	6.1	15.2	62.2	48.3	0.0	2.4	12.8	54.2	42.6
Norway	564	22.7	3.2	14.7	3.4	8.2	9.0	6.4	32.3	44.0	25.9	0.0	5.4	27.0	23.9	27.6
Portugal	704	11.6	1.6	8.3	1.6	3.9	13.1	1.6	58.3	23.1	13.2	0.0	7.7	50.6	14.7	12.0
Scotland	825	41.0	4.2	16.8	6.2	1.4	11.8	3.0	15.5	68.2	45.1	0.0	1.6	13.9	46.6	43.7
Singapore	1771	73.4	0.5	11.0	5.2	0.1	2.6	2.9	4.3	90.1	73.8	0.0	0.0	4.3	77.0	71.0
Slovenia	655	28.7	3.0	7.2	4.0	2.4	12.9	3.5	38.1	43.0	31.7	0.0	1.7	36.4	30.7	33.6
Thailand	747	30.7	7.4	16.6	4.4	0.2	14.4	1.5	24.8	59.1	38.1	0.0	0.9	23.9	41.9	34.6
United States	1832	53.6	1.2	12.6	3.6	0.4	9.8	1.3	17.5	71.0	54.8	0.0	0.3	17.2	57.6	52.0
INTERNATIONAL AVG	.	37.3	3.5	10.5	4.7	1.9	11.0	3.6	27.4	56.1	40.8	0.2	2.8	24.4	42.6	39.2

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: S02
 Complete number sentence: 2000+?+30+9=2739. (Whole Numbers)
 Difficulty: 530

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT		OMIT	1. GIRL % Right	2. BOY % Right
											INVAL	REACH ED			
Australia	1618	60.7	22.9	0.3	2.5	2.7	5.8	0.4	4.6	60.7	0.0	2.0	2.7	57.8	63.6
Austria	664	60.5	22.7	0.0	1.0	3.1	3.5	1.0	8.2	60.5	0.0	3.5	4.7	63.8	57.7
Canada	2078	65.4	13.9	0.1	2.7	1.8	8.6	1.1	6.5	65.4	0.0	3.1	3.4	65.6	64.9
Cyprus	862	60.8	9.6	0.0	2.2	1.7	9.9	0.3	15.5	60.8	0.0	7.8	7.7	59.0	63.0
Czech Republic	814	77.2	8.2	0.2	1.3	1.7	2.9	0.4	8.2	77.2	0.0	4.8	3.3	74.9	79.8
England	767	49.1	26.2	0.1	2.8	2.8	8.7	2.5	7.8	49.1	0.0	2.8	5.0	42.1	56.1
Greece	763	51.7	11.8	0.0	4.2	4.2	5.2	1.0	21.8	51.7	0.0	11.7	10.1	50.4	53.1
Hong Kong	1086	82.3	2.3	0.2	1.6	4.8	5.9	0.8	2.2	82.3	0.0	0.6	1.6	81.3	83.3
Hungary	757	76.0	6.7	0.0	0.6	0.9	3.4	0.3	12.1	76.0	0.0	8.6	3.4	73.8	78.2
Iceland	464	44.9	23.5	0.2	2.4	2.0	7.4	0.2	19.3	44.9	0.0	11.8	7.4	44.1	45.8
Iran, Islamic Rep.	850	26.3	13.2	0.2	1.0	1.9	26.9	3.4	27.2	26.3	0.0	13.9	13.3	26.4	26.1
Ireland	711	61.9	18.6	0.3	2.4	3.8	6.3	2.1	4.6	61.9	0.0	1.7	2.9	60.4	63.4
Israel	571	70.6	5.4	0.2	0.8	2.3	4.7	0.9	15.2	70.6	0.0	6.8	8.5	69.1	73.1
Japan	1070	85.9	3.0	0.0	0.6	1.9	5.4	0.9	2.4	85.9	0.0	0.8	1.6	84.4	87.3
Korea	705	91.3	1.9	0.0	1.2	1.6	3.1	0.9	0.0	91.3	0.0	0.0	0.0	90.3	92.4
Kuwait	1059	26.9	6.8	0.0	1.9	3.7	18.4	0.0	42.4	26.9	1.8	25.5	15.0	30.3	23.7
Latvia (LSS)	552	63.0	16.3	0.1	3.3	0.1	4.4	0.2	12.5	63.0	0.0	10.4	2.1	64.4	61.6
Netherlands	623	83.3	8.4	0.0	0.5	3.1	2.5	0.4	1.8	83.3	0.0	0.7	1.1	81.7	85.0
New Zealand	599	48.7	19.5	0.6	2.5	6.0	12.4	1.6	8.7	48.7	0.0	4.9	3.8	52.1	45.3
Norway	564	45.2	32.7	0.0	2.7	2.1	4.1	2.8	10.4	45.2	0.0	8.1	2.2	39.8	50.1
Portugal	704	59.6	9.2	0.0	2.2	3.1	5.1	0.8	19.9	59.6	0.0	14.3	5.6	60.4	58.9
Scotland	825	46.9	25.6	0.0	4.0	3.8	10.8	0.7	8.2	46.9	0.0	3.4	4.8	43.5	50.1
Singapore	1771	92.0	0.9	0.0	0.1	2.1	4.2	0.2	0.5	92.0	0.0	0.2	0.3	93.1	91.1
Slovenia	655	80.9	7.6	0.7	0.9	0.4	3.3	0.4	5.8	80.9	0.0	4.0	1.8	79.6	82.5
Thailand	747	58.5	8.4	0.0	0.9	9.2	12.9	2.0	8.0	58.5	0.0	4.2	3.8	58.1	58.9
United States	1832	57.7	15.7	0.2	1.8	5.6	14.8	0.6	3.7	57.7	0.0	1.2	2.5	53.6	61.7
INTERNATIONAL AVG	.	62.6	13.1	0.1	1.8	2.9	7.7	1.0	10.7	62.6	0.1	6.0	4.6	61.5	63.7

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: S03
 Solve word problem: 96.4-33.2 (Fractions and Proportionality)
 Difficulty: 684

COUNTRY	N	20	10	11	19	70	79	90	99	V1	V2	NOT		1.GIRL % Right	2.BOY % Right	
												INVAL ID	REACH ED			
Australia	1619	23.2	12.9	1.1	0.1	18.5	29.4	1.5	13.4	37.2	23.2	0.0	2.6	10.9	23.2	23.2
Austria	664	31.4	12.3	1.3	2.3	23.8	3.9	3.5	21.5	47.3	31.4	0.0	3.9	17.6	32.1	31.5
Canada	2078	25.5	11.2	1.0	0.3	33.8	10.7	1.5	16.1	38.0	25.5	0.0	4.6	11.4	26.3	23.2
Cyprus	862	16.4	14.7	2.3	0.8	18.1	23.6	0.3	23.9	34.2	16.4	0.0	9.4	14.5	16.1	16.9
Czech Republic	814	37.8	7.2	4.6	1.2	12.3	12.1	1.9	23.0	50.8	37.8	0.0	5.6	17.4	36.0	39.7
England	767	21.9	9.5	1.9	1.2	34.3	6.9	3.9	20.5	34.4	21.9	0.0	4.3	16.2	23.7	20.0
Greece	763	21.0	4.1	4.0	0.9	8.0	16.8	5.3	39.9	30.0	21.0	0.0	13.7	26.2	20.9	21.2
Hong Kong	1086	32.1	17.7	2.0	10.2	4.1	28.9	0.4	4.5	62.1	32.1	0.0	0.7	3.7	37.5	27.9
Hungary	757	13.3	20.3	2.9	1.3	19.2	24.3	0.5	18.2	37.7	13.3	0.0	9.7	8.5	16.2	10.6
Iceland	464	6.5	16.7	2.7	0.6	17.6	19.8	4.6	31.6	26.4	6.5	0.0	13.3	18.3	6.6	6.3
Iran, Islamic Rep.	850	9.5	2.0	1.3	0.1	9.2	36.9	1.0	40.0	12.9	9.5	0.0	14.2	25.8	7.6	11.2
Ireland	711	29.3	15.9	0.7	0.4	31.5	6.5	2.4	13.4	46.2	29.3	0.0	2.3	11.1	31.3	27.3
Israel	571	24.6	10.4	2.0	0.7	17.2	17.8	2.2	25.1	37.6	24.6	0.0	8.5	16.6	27.1	23.7
Japan	1070	39.8	21.4	7.4	0.0	11.9	11.8	1.3	6.3	68.7	39.8	0.0	1.1	5.1	43.5	36.2
Korea	705	53.4	3.9	12.2	0.0	4.3	23.6	2.7	0.0	69.5	53.4	0.0	0.0	0.0	55.7	51.2
Kuwait	1058	4.6	1.7	1.6	1.3	12.1	21.5	0.0	57.2	9.2	4.6	2.5	30.7	24.0	4.9	4.4
Latvia (LSS)	552	17.7	17.7	3.2	0.0	0.9	26.6	0.5	33.3	38.7	17.7	0.0	11.1	22.2	21.3	14.2
Netherlands	623	28.4	16.6	2.3	0.0	34.6	8.9	0.3	8.9	47.3	28.4	0.0	0.9	8.0	31.3	26.5
New Zealand	599	13.4	9.9	1.2	0.1	48.5	5.8	1.0	20.2	24.5	13.4	0.0	6.7	13.4	16.0	10.7
Norway	564	18.9	11.9	3.2	0.0	26.1	4.4	4.7	30.7	34.1	18.9	0.0	8.6	22.1	19.4	18.5
Portugal	704	14.5	6.0	1.6	0.8	25.2	12.6	2.0	37.3	23.0	14.5	0.0	15.4	21.9	17.9	11.7
Scotland	825	27.0	7.2	1.9	1.0	28.0	17.9	2.5	14.5	37.1	27.0	0.0	4.5	10.0	29.3	24.2
Singapore	1771	61.3	3.3	5.3	0.1	8.4	19.3	0.5	1.7	70.1	61.3	0.0	0.2	1.5	63.5	59.3
Slovenia	655	33.4	8.9	1.2	0.8	13.4	13.3	2.1	26.8	44.4	33.4	0.0	4.5	22.3	35.0	32.5
Thailand	747	32.3	9.1	0.0	0.0	40.7	7.5	1.6	8.8	41.4	32.3	0.0	5.7	3.1	34.7	30.1
United States	1832	31.9	6.4	3.1	0.6	30.6	19.3	1.0	7.0	42.0	31.9	0.0	1.6	5.5	33.6	30.3
INTERNATIONAL AVG	.	25.7	10.7	2.8	0.9	20.5	16.5	1.9	20.9	40.2	25.7	0.1	7.1	13.7	27.3	24.3

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: S04
 Solve word problem: $10/30 = ?/90$. (Fractions and Proportionality)
 Difficulty: 583

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
													INVAL ID	REACH ED	OMIT		
Australia	1619	55.9	5.8	2.1	6.9	0.2	3.0	1.9	13.6	0.8	9.8	55.9	0.0	4.9	4.9	57.2	54.5
Austria	664	53.0	5.0	5.5	6.2	0.3	2.3	2.2	7.4	1.7	16.4	53.0	0.0	8.2	8.1	54.3	53.0
Canada	2078	44.1	5.9	2.1	8.5	0.2	1.3	3.1	20.5	0.6	13.7	44.1	0.0	9.8	3.9	46.7	42.8
Cyprus	861	36.8	5.0	1.0	6.6	0.0	1.0	4.2	19.3	0.5	25.7	36.8	0.0	14.6	11.0	33.1	40.7
Czech Republic	814	56.7	4.7	1.9	3.8	0.1	1.1	1.8	8.0	1.5	20.4	56.7	0.0	12.8	7.5	55.3	58.3
England	767	52.7	6.0	1.8	3.9	0.5	3.8	2.4	15.2	1.1	12.6	52.7	0.0	7.8	4.8	47.2	58.3
Greece	763	31.1	10.1	2.1	6.3	0.1	2.6	5.4	9.6	1.7	31.0	31.1	0.0	19.6	11.4	29.8	32.5
Hong Kong	1086	55.5	8.3	2.8	4.2	0.0	2.5	2.4	20.2	0.3	3.9	55.5	0.0	2.1	1.7	55.3	56.2
Hungary	757	42.2	5.4	2.2	7.6	0.0	2.7	1.8	18.4	0.3	19.5	42.2	0.0	12.9	6.6	39.2	45.0
Iceland	464	36.8	11.5	0.8	8.1	0.3	4.2	2.3	8.1	1.8	26.2	36.8	0.0	18.4	7.8	36.9	36.6
Iran, Islamic Rep.	850	18.1	2.6	0.5	5.3	0.0	0.8	3.1	27.7	2.1	39.7	18.1	0.0	20.4	19.3	14.1	21.9
Ireland	711	58.3	2.6	1.7	5.0	0.0	3.2	2.9	16.1	1.6	8.4	58.3	0.0	5.2	3.2	59.4	57.2
Israel	568	57.4	6.3	1.7	2.4	0.0	2.1	2.7	10.5	0.7	16.2	57.4	0.0	12.9	3.3	54.8	59.1
Japan	1070	70.3	1.0	0.0	1.2	0.1	0.0	5.2	16.0	1.3	4.9	70.3	0.0	2.5	2.4	66.5	74.1
Korea	705	69.3	0.5	0.3	1.5	0.3	0.4	6.9	19.0	1.9	0.0	69.3	0.0	0.0	0.0	65.7	72.9
Kuwait	1059	11.2	11.7	2.0	3.5	0.3	1.4	1.2	17.3	0.0	51.3	11.2	1.3	40.7	9.3	9.4	12.9
Latvia (LSS)	552	45.9	2.4	0.6	7.9	0.0	1.5	1.0	16.5	1.1	23.0	45.9	0.0	16.3	6.8	46.0	45.8
Netherlands	623	72.9	1.8	5.1	3.7	0.2	5.4	1.4	6.8	0.0	2.7	72.9	0.0	1.6	1.1	69.9	76.2
New Zealand	599	47.2	7.5	1.9	7.6	0.0	2.5	0.9	15.5	0.5	16.4	47.2	0.0	13.5	3.0	46.3	48.0
Norway	564	26.9	12.8	4.4	16.4	0.3	5.5	3.4	7.2	1.2	21.7	26.9	0.0	15.7	6.0	26.9	27.2
Portugal	704	25.2	4.8	3.3	4.8	0.4	3.4	2.4	16.2	1.0	38.5	25.2	0.0	25.5	13.0	23.8	26.3
Scotland	825	52.5	3.0	2.2	6.7	0.2	1.9	2.4	19.1	0.5	11.5	52.5	0.0	7.3	4.2	50.6	53.7
Singapore	1771	63.1	1.8	1.9	6.5	0.2	1.0	4.6	18.8	0.6	1.5	63.1	0.0	0.6	0.9	63.5	62.7
Slovenia	655	51.2	3.6	1.0	13.1	0.0	3.4	2.3	8.8	0.4	16.1	51.2	0.0	11.6	4.5	49.6	52.8
Thailand	747	25.8	7.6	3.5	22.5	0.2	3.7	5.1	19.0	2.9	9.7	25.8	0.0	6.8	2.9	27.3	24.4
United States	1832	45.1	7.1	1.9	12.1	0.4	1.9	2.6	23.0	0.5	5.5	45.1	0.0	2.9	2.6	42.7	47.4
INTERNATIONAL AVG	.	46.3	5.6	2.1	7.0	0.2	2.4	2.9	15.3	1.0	17.2	46.3	0.1	11.3	5.8	45.1	47.7

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: S05
 Given picture of a paper clip, about how many lengths of the clip is the length of this line? (Measurement, Estimation, & Number Sense)
 Difficulty: 570

COUNTRY	N	10	11	19	70	71	72	73	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
													INVAL ID	REACH ED	OMIT		
Australia	1619	22.3	29.4	6.2	4.3	4.0	8.4	2.9	11.9	2.7	7.9	57.9	0.0	5.9	1.9	59.2	56.6
Austria	663	25.6	38.2	1.3	1.1	1.4	10.7	3.5	3.6	0.9	13.6	65.1	0.0	10.7	2.9	61.9	68.1
Canada	2078	25.0	26.1	3.0	5.6	4.2	5.9	1.9	11.4	2.5	14.5	54.1	0.0	11.6	2.9	56.1	51.3
Cyprus	861	10.5	25.9	0.6	3.8	1.5	17.4	1.5	13.6	0.4	24.8	37.0	0.0	19.8	5.0	37.8	36.6
Czech Republic	814	26.1	29.1	1.3	1.8	1.7	8.0	0.9	7.6	1.4	22.0	56.5	0.0	16.8	5.2	54.8	58.4
England	767	28.6	25.2	3.9	5.9	5.1	7.8	3.4	7.0	2.6	10.5	57.7	0.0	9.1	1.5	55.8	59.6
Greece	762	8.9	25.8	1.1	3.3	2.4	7.1	4.2	11.2	2.8	33.2	35.8	0.0	23.2	9.9	33.0	38.6
Hong Kong	1086	15.1	35.2	1.4	18.7	5.1	8.0	2.0	10.7	0.7	3.1	51.8	0.0	2.5	0.6	57.3	47.4
Hungary	757	25.1	24.5	7.3	8.4	1.0	4.5	0.8	10.9	0.1	17.3	57.0	0.0	15.3	2.0	56.0	57.7
Iceland	464	17.9	24.0	4.4	7.0	4.4	8.6	2.2	5.8	2.3	23.3	46.3	0.0	21.0	2.3	48.3	44.1
Iran, Islamic Rep.	850	10.0	8.5	0.5	16.8	0.1	4.1	1.3	12.1	3.4	43.2	19.0	0.0	29.2	14.0	16.9	21.0
Ireland	711	24.5	31.2	4.7	5.5	5.1	10.4	2.3	6.1	1.6	8.6	60.4	0.0	6.4	2.2	59.5	61.2
Israel	568	15.7	18.3	0.8	9.6	3.9	8.3	6.2	13.9	1.9	21.4	34.8	0.0	13.7	7.7	35.2	36.1
Japan	1070	8.4	58.5	0.7	7.8	4.2	2.6	1.0	9.2	0.3	7.3	67.6	0.0	4.0	3.4	67.0	68.2
Korea	705	20.0	44.5	2.1	8.0	3.2	8.3	1.3	10.4	2.1	0.0	66.6	0.0	0.0	0.0	66.6	66.7
Kuwait	1055	7.0	6.1	1.2	7.8	3.6	2.3	0.9	17.9	0.0	53.2	14.3	2.7	44.2	6.3	16.6	12.1
Latvia (LSS)	552	11.8	23.5	1.2	1.3	0.6	5.4	1.6	28.4	0.7	25.5	36.5	0.0	18.4	7.2	37.6	35.4
Netherlands	623	22.9	33.6	4.7	6.1	1.3	10.3	2.6	15.6	0.1	2.8	61.2	0.0	2.0	0.8	62.5	60.2
New Zealand	599	18.5	21.1	4.9	6.0	4.5	10.2	2.7	13.8	1.8	16.6	44.5	0.0	14.5	2.1	47.3	41.8
Norway	564	23.3	34.9	1.5	1.8	2.1	6.3	3.5	6.0	1.0	19.6	59.7	0.0	16.7	2.9	57.6	61.4
Portugal	704	10.3	17.0	1.7	4.6	1.6	7.0	2.6	14.9	1.1	39.2	29.0	0.0	31.7	7.5	29.1	29.0
Scotland	825	22.9	29.5	4.6	5.8	5.1	7.5	3.2	9.8	1.3	10.2	57.1	0.0	8.6	1.7	58.3	55.7
Singapore	1770	11.3	34.4	1.8	9.0	3.9	9.0	1.9	26.6	0.6	1.5	47.5	0.0	0.8	0.6	47.8	47.2
Slovenia	655	16.2	25.8	1.2	4.4	1.9	4.6	1.1	22.0	4.2	18.5	43.2	0.0	12.6	5.9	44.8	41.9
Thailand	747	14.4	17.6	1.3	20.2	6.1	6.4	2.0	21.5	0.5	9.9	33.4	0.0	8.0	1.9	32.7	34.0
United States	1832	21.1	28.8	2.8	12.8	6.1	8.2	2.2	11.8	0.8	5.3	52.7	0.0	3.6	1.8	51.1	54.4
INTERNATIONAL AVG	.	17.8	27.6	2.5	7.2	3.2	7.6	2.3	12.8	1.5	17.4	47.9	0.1	13.5	3.9	48.1	47.9

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: T01A
 Read simple information from bar graph. (Data Rep., Analysis and Probability)
 Difficulty: 468

COUNTRY	N	10	70	79	90	99	V1	NOT		OMIT	1.GIRL % Right	2.BOY % Right
								INVAL	REACH ED			
Australia	1621	87.5	2.2	7.6	0.1	2.6	87.5	0.0	1.7	0.9	88.0	87.2
Austria	659	78.0	4.4	12.0	0.6	5.0	78.0	0.0	1.1	3.9	78.6	79.1
Canada	2119	93.3	0.8	3.0	0.1	2.8	93.3	0.0	1.0	1.8	92.3	94.5
Cyprus	830	78.8	3.6	11.3	0.7	5.6	78.8	0.0	2.2	3.4	78.3	79.7
Czech Republic	820	84.8	0.0	8.3	0.9	6.1	84.8	0.0	2.3	3.8	83.5	86.2
England	.	.	.	.	.	.	.	.	.	.	.	.
Greece	775	62.2	1.6	18.5	1.0	16.8	62.2	0.0	3.4	13.4	68.4	55.3
Hong Kong	1093	74.5	0.5	22.7	1.6	0.8	74.5	0.0	0.3	0.5	75.3	73.8
Hungary	772	70.5	5.2	16.7	0.1	7.6	70.5	0.0	3.8	3.8	67.0	74.1
Iceland	445	76.7	3.0	8.9	0.8	10.6	76.7	0.0	9.2	1.4	73.8	80.3
Iran, Islamic Rep.	853	11.6	33.8	15.7	1.8	37.0	11.6	0.0	5.9	31.2	7.3	15.7
Ireland	731	86.7	2.7	8.6	0.6	1.4	86.7	0.0	0.7	0.7	85.0	88.4
Israel	638	76.4	0.6	17.2	0.4	5.4	76.4	0.0	2.9	2.5	74.3	80.7
Japan	1073	94.5	0.5	4.4	0.2	0.5	94.5	0.0	0.3	0.2	94.5	94.4
Korea	705	95.5	1.7	2.4	0.3	0.1	95.5	0.0	0.0	0.1	93.7	97.3
Kuwait	1062	17.2	11.6	38.4	0.0	32.8	17.2	2.4	7.8	22.6	16.3	18.0
Latvia (LSS)	552	63.2	2.3	23.5	0.9	10.2	63.2	0.0	3.2	7.0	60.7	65.5
Netherlands	622	93.7	0.6	4.8	0.1	0.8	93.7	0.0	0.0	0.8	93.5	94.2
New Zealand	605	77.5	2.6	15.5	0.2	4.2	77.5	0.0	2.3	1.9	78.2	76.8
Norway	550	79.2	3.8	9.7	0.8	6.5	79.2	0.0	5.1	1.4	82.2	78.2
Portugal	717	57.1	5.5	23.5	0.8	13.2	57.1	0.0	8.9	4.2	55.3	58.7
Scotland	839	83.2	2.9	10.6	0.6	2.7	83.2	0.0	1.5	1.2	81.4	85.0
Singapore	1789	95.4	0.1	3.5	0.5	0.5	95.4	0.0	0.1	0.4	95.8	95.1
Slovenia	662	73.4	5.1	16.5	0.9	4.2	73.4	0.0	1.1	3.1	70.3	77.2
Thailand	818	82.3	4.4	10.6	0.8	1.9	82.3	0.0	0.6	1.3	82.0	82.4
United States	1835	89.6	0.1	8.3	0.0	2.0	89.6	0.0	0.5	1.4	89.1	90.1
INTERNATIONAL AVG	.	75.3	4.0	12.9	0.6	7.3	75.3	0.1	2.6	4.5	74.6	76.3

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: T01B
 Read information from bar graph and add to find a total. (Data Rep., Analysis and Probability)
 Difficulty: 639

COUNTRY	N	20	21	29	10	11	19	70	71	79	90	99	V1	V2	NOT			1.GIRL % Right	2.BOY % Right	
															INVAL ID	REACH ED	OMIT			
Australia	1621	33.9	0.0	0.1	3.5	26.2	0.1	5.9	2.3	21.8	0.7	5.3	64.0	34.1	0.0	2.1	3.2	33.5	34.6	
Austria	659	37.4	0.0	0.7	0.8	19.7	0.9	3.8	4.2	19.7	0.9	11.8	59.5	38.2	0.0	1.9	10.0	41.6	35.5	
Canada	2119	45.8	0.1	0.1	4.1	10.4	0.3	2.6	0.7	32.1	0.4	3.3	60.8	46.0	0.0	1.8	1.5	48.6	45.2	
Cyprus	830	18.2	0.0	0.1	8.4	20.1	0.0	3.6	2.3	34.6	0.9	11.7	46.8	18.3	0.0	4.1	7.6	20.8	16.3	
Czech Republic	820	51.1	0.1	0.0	3.2	8.9	0.7	4.3	1.1	19.5	1.1	9.9	64.0	51.2	0.0	4.1	5.8	52.8	49.3	
England
Greece	775	21.3	12.2	0.0	1.2	6.2	1.1	3.0	1.6	26.4	4.0	23.0	41.9	33.5	0.0	8.1	14.9	36.6	30.0	
Hong Kong	1093	38.2	0.0	0.0	2.4	18.8	12.7	3.4	0.3	17.3	2.7	4.3	72.1	38.2	0.0	0.5	3.8	42.7	34.8	
Hungary	772	25.7	2.3	0.0	3.3	20.9	1.5	5.9	5.4	23.8	0.1	11.2	53.6	27.9	0.0	6.0	5.2	27.5	28.6	
Iceland	445	16.0	3.4	0.6	6.9	15.5	1.0	4.0	2.7	26.3	8.6	15.1	43.4	20.0	0.0	10.6	4.5	19.4	20.7	
Iran, Islamic Rep.	853	3.1	0.5	0.0	0.5	1.2	0.4	0.7	19.5	31.6	1.5	41.1	5.6	3.6	0.0	8.9	32.2	1.8	5.3	
Ireland	731	47.5	0.0	0.0	2.3	20.2	0.8	4.6	1.8	20.0	0.0	2.8	70.8	47.5	0.0	0.8	1.9	48.6	46.5	
Israel	638	38.6	0.5	0.7	2.9	14.4	1.1	3.4	2.2	26.3	0.8	9.2	58.2	39.8	0.0	4.1	5.1	42.0	39.7	
Japan	1073	17.7	14.2	0.1	1.7	33.2	2.7	5.5	0.8	21.3	0.2	2.7	69.5	31.9	0.0	0.3	2.3	32.4	31.5	
Korea	705	67.6	4.0	1.5	6.2	5.6	0.0	1.6	1.6	11.1	0.7	0.1	84.9	73.1	0.0	0.1	0.0	76.4	70.0	
Kuwait	916	2.9	0.1	0.2	4.4	2.0	0.0	3.4	4.9	41.4	0.0	40.7	9.6	3.2	2.1	19.7	18.8	3.1	3.3	
Latvia (LSS)	552	32.8	0.1	0.0	3.0	9.5	0.2	4.5	2.0	30.2	0.2	17.5	45.5	32.9	0.0	5.8	11.7	30.9	34.8	
Netherlands	622	38.5	17.4	0.2	4.3	14.4	3.6	4.8	1.3	13.4	0.5	1.6	78.4	56.0	0.0	0.6	0.9	58.2	54.1	
New Zealand	605	29.2	0.6	0.1	3.4	16.0	0.3	5.1	1.9	35.3	0.4	7.5	49.7	30.0	0.0	3.6	3.9	33.3	26.5	
Norway	550	24.6	3.8	0.0	7.0	16.0	0.8	4.7	4.3	24.7	1.4	12.7	52.2	28.3	0.0	5.4	7.3	33.8	23.9	
Portugal	717	25.2	0.4	0.5	3.6	8.5	2.3	2.0	2.1	30.8	1.3	23.5	40.3	26.0	0.0	10.9	12.6	27.8	24.5	
Scotland	839	0.0	0.0	43.2	0.0	0.0	21.1	0.0	0.3	29.0	0.6	5.8	64.3	43.2	0.0	2.3	3.5	46.9	39.5	
Singapore	1789	79.7	0.0	0.2	5.7	3.3	0.1	1.0	0.1	8.5	0.7	0.8	88.9	79.9	0.0	0.1	0.6	80.9	79.1	
Slovenia	662	46.9	0.4	0.2	5.1	6.6	1.3	3.9	4.6	19.7	0.5	10.6	60.6	47.5	0.0	1.7	8.9	49.0	45.9	
Thailand	818	21.3	1.1	0.9	4.1	21.7	2.1	5.8	3.9	34.9	1.8	2.5	51.2	23.3	0.0	1.2	1.2	27.5	20.0	
United States	1835	56.9	0.0	0.4	3.0	10.2	2.7	3.3	0.7	19.9	0.3	2.6	73.2	57.3	0.0	0.8	1.8	61.0	53.5	
INTERNATIONAL AVG	.	32.8	2.4	2.0	3.6	13.2	2.3	3.6	2.9	24.8	1.2	11.1	56.4	37.2	0.1	4.2	6.8	39.1	35.7	

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: T02
 Arrange four digits to make the smallest possible whole number. (Whole Numbers)
 Difficulty: 614

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT		1.GIRL % Right	2.BOY % Right	
													INVAL ID	REACH ED			
Australia	1621	65.4	0.9	6.2	1.3	2.3	4.4	1.4	12.6	0.4	5.0	65.4	0.0	2.1	2.9	66.5	64.3
Austria	659	41.5	2.3	12.9	2.9	3.1	2.4	2.5	20.7	1.0	10.8	41.5	0.0	2.1	8.7	41.1	42.9
Canada	2119	48.5	1.8	9.7	2.8	3.4	7.3	1.6	17.7	0.7	6.7	48.5	0.0	2.1	4.6	51.5	47.3
Cyprus	830	32.7	1.4	9.2	1.9	3.8	6.0	0.2	24.3	0.1	20.3	32.7	0.0	5.3	14.9	33.8	32.0
Czech Republic	819	40.1	1.2	8.5	2.0	5.7	10.1	2.3	14.9	1.4	13.6	40.1	0.0	5.1	8.4	39.9	40.4
England	776	35.0	0.7	15.5	4.2	8.7	4.6	1.6	20.0	0.8	8.7	35.0	0.0	3.4	5.3	32.6	37.3
Greece	775	31.5	3.4	9.6	1.1	0.7	4.9	0.4	15.8	4.4	28.2	31.5	0.0	9.3	18.9	35.0	27.6
Hong Kong	1092	66.0	1.2	3.0	1.2	0.7	4.3	0.2	20.9	0.2	2.5	66.0	0.0	0.6	1.9	63.9	67.8
Hungary	772	57.9	0.3	4.0	1.7	0.8	9.0	1.5	12.6	0.0	12.2	57.9	0.0	7.3	5.0	60.3	56.2
Iceland	445	26.6	1.3	9.0	3.8	7.3	7.0	1.1	20.7	2.1	21.0	26.6	0.0	11.5	9.6	25.7	27.7
Iran, Islamic Rep.	853	54.9	0.8	0.9	0.2	0.0	10.8	0.3	7.0	0.5	24.7	54.9	0.0	9.5	15.2	55.0	54.7
Ireland	731	48.7	2.1	10.9	3.1	4.9	3.7	0.4	19.4	0.7	6.0	48.7	0.0	1.1	4.9	50.3	47.2
Israel	639	32.6	2.5	20.2	4.2	4.6	5.4	1.0	16.5	1.1	11.9	32.6	0.0	5.2	6.6	36.3	31.7
Japan	1073	52.9	3.7	19.8	2.4	0.2	2.0	1.9	11.3	1.2	4.6	52.9	0.0	0.6	4.0	48.2	57.9
Korea	705	92.3	2.0	0.0	0.3	0.0	2.5	0.0	2.2	0.6	0.1	92.3	0.0	0.1	0.0	92.2	92.3
Kuwait	1062	9.8	8.9	20.5	1.4	0.9	2.7	1.0	20.0	0.0	34.7	9.8	2.4	18.8	13.5	10.0	9.6
Latvia (LSS)	552	38.5	0.6	5.3	1.6	1.4	7.0	0.5	26.1	0.6	18.6	38.5	0.0	7.6	11.0	39.7	37.4
Netherlands	622	43.1	1.7	16.1	5.3	7.2	2.7	4.1	17.3	0.1	2.5	43.1	0.0	0.7	1.8	40.1	45.5
New Zealand	605	39.5	2.8	15.1	4.3	4.0	5.9	1.1	18.5	0.4	8.5	39.5	0.0	4.4	4.1	44.1	34.7
Norway	550	28.6	1.7	13.3	4.7	10.3	4.9	2.5	12.7	1.9	19.4	28.6	0.0	7.1	12.3	29.4	27.4
Portugal	717	31.2	2.1	9.6	2.6	1.5	16.7	0.2	11.0	0.4	24.7	31.2	0.0	13.1	11.6	33.9	28.8
Scotland	839	39.2	1.0	12.0	3.3	9.7	6.3	3.6	16.6	0.9	7.4	39.2	0.0	3.0	4.4	37.7	40.3
Singapore	1788	72.4	3.7	7.5	1.3	0.4	3.7	0.1	9.8	0.4	0.9	72.4	0.0	0.1	0.7	72.9	71.9
Slovenia	662	29.9	2.1	30.4	2.4	8.3	2.2	1.1	12.3	1.7	9.6	29.9	0.0	1.9	7.7	29.3	30.3
Thailand	818	19.4	7.7	25.4	1.1	1.0	3.6	0.8	33.9	1.4	5.7	19.4	0.0	2.1	3.6	22.3	17.1
United States	1835	49.7	2.6	8.4	2.7	5.2	7.3	1.3	18.7	0.3	3.9	49.7	0.0	1.0	2.9	50.3	49.0
INTERNATIONAL AVG	.	43.4	2.3	11.7	2.5	3.7	5.7	1.3	16.7	0.9	12.0	43.4	0.1	4.8	7.1	43.9	43.1

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: T03

Mr. Brown talks a 1 hour and 30 minute walk and returns at 7:00. At what time did he start? (Measurement, Estimation, & Number Sense)

Difficulty: 593

COUNTRY	N	10	11	70	71	72	73	79	90	99	V1	NOT REACH		OMIT	1.GIRL % Right	2.BOY % Right
												INVAL ID	ED			
Australia	1621	61.1	0.4	0.2	2.6	10.2	5.9	13.7	0.1	5.7	61.5	0.0	2.4	3.4	57.8	65.0
Austria	659	59.9	4.5	2.7	0.5	8.0	3.2	12.2	0.4	8.7	64.4	0.0	3.9	4.8	60.4	69.7
Canada	2119	44.1	0.4	0.3	2.2	16.5	8.1	21.4	0.6	6.2	44.6	0.0	2.6	3.6	42.1	48.2
Cyprus	830	40.6	0.0	0.3	2.4	8.1	8.2	22.8	0.0	17.6	40.6	0.0	7.5	10.1	30.0	50.4
Czech Republic	819	55.9	7.6	4.4	1.2	8.4	1.9	10.8	1.0	8.8	63.5	0.0	6.7	2.1	60.8	66.7
England	776	46.4	2.8	0.4	2.1	13.7	9.0	16.3	1.1	8.2	49.2	0.0	3.7	4.5	45.2	52.9
Greece	775	28.7	0.3	0.1	1.8	5.5	6.2	25.2	1.0	31.2	29.0	0.0	11.8	19.4	25.6	32.8
Hong Kong	1092	30.8	1.4	0.4	2.1	8.1	4.9	44.9	1.6	5.8	32.2	0.0	0.7	5.1	27.9	35.5
Hungary	772	37.9	14.9	1.6	1.5	8.9	3.6	15.3	0.5	15.8	52.8	0.0	9.7	6.1	47.9	57.8
Iceland	445	30.0	13.2	2.7	2.2	9.6	5.2	15.4	2.8	18.9	43.2	0.0	15.1	3.9	43.6	42.6
Iran, Islamic Rep.	853	8.3	0.2	0.3	0.8	5.2	2.4	45.8	2.0	34.9	8.5	0.0	10.7	24.2	5.3	11.5
Ireland	731	52.6	4.1	0.3	1.6	8.2	8.0	19.9	1.9	3.5	56.7	0.0	1.4	2.1	49.5	63.7
Israel	639	44.6	1.8	0.0	1.7	9.1	12.6	19.0	0.9	10.4	46.3	0.0	6.2	4.3	41.1	52.6
Japan	1073	58.3	1.7	0.2	3.2	9.7	5.9	15.2	0.3	5.5	60.0	0.0	1.3	4.2	55.2	65.0
Korea	705	73.2	0.4	0.5	0.4	8.1	3.5	12.5	1.2	0.1	73.6	0.0	0.1	0.0	68.5	78.5
Kuwait	1063	3.9	2.4	0.8	2.6	4.5	2.7	43.8	0.0	39.3	6.2	2.0	20.5	16.8	3.9	8.4
Latvia (LSS)	552	58.9	0.4	0.5	1.3	9.4	2.0	11.9	1.4	14.1	59.4	0.0	9.9	4.2	51.6	66.8
Netherlands	622	42.9	28.8	8.9	0.3	4.3	2.5	10.0	0.2	2.1	71.7	0.0	1.1	1.1	64.2	78.9
New Zealand	605	43.6	1.6	0.0	2.7	13.0	6.0	23.8	0.6	8.6	45.2	0.0	5.3	3.3	44.9	45.6
Norway	550	42.7	16.9	3.4	1.9	9.1	2.4	8.5	1.1	13.9	59.6	0.0	9.8	4.1	56.5	62.0
Portugal	717	15.9	0.3	0.9	0.3	7.6	18.2	25.3	1.1	30.5	16.1	0.0	17.1	13.4	12.7	19.2
Scotland	839	48.5	5.1	0.2	1.9	10.7	10.1	15.9	0.0	7.7	53.6	0.0	3.8	3.9	49.5	57.4
Singapore	1789	51.1	0.0	0.1	1.1	7.9	11.4	27.2	0.3	0.9	51.1	0.0	0.2	0.7	46.3	55.4
Slovenia	662	57.1	1.7	2.3	1.8	6.6	7.1	12.5	2.0	8.9	58.8	0.0	3.3	5.6	53.8	64.0
Thailand	818	12.8	0.0	0.1	7.7	12.0	7.4	53.2	1.0	5.6	12.9	0.0	3.3	2.4	12.3	13.3
United States	1835	49.3	0.0	0.1	2.9	15.1	9.7	19.8	0.2	2.9	49.3	0.0	1.2	1.7	44.5	54.3
INTERNATIONAL AVG	.	42.3	4.3	1.2	2.0	9.1	6.5	21.6	0.9	12.2	46.5	0.1	6.1	6.0	42.4	50.7

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: T04A
 Does 10 girls and 20 boys mean one girl for every two boys? Explain. (Fractions and Proportionality)
 Difficulty: 745

COUNTRY	N	10	19	70	71	72	73	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
												INVAL	REACH	OMIT		
Australia	1621	27.1	7.1	4.8	6.6	15.6	21.4	3.7	3.6	10.0	34.3	0.0	3.1	6.9	37.8	30.9
Austria	659	12.7	0.2	1.0	12.3	5.5	46.4	2.5	1.8	17.7	12.9	0.0	4.8	12.9	15.0	11.1
Canada	2119	20.3	1.4	9.9	5.0	28.6	19.0	4.5	2.2	9.1	21.7	0.0	3.3	5.8	25.2	16.8
Cyprus	829	21.0	0.1	7.0	9.5	8.4	24.6	2.3	2.7	24.5	21.1	0.0	9.1	15.4	18.9	23.5
Czech Republic	819	22.9	1.7	5.2	7.9	12.1	25.2	2.7	1.5	20.8	24.6	0.0	7.5	13.3	27.1	21.7
England	776	28.7	1.6	9.3	6.2	19.8	17.0	2.6	3.9	10.9	30.3	0.0	4.2	6.7	32.5	28.3
Greece	775	10.1	0.8	6.4	6.8	12.6	28.2	1.8	1.9	31.4	10.9	0.0	13.9	17.5	12.6	9.1
Hong Kong	1081	10.7	0.1	3.0	10.0	15.1	43.5	1.4	10.9	5.3	10.8	0.0	0.9	4.4	11.0	10.6
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	445	4.3	0.5	2.9	13.3	7.1	46.8	1.0	1.1	23.1	4.8	0.0	16.6	6.5	7.2	2.0
Iran, Islamic Rep.	853	7.0	0.5	9.3	9.6	15.6	29.7	3.2	2.7	22.5	7.5	0.0	15.4	7.1	7.9	7.1
Ireland	730	24.5	1.9	9.0	7.6	24.9	17.8	1.4	3.7	9.2	26.4	0.0	2.2	7.0	29.6	23.2
Israel	639	18.3	0.6	4.6	10.0	11.4	37.1	2.3	2.5	13.2	18.9	0.0	7.1	6.1	23.1	17.1
Japan	1073	5.1	25.3	12.4	6.7	22.9	12.6	4.6	1.2	9.1	30.4	0.0	2.1	7.0	31.5	29.2
Korea	705	35.2	8.1	16.9	3.2	22.2	6.3	4.2	1.4	2.6	43.2	0.0	0.1	2.5	45.2	41.4
Kuwait	1060	4.6	2.4	2.8	5.2	8.8	9.7	21.1	0.0	45.4	7.0	2.9	24.4	18.1	5.9	8.0
Latvia (LSS)	552	6.3	2.6	2.3	10.4	5.2	38.7	5.0	0.6	28.8	8.9	0.0	10.8	18.1	10.2	7.7
Netherlands	622	37.4	0.8	9.1	6.0	24.6	15.8	1.5	0.7	4.0	38.3	0.0	1.1	2.9	40.3	36.8
New Zealand	605	23.2	1.4	4.5	4.6	27.1	19.3	5.9	1.1	12.9	24.6	0.0	6.0	7.0	31.2	17.7
Norway	550	23.4	0.2	2.7	9.6	11.2	31.9	1.1	2.5	17.4	23.6	0.0	11.2	6.2	26.8	21.2
Portugal	717	7.3	1.9	3.8	6.3	15.3	21.4	6.0	1.4	36.5	9.2	0.0	21.8	14.8	8.9	9.4
Scotland	839	24.0	1.8	8.9	7.1	24.3	17.2	3.7	1.8	11.2	25.8	0.0	4.5	6.6	28.3	23.1
Singapore	1788	37.9	3.2	16.1	4.8	22.2	8.3	4.5	1.6	1.3	41.2	0.0	0.2	1.0	41.5	40.8
Slovenia	662	22.9	1.1	6.3	8.8	12.9	29.2	0.7	2.1	15.9	24.0	0.0	4.0	11.9	27.4	20.4
Thailand	818	3.3	1.1	6.9	16.1	14.3	45.4	1.7	4.2	6.9	4.5	0.0	3.8	3.1	6.4	2.9
United States	1835	25.2	0.3	10.5	4.1	29.5	16.9	6.1	1.2	6.3	25.4	0.0	1.3	5.0	28.4	22.4
INTERNATIONAL AVG	.	18.5	2.7	7.0	7.9	16.7	25.2	3.8	2.3	15.8	21.2	0.1	7.2	8.6	23.2	19.3

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: T04B

Does 10 girls and 20 boys mean half of all students are girls? Explain. (Fractions and Proportionality)

Difficulty: 796

COUNTRY	N	10	19	70	71	72	73	79	90	99	V1	NOT			1.GIRL % Right	2.BOY % Right
												INVAL	REACH	OMIT		
												ID	ED			
Australia	1621	16.1	5.0	10.5	19.9	13.4	14.9	2.5	2.2	15.4	21.1	0.0	4.6	10.8	22.6	19.7
Austria	659	5.4	0.0	4.0	25.1	7.3	33.0	1.4	2.0	21.7	5.4	0.0	8.4	13.3	7.3	3.9
Canada	2119	10.3	1.7	27.7	13.3	14.5	12.1	5.5	2.1	12.9	12.0	0.0	6.1	6.7	12.9	11.2
Cyprus	829	12.1	0.1	14.7	16.7	7.9	17.7	2.0	2.4	26.4	12.2	0.0	13.5	12.9	10.3	13.7
Czech Republic	819	17.0	0.8	5.2	10.4	12.5	27.7	1.8	1.5	23.0	17.8	0.0	12.9	10.1	19.2	16.2
England	776	16.2	3.4	19.7	10.3	13.9	12.7	2.4	3.5	17.9	19.6	0.0	5.4	12.5	23.1	16.4
Greece	775	7.1	0.5	10.5	16.3	9.4	14.8	1.4	1.2	38.8	7.6	0.0	19.8	19.0	9.2	5.9
Hong Kong	1081	13.1	0.3	8.5	26.6	6.8	27.2	1.1	9.3	7.0	13.4	0.0	1.7	5.3	11.6	14.9
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	445	3.3	1.4	7.5	30.8	6.8	23.7	0.1	1.2	25.1	4.7	0.0	19.7	5.4	5.6	3.7
Iran, Islamic Rep.	853	0.9	0.0	16.7	25.5	8.9	17.2	0.3	1.3	29.2	0.9	0.0	18.9	10.3	1.1	0.7
Ireland	731	23.4	1.8	18.0	10.7	14.0	15.7	1.2	2.7	12.4	25.2	0.0	4.1	8.3	29.5	21.0
Israel	639	14.7	1.3	13.1	24.1	8.1	20.0	2.8	0.9	15.1	16.0	0.0	9.5	5.6	18.1	15.7
Japan	1073	30.0	0.2	16.8	8.3	17.4	8.6	4.0	1.2	13.5	30.3	0.0	3.4	10.1	28.0	32.6
Korea	705	28.5	3.4	30.2	3.6	21.2	2.9	7.4	2.5	0.3	32.0	0.0	0.3	0.0	31.1	32.8
Kuwait	894	3.3	1.2	4.4	10.7	4.8	11.4	15.9	0.0	48.4	4.5	2.1	35.2	11.1	2.8	6.1
Latvia (LSS)	552	4.9	0.9	4.0	21.7	4.2	26.6	4.9	0.6	32.1	5.8	0.0	16.1	16.0	6.7	4.9
Netherlands	622	21.8	1.8	21.0	7.8	23.4	15.2	1.7	0.3	7.1	23.6	0.0	2.1	4.9	24.0	23.3
New Zealand	605	12.8	2.3	16.1	11.2	20.7	14.2	5.4	1.6	15.7	15.1	0.0	7.4	8.2	17.1	13.1
Norway	550	15.2	0.0	11.9	17.8	7.8	21.2	1.7	2.9	21.5	15.2	0.0	14.5	7.0	17.3	14.2
Portugal	717	1.6	1.1	15.2	17.3	6.3	8.8	4.6	1.3	43.8	2.6	0.0	28.6	15.3	1.8	3.3
Scotland	839	14.7	1.4	19.7	13.4	17.8	12.5	3.6	1.9	15.1	16.1	0.0	6.1	9.0	17.2	14.5
Singapore	1789	23.9	12.7	21.6	6.2	19.7	7.2	5.1	1.9	1.8	36.6	0.0	0.4	1.5	36.9	36.4
Slovenia	662	12.0	0.3	14.8	23.8	8.5	20.3	0.6	0.8	19.0	12.3	0.0	7.8	11.2	13.1	11.3
Thailand	818	2.7	1.0	12.0	27.6	9.8	33.3	1.6	4.3	7.7	3.7	0.0	6.1	1.6	4.3	3.2
United States	1835	16.5	0.3	26.6	10.0	20.7	12.7	5.0	0.9	7.4	16.7	0.0	2.8	4.5	16.8	16.7
INTERNATIONAL AVG	.	13.1	1.7	14.8	16.4	12.2	17.3	3.4	2.0	19.1	14.8	0.1	10.2	8.8	15.5	14.2

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: T05
 Shown picture of folded paper with shape cut out, draw picture of cut-out when unfolded. (Geometry)
 Difficulty: 520

COUNTRY	N	10	11	19	70	71	72	79	90	99	V1	NOT		OMIT	1.GIRL % Right	2.BOY % Right
												INVAL ID	REACH ED			
Australia	1621	62.0	9.5	0.1	0.4	0.9	2.2	15.2	0.4	9.4	71.6	0.0	6.5	2.9	75.9	67.4
Austria	657	57.3	7.4	1.7	0.3	1.0	5.1	12.7	1.7	12.9	66.4	0.0	8.9	4.0	66.1	67.3
Canada	2119	59.0	5.2	3.9	0.3	0.3	2.1	14.8	0.2	14.1	68.2	0.0	7.7	6.3	69.3	67.2
Cyprus	829	22.0	12.5	0.1	0.5	3.3	4.3	33.0	0.3	23.9	34.6	0.0	14.5	9.4	37.5	32.0
Czech Republic	820	47.7	8.2	7.6	0.0	0.6	2.3	11.8	1.8	20.0	63.5	0.0	14.1	5.9	62.9	64.2
England	776	67.2	8.9	0.3	0.2	0.8	4.2	7.4	0.8	10.1	76.5	0.0	6.7	3.4	77.7	75.3
Greece	775	15.7	11.6	0.4	0.6	2.9	4.5	31.2	2.8	30.3	27.7	0.0	22.2	8.0	29.9	25.3
Hong Kong	1079	64.8	8.2	8.2	0.4	0.0	0.3	11.3	1.0	5.7	81.3	0.0	2.2	3.5	83.8	79.4
Hungary	772	47.9	11.2	3.1	0.3	0.5	2.6	10.0	0.0	24.4	62.2	0.0	15.9	8.4	62.1	63.1
Iceland	444	42.3	14.8	0.0	0.4	0.5	3.3	8.1	1.7	29.0	57.1	0.0	20.5	8.5	58.4	55.6
Iran, Islamic Rep.	853	11.7	0.6	3.0	0.0	0.0	2.4	21.8	2.4	58.2	15.2	0.0	23.8	34.3	15.7	14.8
Ireland	731	45.6	10.5	0.9	0.4	1.3	2.3	26.4	1.0	11.5	57.0	0.0	5.6	5.9	56.4	57.6
Israel	638	47.9	5.8	1.1	0.5	4.3	6.9	16.5	1.6	15.4	54.9	0.0	9.9	5.5	60.9	52.0
Japan	1073	67.2	18.1	3.0	0.1	0.7	0.3	3.2	0.6	6.6	88.4	0.0	4.4	2.2	89.5	87.2
Korea	705	76.0	6.6	1.8	1.3	0.4	0.9	8.7	3.6	0.6	84.4	0.0	0.3	0.3	86.2	82.7
Kuwait	1056	3.3	3.2	0.2	1.7	3.1	9.8	13.0	0.0	65.6	6.8	2.1	34.0	29.5	6.9	6.6
Latvia (LSS)	552	53.0	1.4	5.8	0.9	1.2	4.2	11.2	0.2	22.3	60.2	0.0	17.9	4.4	67.2	53.4
Netherlands	622	54.5	16.7	0.0	0.7	3.9	1.5	17.6	0.4	4.7	71.1	0.0	2.7	2.0	71.2	71.3
New Zealand	605	51.3	12.3	0.1	0.9	1.4	1.2	17.0	0.5	15.2	63.8	0.0	9.3	5.9	65.5	62.0
Norway	550	34.5	8.2	0.0	0.3	5.1	15.5	10.0	1.9	24.5	42.8	0.0	16.4	8.1	48.1	39.1
Portugal	717	18.4	6.9	0.4	0.7	2.4	5.8	18.0	2.7	44.8	25.6	0.0	32.2	12.6	25.5	25.7
Scotland	839	69.6	4.7	1.3	0.1	0.2	0.8	11.7	0.7	10.8	75.6	0.0	7.3	3.6	77.0	74.1
Singapore	1788	74.6	12.2	0.0	0.6	1.2	1.1	7.7	0.9	1.8	86.7	0.0	0.5	1.3	88.8	84.8
Slovenia	661	64.1	2.6	1.2	0.6	1.2	4.9	10.7	0.7	14.0	68.0	0.0	9.2	4.8	75.0	61.1
Thailand	818	39.8	2.3	4.2	0.6	4.1	5.9	20.4	2.2	20.5	46.3	0.0	6.7	13.8	47.5	45.4
United States	1835	56.4	4.2	5.1	0.2	0.5	2.7	24.1	0.2	6.8	65.6	0.0	3.2	3.5	65.4	65.9
INTERNATIONAL AVG	.	48.2	8.2	2.1	0.5	1.6	3.7	15.1	1.2	19.3	58.5	0.1	11.6	7.6	60.4	56.9

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: U01
 Given a triangle and large irregular figure, how many triangles will cover the figure? (Measurement, Estimation, & Number Sense)
 Difficulty: 576

COUNTRY	N	20	10	11	12	70	79	90	99	V1	V2	NOT		OMIT	1.GIRL % Right	2.BOY % Right
												INVAL ID	REACH ED			
Australia	1625	49.3	1.5	11.5	3.3	13.9	17.3	0.3	2.8	65.6	49.3	0.0	1.2	1.7	52.5	46.4
Austria	647	73.0	2.4	2.4	3.3	11.4	3.9	0.4	3.2	81.1	73.0	0.0	0.8	2.4	73.4	72.9
Canada	2120	49.0	1.7	7.0	4.2	6.8	28.5	0.4	2.3	61.9	49.0	0.0	1.4	0.9	53.3	46.4
Cyprus	846	44.0	1.9	3.2	3.5	24.7	17.3	0.1	5.2	52.7	44.0	0.0	1.5	3.8	44.6	43.1
Czech Republic	805	59.8	3.1	9.3	2.5	12.6	9.8	0.6	2.4	74.6	59.8	0.0	1.0	1.4	59.6	59.9
England	773	38.4	1.3	9.1	5.1	39.2	2.7	1.0	3.1	54.0	38.4	0.0	0.8	2.4	37.6	39.3
Greece	771	40.6	2.7	3.8	3.9	31.7	8.0	0.9	8.4	51.0	40.6	0.0	2.0	6.4	40.7	40.5
Hong Kong	1095	62.5	1.4	13.0	3.0	12.9	5.5	0.4	1.3	79.9	62.5	0.0	0.1	1.2	62.5	62.8
Hungary	755	68.7	1.8	2.1	4.6	11.2	5.7	0.4	5.5	77.2	68.7	0.0	3.4	2.1	72.3	65.7
Iceland	441	45.5	2.1	6.9	7.6	10.6	17.7	0.9	8.7	62.1	45.5	0.0	6.4	2.3	47.7	43.3
Iran, Islamic Rep.	838	41.0	2.7	3.8	3.6	2.0	34.3	2.3	10.4	51.1	41.0	0.0	2.5	7.9	43.3	38.9
Ireland	735	36.4	3.8	13.9	3.2	10.8	29.6	0.9	1.3	57.4	36.4	0.0	0.3	0.9	36.4	36.4
Israel	631	45.6	1.9	3.7	4.9	17.5	20.6	0.3	5.5	56.1	45.6	0.0	2.4	3.1	48.0	45.2
Japan	1082	77.2	0.5	5.3	3.6	10.3	1.4	0.4	1.3	86.7	77.2	0.0	0.5	0.8	77.8	76.6
Korea	701	74.1	4.2	3.8	5.9	3.9	7.4	0.6	0.0	88.0	74.1	0.0	0.0	0.0	79.3	69.1
Kuwait	1064	15.2	2.6	6.5	3.8	20.8	27.0	0.0	24.0	28.1	15.2	2.5	4.9	16.7	16.6	13.9
Latvia (LSS)	551	40.2	14.1	8.6	3.1	3.2	21.6	1.7	7.5	66.0	40.2	0.0	1.9	5.6	44.0	36.5
Netherlands	632	75.8	0.4	4.3	2.8	5.3	11.1	0.0	0.3	83.3	75.8	0.0	0.0	0.3	81.3	71.0
New Zealand	617	36.8	1.8	8.4	5.7	7.8	34.6	0.3	4.7	52.7	36.8	0.0	1.9	2.7	41.1	32.5
Norway	567	52.2	2.2	3.0	4.0	29.0	1.0	0.8	7.7	61.5	52.2	0.0	5.2	2.5	51.9	52.9
Portugal	721	42.6	3.0	4.7	5.7	21.5	11.8	0.5	10.2	55.9	42.6	0.0	5.1	5.2	42.1	42.9
Scotland	827	51.9	1.6	4.7	4.1	14.3	18.9	0.4	4.0	62.4	51.9	0.0	2.6	1.4	53.5	50.4
Singapore	1792	65.9	2.0	2.8	4.4	22.4	2.1	0.2	0.2	75.1	65.9	0.0	0.1	0.1	66.9	65.1
Slovenia	635	53.3	6.8	1.8	5.9	14.0	15.4	0.5	2.2	67.9	53.3	0.0	1.0	1.2	57.0	49.2
Thailand	762	22.4	0.7	18.7	1.7	4.5	46.1	0.7	5.2	43.5	22.4	0.0	0.3	4.9	20.6	23.9
United States	1839	45.5	1.1	9.7	3.7	7.8	30.2	0.5	1.6	60.0	45.5	0.0	0.3	1.3	46.7	44.3
INTERNATIONAL AVG	.	50.3	2.7	6.6	4.1	14.2	16.5	0.6	5.0	63.7	50.3	0.1	1.8	3.1	52.0	48.8

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: U02
 Write a fraction that is larger than 2/7. (Fractions and Proportionality)
 Difficulty: 564

COUNTRY	N	NOT REACHED											OMIT	1.GIRL % Right	2.BOY % Right			
		10	11	12	13	19	70	71	72	79	90	99				V1	INVALID ID	
Australia	1625	30.5	0.8	5.3	4.9	17.2	1.5	0.9	11.5	17.7	0.5	9.3	58.6	0.0	1.6	7.7	61.6	55.9
Austria	647	28.8	2.8	4.2	5.9	13.7	0.8	0.0	13.5	12.3	3.3	14.8	55.4	0.0	2.0	12.8	58.0	51.8
Canada	2120	28.0	0.7	8.9	2.6	21.6	1.4	1.1	6.3	21.2	1.4	6.7	61.9	0.0	1.6	5.1	65.5	61.0
Cyprus	846	26.3	2.2	5.7	15.6	19.5	4.7	3.9	2.9	9.5	0.6	9.2	69.3	0.0	2.6	6.5	67.9	70.8
Czech Republic	805	30.0	2.0	12.8	3.3	11.5	0.3	1.1	15.8	11.8	1.5	10.2	59.5	0.0	1.7	8.5	61.5	57.3
England	773	26.6	1.6	7.5	5.2	14.2	0.9	0.2	12.5	14.9	2.6	13.8	55.0	0.0	1.4	12.4	57.0	53.2
Greece	771	19.8	6.4	10.2	5.3	14.2	4.4	0.9	5.9	11.8	1.4	19.6	55.9	0.0	3.7	15.9	54.1	57.8
Hong Kong	1096	62.2	5.6	2.4	5.0	8.6	2.4	4.2	1.9	5.9	0.3	1.4	83.9	0.0	0.3	1.1	81.5	85.8
Hungary	755	24.8	8.2	6.6	7.2	16.6	4.2	0.1	12.9	6.0	1.8	11.7	63.2	0.0	4.8	6.9	63.7	63.0
Iceland	441	12.8	2.3	3.5	1.2	7.5	0.5	0.0	8.0	30.1	6.6	27.4	27.4	0.0	7.7	19.7	29.6	25.1
Iran, Islamic Rep.	841	23.1	1.2	8.9	0.4	6.9	1.5	10.4	3.6	19.4	2.8	21.8	40.5	0.0	4.6	17.2	43.8	37.5
Ireland	735	35.0	4.6	3.2	12.3	19.3	1.2	0.7	6.6	11.3	0.7	5.1	74.4	0.0	0.4	4.7	75.3	73.4
Israel	631	35.3	3.7	5.6	6.7	13.6	3.6	0.0	4.8	12.8	2.0	11.8	65.0	0.0	3.3	8.5	65.1	64.4
Japan	1082	69.3	3.1	0.7	3.3	2.0	12.8	0.1	2.4	2.5	0.3	3.6	78.3	0.0	0.9	2.7	77.8	78.7
Korea	701	86.1	0.6	0.8	0.7	1.8	3.9	1.3	1.1	3.2	0.5	0.0	90.1	0.0	0.0	0.0	89.2	90.9
Kuwait	1060	12.3	1.1	6.4	2.4	7.6	0.8	0.4	3.9	24.2	0.0	41.0	29.7	2.2	11.2	27.7	31.8	27.7
Latvia (LSS)	551	30.2	3.6	5.6	1.1	4.2	3.0	0.3	12.1	21.7	0.5	17.7	44.7	0.0	3.1	14.6	42.5	46.8
Netherlands	632	15.9	2.1	3.1	12.8	15.8	3.8	3.2	8.0	25.4	2.5	7.4	49.7	0.0	0.1	7.2	51.2	47.7
New Zealand	617	21.0	1.8	4.9	4.6	19.1	1.9	0.1	13.2	20.8	1.5	11.2	51.3	0.0	3.0	8.2	55.0	47.8
Norway	567	16.0	1.0	4.9	1.7	14.7	0.8	0.6	11.9	13.4	6.5	28.4	38.3	0.0	6.2	22.2	37.5	39.4
Portugal	721	10.4	0.9	9.5	0.7	6.9	0.4	0.0	9.6	23.4	0.7	37.6	28.3	0.0	7.2	30.4	28.1	28.6
Scotland	827	18.5	1.8	4.7	8.0	21.1	2.5	0.1	14.7	18.4	1.5	8.6	54.2	0.0	3.8	4.8	53.1	55.3
Singapore	1792	58.0	1.1	1.4	7.0	8.8	4.1	5.9	0.7	11.7	0.3	1.1	76.2	0.0	0.2	1.0	74.5	77.9
Slovenia	635	29.0	2.4	4.2	0.9	2.8	3.1	0.2	13.6	17.0	4.6	22.2	39.3	0.0	1.7	20.5	40.9	37.4
Thailand	762	40.8	0.0	12.3	0.1	19.7	1.5	0.7	4.9	12.8	1.9	5.3	72.9	0.0	2.2	3.1	77.0	68.4
United States	1839	28.4	3.2	7.9	8.3	20.5	3.3	2.5	8.3	13.7	1.0	2.8	68.3	0.0	0.6	2.2	68.2	68.4
INTERNATIONAL AVG	.	31.5	2.5	5.8	4.9	12.7	2.7	1.5	8.1	15.1	1.8	13.5	57.4	0.1	2.9	10.4	58.1	56.6

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: U03A
 Solve word problem using proportions: $3/10 = 9/?$ (Fractions and Proportionality)
 Difficulty: 534

COUNTRY	N	10	70	79	90	99	V1	NOT		OMIT	1.GIRL % Right	2.BOY % Right
								INVAL ID	REACH ED			
Australia	1625	67.5	1.7	24.2	0.5	6.2	67.5	0.0	2.9	3.3	63.8	71.1
Austria	648	66.5	0.8	22.0	1.0	9.7	66.5	0.0	3.6	6.1	62.9	70.6
Canada	2120	60.7	2.5	32.0	0.4	4.4	60.7	0.0	2.2	2.2	55.4	65.8
Cyprus	841	60.9	0.3	25.1	0.1	13.6	60.9	0.0	3.8	9.8	58.7	63.1
Czech Republic	805	75.2	0.5	17.4	0.8	6.1	75.2	0.0	2.3	3.9	70.4	80.4
England	773	60.0	2.1	29.2	0.3	8.4	60.0	0.0	3.5	4.9	54.6	65.2
Greece	771	53.4	1.4	27.1	0.5	17.6	53.4	0.0	5.3	12.4	50.7	56.1
Hong Kong	1097	79.0	1.1	17.8	0.1	2.1	79.0	0.0	0.3	1.7	78.7	79.7
Hungary	755	62.8	1.5	23.9	0.4	11.4	62.8	0.0	7.0	4.4	58.6	67.1
Iceland	441	57.7	1.8	21.4	0.2	18.9	57.7	0.0	12.6	6.3	53.9	61.5
Iran, Islamic Rep.	841	23.5	2.7	43.4	2.3	28.1	23.5	0.0	7.9	20.3	17.7	28.8
Ireland	736	67.4	1.9	26.5	0.7	3.6	67.4	0.0	0.8	2.8	62.1	72.5
Israel	631	60.0	4.2	24.9	0.1	10.8	60.0	0.0	3.9	6.9	58.2	64.7
Japan	1082	75.5	0.2	20.9	0.1	3.3	75.5	0.0	1.7	1.6	71.1	80.1
Korea	701	76.4	1.2	21.5	0.8	0.1	76.4	0.0	0.0	0.1	72.7	80.0
Kuwait	1057	16.8	5.7	39.7	0.0	37.8	16.8	2.9	16.3	18.6	15.3	18.1
Latvia (LSS)	551	60.0	0.4	22.9	1.3	15.4	60.0	0.0	4.4	11.0	55.3	64.6
Netherlands	632	80.7	5.9	12.2	0.3	0.9	80.7	0.0	0.5	0.4	77.7	83.1
New Zealand	617	60.4	3.3	27.7	0.3	8.3	60.4	0.0	4.1	4.1	55.7	65.0
Norway	567	60.9	2.9	19.4	1.4	15.4	60.9	0.0	10.4	5.0	53.9	65.8
Portugal	721	45.8	2.4	28.8	0.7	22.3	45.8	0.0	12.3	9.9	45.1	46.4
Scotland	827	56.8	2.1	32.4	0.2	8.6	56.8	0.0	4.5	4.1	53.6	60.0
Singapore	1792	73.7	0.8	24.5	0.2	0.8	73.7	0.0	0.3	0.5	71.3	75.8
Slovenia	635	67.6	0.8	22.8	0.8	8.0	67.6	0.0	4.2	3.8	61.8	73.8
Thailand	762	53.8	2.5	37.7	0.4	5.5	53.8	0.0	2.3	3.3	53.9	53.8
United States	1839	61.8	2.6	32.9	0.2	2.5	61.8	0.0	0.8	1.8	57.1	66.6
INTERNATIONAL AVG	.	61.0	2.1	26.1	0.5	10.4	61.0	0.1	4.5	5.7	57.3	64.6

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: U03B
 Solve word problem using proportions: $1/3 = 9/?$ (Fractions and Proportionality)
 Difficulty: 618

COUNTRY	N	10	70	79	90	99	V1	NOT		OMIT	1.GIRL % Right	2.BOY % Right
								INVAL ID	REACH ED			
Australia	1625	49.4	24.3	18.5	0.5	7.3	49.4	0.0	3.3	4.0	47.0	51.6
Austria	648	61.0	19.1	9.0	0.8	10.2	61.0	0.0	4.1	6.1	56.9	65.2
Canada	2120	41.6	22.2	30.1	1.2	4.9	41.6	0.0	3.0	1.9	36.8	45.5
Cyprus	841	28.7	34.9	21.4	0.2	14.8	28.7	0.0	5.5	9.4	24.5	32.2
Czech Republic	805	61.6	20.7	7.3	0.7	9.8	61.6	0.0	3.6	6.2	58.4	65.1
England	773	40.4	22.3	26.8	0.6	9.9	40.4	0.0	4.4	5.5	36.3	44.3
Greece	771	28.8	25.2	25.7	0.1	20.1	28.8	0.0	6.7	13.5	22.9	34.9
Hong Kong	1097	70.1	16.5	10.7	0.1	2.5	70.1	0.0	0.3	2.2	67.6	72.5
Hungary	755	48.9	27.9	10.6	0.1	12.5	48.9	0.0	8.6	3.9	47.9	49.6
Iceland	441	33.1	23.2	21.7	0.2	21.8	33.1	0.0	14.6	7.2	26.1	40.3
Iran, Islamic Rep.	841	11.0	27.2	31.8	1.4	28.6	11.0	0.0	9.7	18.9	8.8	13.1
Ireland	736	47.2	26.0	20.7	0.4	5.8	47.2	0.0	1.1	4.7	46.2	48.2
Israel	631	43.1	24.7	19.9	0.2	12.1	43.1	0.0	5.0	7.1	39.5	49.3
Japan	1082	60.9	22.9	11.1	0.5	4.6	60.9	0.0	2.0	2.6	56.8	65.1
Korea	701	64.0	12.0	22.7	1.2	0.1	64.0	0.0	0.1	0.0	58.1	69.7
Kuwait	898	7.5	11.8	41.4	0.0	39.3	7.5	2.9	21.7	14.7	4.4	10.6
Latvia (LSS)	551	46.9	7.2	24.7	0.6	20.6	46.9	0.0	6.0	14.5	46.0	47.7
Netherlands	632	62.3	25.0	11.4	0.2	1.1	62.3	0.0	0.7	0.4	58.8	65.6
New Zealand	617	36.2	27.6	25.1	0.4	10.7	36.2	0.0	5.7	5.0	32.5	39.8
Norway	567	42.9	24.0	14.0	1.6	17.5	42.9	0.0	11.5	6.0	37.4	46.4
Portugal	721	25.1	21.9	26.3	0.5	26.2	25.1	0.0	13.7	12.5	22.2	27.8
Scotland	827	44.8	11.5	33.6	0.3	9.8	44.8	0.0	6.1	3.7	41.3	48.0
Singapore	1792	68.8	15.7	14.5	0.2	0.8	68.8	0.0	0.5	0.4	66.2	71.1
Slovenia	635	61.3	16.3	11.3	0.9	10.3	61.3	0.0	4.9	5.3	60.1	62.7
Thailand	762	31.5	29.0	32.9	0.2	6.4	31.5	0.0	3.3	3.1	31.1	32.1
United States	1839	44.1	26.8	26.1	0.3	2.8	44.1	0.0	0.9	1.9	40.0	48.2
INTERNATIONAL AVG	.	44.7	21.8	21.1	0.5	11.9	44.7	0.1	5.7	6.2	41.3	47.9

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: U03C
 Solve two proportions and compare results. (Fractions and Proportionality)
 Difficulty: 445

COUNTRY	N	10	11	70	79	90	99	V1	INVAL	NOT	OMIT	1.GIRL	2.BOY
									ID	REACH		% Right	% Right
Australia	1625	72.8	6.2	8.1	4.6	0.7	7.6	79.0	0.0	3.5	4.1	78.8	79.2
Austria	648	73.8	7.3	6.8	0.8	1.8	9.4	81.1	0.0	4.5	5.0	80.1	82.2
Canada	2120	55.2	24.1	11.2	4.5	0.5	4.6	79.3	0.0	3.2	1.4	80.5	76.7
Cyprus	841	61.5	8.8	11.9	3.4	1.1	13.3	70.3	0.0	5.8	7.5	66.8	73.7
Czech Republic	805	73.7	10.0	4.5	1.5	0.6	9.7	83.7	0.0	5.8	3.9	81.8	85.8
England	773	63.2	11.7	10.5	2.0	2.8	9.9	74.8	0.0	5.1	4.8	75.4	74.3
Greece	771	45.6	17.1	9.8	6.2	1.6	19.7	62.7	0.0	7.0	12.7	59.3	66.2
Hong Kong	1097	71.6	9.0	8.5	4.0	4.8	2.1	80.6	0.0	0.4	1.7	83.6	78.5
Hungary	755	52.9	25.8	7.9	0.7	0.4	12.3	78.7	0.0	9.0	3.3	78.3	79.5
Iceland	441	37.2	28.4	10.7	2.2	0.8	20.6	65.6	0.0	16.1	4.6	65.9	65.2
Iran, Islamic Rep.	841	29.8	2.8	0.0	24.9	1.0	41.6	32.6	0.0	9.9	31.7	29.6	35.3
Ireland	736	69.3	14.0	8.8	2.2	0.8	4.8	83.3	0.0	1.2	3.6	83.6	83.1
Israel	631	60.8	9.8	7.3	9.1	1.2	11.9	70.6	0.0	5.6	6.3	73.6	70.6
Japan	1082	66.7	18.5	8.3	2.2	0.3	4.0	85.2	0.0	2.3	1.6	85.5	84.8
Korea	701	60.5	15.6	16.2	6.5	1.0	0.1	76.1	0.0	0.1	0.0	73.1	78.9
Kuwait	894	10.4	17.2	15.6	15.4	0.0	41.4	27.6	5.3	22.4	13.7	33.2	21.8
Latvia (LSS)	551	47.9	17.8	7.5	7.1	0.5	19.4	65.6	0.0	7.1	12.3	69.5	61.9
Netherlands	632	78.6	10.9	7.1	1.2	0.4	1.8	89.5	0.0	0.7	1.1	87.2	91.4
New Zealand	617	61.5	13.9	8.3	6.0	0.8	9.4	75.4	0.0	5.8	3.6	79.5	71.4
Norway	567	61.7	11.3	8.1	1.1	1.5	16.2	73.0	0.0	12.5	3.8	70.4	75.8
Portugal	721	51.2	10.4	8.8	2.8	0.5	26.3	61.6	0.0	15.6	10.7	60.0	63.0
Scotland	827	62.9	16.7	3.9	5.9	0.9	9.8	79.5	0.0	6.6	3.2	80.0	79.1
Singapore	1792	77.9	8.3	6.1	6.1	0.8	0.8	86.3	0.0	0.5	0.3	88.1	84.6
Slovenia	635	70.4	11.4	5.5	1.9	0.7	10.2	81.7	0.0	5.7	4.5	81.2	82.3
Thailand	762	35.8	29.8	19.5	6.9	2.0	6.0	65.6	0.0	3.7	2.3	67.5	63.7
United States	1839	69.8	12.6	9.8	4.9	0.2	2.7	82.4	0.0	1.0	1.7	84.3	80.5
INTERNATIONAL AVG	.	58.6	14.2	8.9	5.1	1.1	12.1	72.8	0.2	6.2	5.7	73.0	72.7

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: U04
 Explain operation used to find next number in a pattern. (Patterns, Relations and Functions)
 Difficulty: 552

COUNTRY	N	10	11	19	70	71	79	90	99	V1	NOT		OMIT	1. GIRL % Right	2. BOY % Right
											INVAL	REACH ED			
Australia	1625	49.5	22.5	0.5	2.7	2.1	15.3	0.9	6.5	72.5	0.0	3.8	2.7	67.1	77.4
Austria	648	55.2	6.6	2.5	7.6	1.2	8.2	4.7	14.0	64.3	0.0	4.5	9.5	61.4	66.8
Canada	2120	33.9	22.5	0.4	4.6	4.4	25.8	1.0	7.4	56.7	0.0	3.3	4.2	53.7	57.7
Cyprus	843	47.6	16.3	3.0	1.7	0.7	16.9	0.8	13.0	66.9	0.0	5.9	7.1	61.2	72.4
Czech Republic	804	51.0	12.3	1.8	1.3	2.2	15.1	2.5	13.8	65.1	0.0	6.2	7.5	62.5	68.0
England	773	39.7	16.8	0.0	7.6	2.7	22.6	2.3	8.3	56.6	0.0	5.2	3.0	54.3	58.8
Greece	771	28.4	9.4	4.0	4.3	0.4	28.9	3.2	21.5	41.8	0.0	7.1	14.4	40.4	43.1
Hong Kong	1079	32.0	32.6	0.5	1.2	0.9	28.5	0.6	3.8	65.1	0.0	0.6	3.2	62.2	67.8
Hungary	755	63.5	15.1	0.5	0.8	0.5	4.2	0.5	14.9	79.1	0.0	9.3	5.6	77.5	80.5
Iceland	441	17.0	9.2	0.7	7.0	3.9	30.1	3.8	28.3	26.9	0.0	16.2	12.1	26.6	27.2
Iran, Islamic Rep.	841	9.9	12.1	0.2	1.0	0.2	34.0	1.6	40.9	22.2	0.0	10.8	30.1	18.3	25.8
Ireland	736	47.9	25.7	0.5	6.2	3.1	11.8	1.0	3.9	74.1	0.0	1.3	2.6	71.1	77.1
Israel	631	33.6	10.1	1.9	13.8	4.0	20.4	5.4	10.9	45.6	0.0	5.9	5.0	45.6	47.6
Japan	1082	53.5	3.5	0.6	7.4	3.1	23.4	0.8	7.7	57.6	0.0	2.4	5.2	58.9	56.3
Korea	701	54.1	12.0	7.5	4.4	1.1	17.6	2.9	0.4	73.5	0.0	0.1	0.3	71.0	76.0
Kuwait	1058	4.7	5.8	1.6	2.7	1.7	34.4	0.0	49.0	12.2	4.0	25.0	20.0	10.4	13.8
Latvia (LSS)	551	53.7	12.7	3.8	0.5	0.4	14.2	0.7	14.1	70.1	0.0	7.1	7.0	70.6	69.7
Netherlands	632	56.4	20.2	0.1	2.5	0.2	17.4	0.6	2.8	76.7	0.0	1.0	1.7	78.9	75.3
New Zealand	617	32.8	14.8	0.1	7.9	2.2	31.1	0.8	10.4	47.6	0.0	6.1	4.3	45.4	49.8
Norway	567	29.2	16.4	0.1	3.8	2.7	19.5	3.8	24.4	45.8	0.0	12.8	11.6	46.9	45.7
Portugal	721	15.7	4.6	10.0	0.7	1.7	26.7	2.9	37.6	30.3	0.0	16.2	21.3	29.1	31.4
Scotland	827	0.6	18.2	44.7	4.3	1.4	20.6	1.3	8.9	63.5	0.0	6.8	2.1	62.0	64.9
Singapore	1792	23.0	55.8	0.0	1.5	0.9	17.2	0.3	1.3	78.8	0.0	0.5	0.7	80.5	77.3
Slovenia	630	54.7	11.5	1.9	2.0	0.2	11.8	3.4	14.6	68.1	0.0	5.9	8.7	70.5	65.6
Thailand	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
United States	1839	35.9	24.4	0.3	3.6	3.0	29.2	0.3	3.3	60.6	0.0	1.0	2.2	59.2	62.0
INTERNATIONAL AVG	.	36.9	16.4	3.5	4.0	1.8	21.0	1.8	14.5	56.9	0.2	6.6	7.7	55.4	58.3

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: U05
 Write addition fact as a multiplication fact. (Whole Numbers)
 Difficulty: 418

COUNTRY	N	10	11	19	70	71	72	79	90	99	V1	NOT		1.GIRL % Right	2.BOY % Right	
												INVAL ID	REACH ED			
Australia	1625	43.1	27.5	0.2	1.8	1.1	4.7	13.6	0.3	7.6	70.8	0.0	4.9	2.8	72.1	69.6
Austria	648	50.9	31.1	0.2	0.8	0.2	2.2	6.5	0.5	7.6	82.2	0.0	6.3	1.3	87.3	77.2
Canada	2120	42.5	33.0	0.3	2.2	0.8	2.2	12.1	0.8	6.1	75.9	0.0	5.7	0.4	77.2	73.5
Cyprus	843	65.8	17.1	0.0	0.6	0.3	0.9	5.9	0.0	9.3	82.9	0.0	7.6	1.7	84.0	81.8
Czech Republic	804	59.2	23.2	0.1	0.2	0.1	1.1	7.3	0.3	8.4	82.5	0.0	7.3	1.1	84.6	80.3
England	773	36.4	16.4	0.1	2.5	1.5	7.2	24.4	1.0	10.5	52.9	0.0	6.4	4.1	52.3	53.5
Greece	771	51.1	28.2	0.0	1.8	0.8	0.2	8.8	0.0	9.1	79.3	0.0	8.4	0.7	80.0	78.7
Hong Kong	1079	12.9	81.8	0.0	0.6	0.2	0.7	2.4	0.2	1.1	94.8	0.0	0.8	0.3	94.9	94.9
Hungary	755	61.6	17.6	0.5	0.1	0.2	1.6	2.2	0.3	15.9	79.7	0.0	14.0	1.9	77.4	81.8
Iceland	441	48.2	14.9	0.0	1.5	0.4	1.8	10.5	0.1	22.6	63.1	0.0	20.9	1.6	65.6	60.6
Iran, Islamic Rep.	841	45.6	27.7	0.0	1.7	0.2	0.3	8.2	3.0	13.4	73.3	0.0	13.2	0.2	75.8	71.0
Ireland	736	58.7	26.8	0.5	0.4	0.7	1.4	7.7	0.8	3.1	86.0	0.0	2.2	0.8	85.3	86.6
Israel	628	34.1	51.6	0.5	1.6	0.0	0.6	4.0	0.0	7.7	86.2	0.0	7.2	0.5	88.9	85.3
Japan	1082	5.7	86.3	0.2	0.4	0.1	0.1	3.3	0.2	3.8	92.1	0.0	3.4	0.4	91.5	92.7
Korea	701	4.8	88.7	0.0	0.1	1.4	0.0	3.7	0.8	0.4	93.6	0.0	0.4	0.0	93.6	93.5
Kuwait	1061	22.6	19.1	0.6	3.2	1.2	2.1	17.4	0.0	33.6	42.4	1.0	29.9	2.8	45.6	39.4
Latvia (LSS)	551	30.4	50.1	0.2	0.6	0.1	0.5	7.5	0.1	10.4	80.7	0.0	8.1	2.3	84.4	77.1
Netherlands	632	70.2	14.1	0.2	0.4	0.1	2.8	9.8	0.0	2.3	84.6	0.0	2.1	0.2	86.1	83.3
New Zealand	617	38.0	29.1	0.0	1.5	1.9	5.8	14.7	0.8	8.2	67.2	0.0	7.2	1.0	67.2	67.1
Norway	567	35.3	30.0	0.4	1.0	1.0	3.5	9.1	0.8	18.7	65.7	0.0	17.4	1.3	66.5	65.4
Portugal	721	26.5	38.9	0.0	2.1	1.7	1.2	7.6	0.5	21.5	65.4	0.0	20.5	1.0	64.9	65.9
Scotland	827	28.6	37.2	0.0	2.0	1.6	4.8	16.3	0.4	9.0	65.8	0.0	7.9	1.1	68.2	63.6
Singapore	1792	52.0	38.5	0.0	0.3	0.2	1.7	6.0	0.2	1.2	90.4	0.0	1.2	0.1	92.0	89.0
Slovenia	630	63.1	23.4	0.0	0.2	0.0	0.0	0.8	0.0	12.6	86.5	0.0	11.7	0.9	87.7	84.9
Thailand	762	25.3	39.2	0.2	1.4	0.2	0.7	22.5	0.4	10.1	64.7	0.0	8.2	1.9	67.7	61.7
United States	1839	33.9	49.6	0.2	1.5	1.4	1.1	9.0	0.3	3.0	83.7	0.0	2.6	0.5	84.4	82.9
INTERNATIONAL AVG	.	40.3	36.2	0.2	1.2	0.7	1.9	9.3	0.5	9.9	76.6	0.0	8.7	1.2	77.9	75.4

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: V01
 Is 1/3 less than 1/4? Shade appropriate parts of a circle to demonstrate. (Fractions and Proportionality)
 Difficulty: 686

COUNTRY	N	20	10	11	12	13	19	70	71	72	79	90	99	V1	V2	NOT			1.GIRL % Right	2.BOY % Right
																INVAL ID	REACH ED	OMIT		
Australia	1617	24.0	2.8	10.6	8.5	5.6	0.7	3.6	11.5	14.8	13.3	0.9	3.8	52.2	24.0	0.0	1.5	2.3	27.2	21.0
Austria	653	26.8	7.6	13.6	1.7	4.4	0.5	13.6	9.4	12.0	6.2	0.9	3.3	54.5	26.8	0.0	0.3	3.0	26.4	25.8
Canada	2055	19.7	2.4	10.0	6.4	10.6	1.8	5.0	4.3	17.0	19.1	0.9	2.8	50.9	19.7	0.0	1.5	1.3	17.7	20.8
Cyprus	865	20.2	4.9	19.2	9.8	6.5	3.1	1.8	3.2	6.3	18.5	0.6	5.9	63.7	20.2	0.0	1.8	4.1	19.0	21.4
Czech Republic	814	30.9	1.6	8.9	8.0	8.5	0.2	5.5	12.6	9.5	9.0	0.5	4.8	58.1	30.9	0.0	2.9	1.9	29.2	32.7
England	769	20.2	4.9	14.1	7.5	3.9	9.8	4.1	14.0	6.8	7.5	4.1	3.1	60.4	20.2	0.0	1.6	1.5	17.0	23.4
Greece	756	13.6	5.7	16.4	16.2	4.9	0.3	6.6	2.6	10.7	11.2	1.3	10.4	57.2	13.6	0.0	1.7	8.7	14.6	12.6
Hong Kong	1106	47.1	2.5	14.2	2.1	12.9	3.6	1.1	0.3	7.8	4.9	2.2	1.4	82.3	47.1	0.0	0.2	1.2	44.1	50.0
Hungary	741	33.3	1.4	11.3	9.4	6.7	9.4	2.2	10.0	3.7	5.4	0.6	6.7	71.4	33.3	0.0	5.1	1.6	34.6	32.4
Iceland	444	22.1	7.5	5.9	11.5	9.5	3.0	7.6	3.3	5.0	14.7	0.5	9.4	59.5	22.1	0.0	8.0	1.4	18.8	25.3
Iran, Islamic Rep.	838	3.5	3.4	3.7	3.2	3.7	17.8	8.6	0.8	5.0	18.1	4.7	27.5	35.3	3.5	0.0	4.1	23.5	4.8	2.3
Ireland	711	30.2	4.5	19.5	8.4	3.2	0.3	4.9	10.1	10.0	5.6	2.0	1.4	66.0	30.2	0.0	0.6	0.8	28.8	31.5
Israel	581	39.0	5.2	5.9	3.4	16.7	1.2	4.5	5.6	5.5	7.8	1.0	4.2	71.4	39.0	0.0	2.1	2.1	41.7	34.7
Japan	1076	41.4	3.6	16.6	8.5	8.8	0.8	3.2	2.6	8.4	4.2	0.4	1.4	79.8	41.4	0.0	0.5	0.9	44.6	38.2
Korea	691	41.2	2.3	8.5	4.8	14.0	4.3	2.1	4.2	8.7	9.6	0.1	0.2	75.1	41.2	0.0	0.2	0.0	40.9	41.5
Kuwait	1084	6.1	8.1	9.7	8.3	3.4	2.8	7.6	8.6	4.2	13.4	0.0	27.7	38.4	6.1	2.4	6.9	18.4	5.3	6.9
Latvia (LSS)	550	23.7	12.3	14.0	6.6	5.2	2.3	5.5	1.4	9.6	11.2	1.9	6.4	64.1	23.7	0.0	2.9	3.5	22.9	24.4
Netherlands	642	56.0	0.8	6.8	4.5	11.7	0.0	1.0	6.3	7.5	4.4	0.5	0.7	79.7	56.0	0.0	0.0	0.7	54.8	57.8
New Zealand	618	16.1	2.7	11.6	10.9	5.2	0.4	5.4	24.1	6.3	10.2	1.3	5.7	46.9	16.1	0.0	2.7	3.1	13.5	18.7
Norway	572	16.4	11.7	7.0	3.7	6.8	1.5	17.3	4.7	10.8	7.5	2.3	10.3	47.1	16.4	0.0	5.7	4.6	16.4	16.7
Portugal	707	5.5	14.6	3.9	7.1	1.9	0.7	22.5	3.9	9.1	13.2	1.3	16.3	33.7	5.5	0.0	6.9	9.4	5.3	5.8
Scotland	828	20.0	4.4	14.9	8.9	5.0	1.6	4.9	10.3	11.7	13.5	0.7	4.0	54.9	20.0	0.0	1.3	2.7	20.6	19.6
Singapore	1772	58.3	4.0	6.6	1.0	14.6	0.2	2.6	0.6	4.2	6.2	1.2	0.5	84.7	58.3	0.0	0.1	0.4	61.6	55.4
Slovenia	631	25.8	17.1	10.2	4.5	3.5	1.0	19.0	6.0	3.5	6.5	0.8	2.2	62.0	25.8	0.0	0.7	1.6	29.8	21.7
Thailand	705	13.5	17.9	9.9	4.2	9.4	0.2	19.2	0.3	10.3	6.5	3.2	5.4	55.1	13.5	0.0	0.5	4.9	13.9	13.1
United States	1837	27.4	2.9	9.7	9.6	8.0	0.8	5.7	11.6	11.8	10.9	0.4	1.1	58.4	27.4	0.0	0.2	0.9	27.4	27.4
INTERNATIONAL AVG	.	26.2	6.0	10.9	6.9	7.5	2.6	7.1	6.6	8.5	9.9	1.3	6.4	60.1	26.2	0.1	2.3	4.0	26.2	26.2

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: V02
 Write the number that is 1000 more than 56,821. (Whole Numbers)
 Difficulty: 603

COUNTRY	N	10	70	71	79	90	99	V1	INVAL ID	NOT REACH ED	OMIT	1.GIRL	2.BOY
												% Right	% Right
Australia	1617	51.0	16.4	6.9	15.2	1.2	9.3	51.0	0.0	2.0	7.3	45.0	57.0
Austria	653	59.0	10.4	2.2	9.4	7.7	11.3	59.0	0.0	1.1	10.3	50.8	65.5
Canada	2055	47.3	11.4	5.1	27.1	2.7	6.4	47.3	0.0	2.1	4.3	42.4	50.2
Cyprus	873	44.7	5.0	1.5	26.5	0.1	22.2	44.7	0.0	2.4	19.9	41.6	47.9
Czech Republic	813	70.0	6.1	1.6	14.6	0.6	7.1	70.0	0.0	3.6	3.5	65.1	75.6
England	769	35.6	15.6	6.4	26.5	4.0	11.9	35.6	0.0	2.0	10.0	29.1	42.3
Greece	756	41.0	7.0	1.8	19.1	1.1	30.0	41.0	0.0	2.7	27.3	35.3	46.9
Hong Kong	1106	60.0	11.0	3.0	21.8	1.4	2.8	60.0	0.0	0.6	2.2	57.9	61.7
Hungary	741	53.5	20.3	2.3	13.0	1.7	9.3	53.5	0.0	6.3	3.0	50.5	57.0
Iceland	444	27.3	15.9	2.8	31.4	3.3	19.3	27.3	0.0	8.1	11.2	20.1	34.4
Iran, Islamic Rep.	838	17.8	9.6	0.9	32.3	2.0	37.4	17.8	0.0	7.4	29.9	17.6	18.0
Ireland	711	53.4	14.0	4.0	20.2	3.2	5.2	53.4	0.0	0.7	4.5	51.7	55.1
Israel	581	35.8	15.7	8.2	29.8	0.4	10.2	35.8	0.0	2.2	8.0	32.9	38.7
Japan	1076	74.8	5.6	5.4	11.7	0.2	2.4	74.8	0.0	0.8	1.6	69.0	80.6
Korea	691	85.1	1.9	1.2	11.3	0.4	0.2	85.1	0.0	0.2	0.0	81.5	88.6
Kuwait	1082	12.6	6.4	5.5	35.1	0.0	40.3	12.6	2.4	14.1	23.7	12.7	12.5
Latvia (LSS)	550	49.8	4.5	2.1	30.3	1.1	12.2	49.8	0.0	3.8	8.4	48.8	50.8
Netherlands	642	55.4	11.1	1.4	26.7	2.7	2.7	55.4	0.0	0.5	2.3	53.5	57.2
New Zealand	618	32.5	18.5	9.6	27.8	1.3	10.3	32.5	0.0	3.9	6.4	25.2	39.8
Norway	572	44.9	15.7	7.0	13.6	2.0	16.8	44.9	0.0	8.1	8.6	35.8	54.2
Portugal	707	31.6	5.7	3.3	32.4	0.4	26.5	31.6	0.0	9.5	17.0	28.6	34.5
Scotland	828	34.7	20.1	6.4	25.9	2.1	10.8	34.7	0.0	3.2	7.6	31.0	38.6
Singapore	1772	82.6	3.2	0.2	13.3	0.2	0.4	82.6	0.0	0.3	0.2	82.9	82.4
Slovenia	631	70.2	6.4	2.0	13.3	1.7	6.4	70.2	0.0	1.2	5.1	69.4	70.7
Thailand	705	32.0	7.6	8.4	44.7	2.4	4.9	32.0	0.0	1.8	3.1	32.0	32.0
United States	1837	57.8	6.5	6.2	26.0	1.1	2.5	57.8	0.0	0.7	1.8	54.3	61.4
INTERNATIONAL AVG	.	48.5	10.4	4.1	23.0	1.7	12.3	48.5	0.1	3.4	8.7	44.8	52.1

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: V03
 What is 5 less than 203? (Whole Numbers)
 Difficulty: 519

COUNTRY	N	10	70	71	72	79	90	99	V1	NOT		OMIT	1.GIRL % Right	2.BOY % Right
										INVAL ID	REACH ED			
Australia	1617	71.1	3.0	0.2	0.3	17.7	1.3	6.5	71.1	0.0	3.2	3.3	66.9	75.3
Austria	653	83.5	1.8	0.3	0.6	7.4	1.3	5.0	83.5	0.0	2.3	2.7	82.9	83.9
Canada	2055	60.4	1.9	0.7	1.3	28.1	2.2	5.4	60.4	0.0	3.0	2.4	60.1	62.8
Cyprus	874	56.6	0.5	0.4	1.2	21.7	0.1	19.5	56.6	0.0	5.3	14.2	51.5	61.3
Czech Republic	814	76.8	0.6	0.0	1.5	13.5	0.1	7.4	76.8	0.0	4.7	2.6	74.3	79.6
England	769	61.5	2.6	0.4	0.5	24.5	2.9	7.6	61.5	0.0	3.6	4.0	57.0	66.1
Greece	756	47.9	0.6	1.3	1.4	18.9	1.2	28.6	47.9	0.0	5.2	23.4	44.0	52.1
Hong Kong	1106	74.5	1.2	2.7	1.6	15.5	1.9	2.6	74.5	0.0	0.9	1.8	72.6	76.1
Hungary	741	78.2	0.8	0.0	2.5	8.2	0.9	9.5	78.2	0.0	7.5	2.0	76.2	80.7
Iceland	444	50.0	3.5	0.7	0.2	25.4	1.2	19.0	50.0	0.0	13.0	5.9	45.3	54.6
Iran, Islamic Rep.	838	32.5	0.5	0.1	1.0	33.7	1.0	31.1	32.5	0.0	9.2	22.0	31.0	34.0
Ireland	711	75.2	1.9	0.3	0.6	16.1	2.4	3.6	75.2	0.0	0.9	2.8	74.8	75.6
Israel	581	55.7	1.4	5.2	2.2	24.8	0.5	10.2	55.7	0.0	4.5	5.7	53.0	58.7
Japan	1076	80.6	1.9	0.1	3.1	11.5	0.2	2.6	80.6	0.0	1.3	1.3	76.0	85.3
Korea	691	89.2	0.8	0.3	1.0	7.9	0.6	0.2	89.2	0.0	0.2	0.0	86.2	92.3
Kuwait	1082	10.4	1.1	3.9	2.5	38.0	0.0	44.0	10.4	2.2	20.4	21.4	9.1	11.7
Latvia (LSS)	550	59.5	1.0	0.1	1.1	23.8	0.3	14.2	59.5	0.0	5.9	8.3	59.4	59.5
Netherlands	642	66.8	1.0	1.3	0.6	24.3	2.2	3.7	66.8	0.0	0.5	3.3	63.6	69.7
New Zealand	618	51.1	2.9	0.9	0.5	33.9	0.7	10.0	51.1	0.0	4.9	5.0	44.0	58.1
Norway	572	63.5	2.3	0.6	0.5	16.9	0.9	15.3	63.5	0.0	11.8	3.4	59.0	68.1
Portugal	707	34.1	0.9	2.9	1.7	31.8	0.3	28.2	34.1	0.0	12.9	15.3	30.9	37.0
Scotland	828	67.1	1.8	0.3	0.1	22.1	1.1	7.4	67.1	0.0	5.1	2.3	64.3	69.9
Singapore	1772	81.8	1.1	0.1	6.7	9.6	0.2	0.5	81.8	0.0	0.3	0.2	81.6	81.9
Slovenia	631	78.9	2.0	0.0	0.2	11.2	1.3	6.4	78.9	0.0	2.6	3.8	80.7	77.2
Thailand	705	39.2	0.0	3.1	5.2	44.2	2.7	5.6	39.2	0.0	2.4	3.2	41.6	36.1
United States	1837	63.6	1.7	0.2	1.4	30.7	0.2	2.2	63.6	0.0	1.1	1.0	60.2	67.1
INTERNATIONAL AVG	.	61.9	1.5	1.0	1.5	21.6	1.1	11.4	61.9	0.1	5.1	6.2	59.5	64.4

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: V04A
 Arrange 4 digits as addition of 2 2-digit numbers. Which sum is greater? How do you know? (Whole Numbers)
 Difficulty: 698

COUNTRY	N	20	10	11	12	13	19	70	71	79	90	99	V1	V2	NOT			1.GIRL % Right	2.BOY % Right
															INVAL ID	REACH ED	OMIT		
Australia	1617	21.7	2.3	3.2	12.3	1.1	40.9	3.0	7.4	2.7	0.2	5.3	81.4	21.7	0.0	3.4	1.9	25.1	18.5
Austria	653	23.1	0.9	4.2	23.3	4.7	19.8	4.8	6.4	5.7	1.3	5.8	76.0	23.1	0.0	2.4	3.4	24.8	22.1
Canada	2055	37.6	1.3	1.9	10.1	2.8	28.4	2.6	6.5	4.1	0.7	4.1	82.0	37.6	0.0	3.2	1.0	40.7	36.1
Cyprus	761	27.2	1.8	2.6	4.0	4.6	22.2	8.4	6.9	4.2	0.8	17.4	62.3	27.2	0.0	7.2	10.2	32.8	22.0
Czech Republic	814	21.5	4.5	6.4	7.7	8.1	14.5	14.5	5.5	9.4	0.2	7.7	62.7	21.5	0.0	5.2	2.5	22.8	20.1
England	769	10.6	1.6	1.9	12.5	6.4	42.4	4.2	8.4	3.5	1.8	6.5	75.6	10.6	0.0	4.0	2.5	11.5	9.7
Greece	756	27.4	2.5	5.2	20.0	5.2	14.6	4.7	6.6	4.7	0.7	8.5	74.8	27.4	0.0	5.3	3.2	32.0	22.5
Hong Kong	1107	20.5	3.0	1.9	14.5	13.1	38.7	0.4	2.9	2.1	1.0	1.9	91.8	20.5	0.0	0.9	1.0	23.9	17.6
Hungary	741	41.4	1.1	4.7	5.0	3.3	25.6	3.0	2.6	2.3	0.8	10.1	81.2	41.4	0.0	8.0	2.1	43.7	39.6
Iceland	444	20.6	3.1	7.8	8.2	0.9	26.5	1.0	5.0	9.6	0.1	17.1	67.2	20.6	0.0	14.3	2.8	21.5	19.8
Iran, Islamic Rep.	838	16.8	2.1	14.5	9.2	9.6	7.3	1.2	8.6	11.1	2.5	17.1	59.5	16.8	0.0	9.6	7.5	19.2	14.6
Ireland	711	19.5	3.5	1.5	20.3	0.9	32.3	8.1	6.9	3.4	0.8	2.7	78.1	19.5	0.0	1.0	1.7	20.8	18.3
Israel	581	41.0	8.6	5.9	11.7	3.2	12.7	1.8	3.8	5.1	0.6	5.7	83.0	41.0	0.0	4.7	1.0	46.3	33.6
Japan	1076	36.1	2.5	0.8	34.6	0.1	21.0	0.1	2.0	0.5	0.4	1.9	95.1	36.1	0.0	1.4	0.6	36.2	35.9
Korea	691	62.6	16.0	1.7	3.1	0.3	13.9	0.1	1.0	0.6	0.4	0.2	97.7	62.6	0.0	0.2	0.0	62.6	62.5
Kuwait	1078	1.1	5.1	1.1	0.4	0.3	3.2	12.6	10.2	19.6	0.0	46.4	11.3	1.1	2.8	22.3	21.3	1.3	1.0
Latvia (LSS)	550	11.1	15.6	10.0	16.6	5.4	6.0	3.8	5.2	14.4	0.9	11.1	64.7	11.1	0.0	7.6	3.4	11.2	11.0
Netherlands	642	22.3	2.8	1.9	10.9	1.7	34.5	5.0	7.9	11.3	0.3	1.5	74.1	22.3	0.0	0.9	0.6	25.7	18.5
New Zealand	618	12.5	1.9	3.9	18.1	5.3	29.6	6.8	8.9	2.6	1.0	9.4	71.4	12.5	0.0	6.0	3.3	13.1	12.0
Norway	572	5.7	5.7	4.6	7.2	1.5	37.4	4.2	10.8	6.7	1.9	14.4	62.1	5.7	0.0	12.1	2.2	7.2	4.6
Portugal	707	32.4	3.7	4.1	14.1	1.7	16.9	1.0	5.5	2.6	0.7	17.3	72.9	32.4	0.0	14.1	3.2	34.1	30.6
Scotland	828	12.1	3.5	2.0	12.9	3.0	41.7	1.9	8.9	5.4	0.8	7.7	75.2	12.1	0.0	5.3	2.4	15.3	8.9
Singapore	1772	29.0	3.8	0.8	32.7	1.0	25.4	0.8	2.0	3.3	0.4	0.8	92.7	29.0	0.0	0.4	0.4	33.6	25.0
Slovenia	631	45.5	2.9	7.4	12.9	1.6	8.9	4.6	5.3	6.1	0.9	3.9	79.2	45.5	0.0	3.1	0.8	53.8	38.0
Thailand	705	0.1	2.2	2.7	0.0	0.6	63.4	3.3	9.5	9.5	2.3	6.4	69.0	0.1	0.0	3.1	3.4	0.2	0.0
United States	1837	23.0	3.9	0.4	23.0	0.8	33.3	0.9	7.5	5.1	0.3	1.8	84.4	23.0	0.0	1.3	0.5	27.7	18.1
INTERNATIONAL AVG	.	23.9	4.1	4.0	13.3	3.4	25.4	4.0	6.2	6.0	0.8	9.0	74.1	23.9	0.1	5.6	3.2	26.4	21.6

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: V04B

Arrange 4 digits as addition of 2 2-digit numbers. Find arrangement with sum greater than either of above. (Whole Numbers)

Difficulty: 590

COUNTRY	N	10	70	71	72	79	90	99	V1	NOT		OMIT	1.GIRL % Right	2.BOY % Right
										INVAL ID	REACH ED			
Australia	1617	54.5	18.0	6.5	10.4	1.7	0.1	8.7	54.5	0.0	4.6	4.2	56.9	52.2
Austria	653	52.7	11.6	8.7	12.4	0.7	1.5	12.5	52.7	0.0	4.1	8.4	53.4	51.2
Canada	2055	54.6	15.5	7.4	13.3	3.1	0.5	5.6	54.6	0.0	3.6	1.9	53.9	55.5
Cyprus	762	33.7	13.1	5.5	11.3	13.3	0.1	23.1	33.7	0.0	13.4	9.7	33.0	34.3
Czech Republic	814	43.1	19.0	8.2	10.6	4.2	0.7	14.2	43.1	0.0	7.1	7.1	44.4	41.7
England	769	50.2	22.3	6.5	9.1	1.6	0.9	9.4	50.2	0.0	4.8	4.6	52.6	47.8
Greece	756	45.6	12.4	8.8	12.0	6.1	0.6	14.6	45.6	0.0	7.0	7.6	49.5	41.4
Hong Kong	1106	81.7	5.5	4.2	3.8	2.2	0.1	2.5	81.7	0.0	1.3	1.2	80.1	83.3
Hungary	741	59.5	9.3	8.8	8.2	0.0	0.5	13.7	59.5	0.0	9.8	3.9	61.4	58.4
Iceland	444	35.3	10.9	11.8	9.2	11.0	0.5	21.3	35.3	0.0	16.8	4.5	37.9	32.8
Iran, Islamic Rep.	838	17.8	15.0	5.1	6.6	32.8	0.9	21.7	17.8	0.0	12.4	9.3	14.5	20.8
Ireland	711	45.8	21.3	10.8	13.8	2.1	0.7	5.4	45.8	0.0	2.1	3.3	45.8	45.9
Israel	581	53.2	12.1	8.2	6.9	8.8	0.6	10.2	53.2	0.0	5.4	4.8	57.2	50.6
Japan	1076	81.2	3.8	6.2	5.5	0.4	0.2	2.7	81.2	0.0	1.8	0.9	80.8	81.6
Korea	691	65.6	14.4	6.9	3.0	8.5	1.4	0.2	65.6	0.0	0.2	0.0	63.5	67.7
Kuwait	852	4.6	14.2	7.0	4.0	22.4	0.0	47.8	4.6	3.0	33.3	11.5	5.7	3.6
Latvia (LSS)	550	39.2	12.6	4.4	8.4	16.7	1.1	17.5	39.2	0.0	9.0	8.5	44.3	34.5
Netherlands	642	61.8	24.0	4.3	4.4	1.2	0.6	3.8	61.8	0.0	1.2	2.6	63.6	59.1
New Zealand	618	41.8	24.3	6.4	13.6	1.0	0.0	12.9	41.8	0.0	7.8	5.1	39.5	44.1
Norway	572	40.7	16.6	8.1	11.0	0.9	2.3	20.3	40.7	0.0	13.4	6.9	42.7	38.3
Portugal	707	29.0	12.5	9.3	10.9	10.7	1.0	26.7	29.0	0.0	16.2	10.5	27.8	30.2
Scotland	828	48.3	18.8	8.3	10.7	3.1	0.7	10.1	48.3	0.0	6.7	3.4	52.2	44.4
Singapore	1772	70.5	8.0	5.6	12.9	2.0	0.2	1.0	70.5	0.0	0.7	0.3	73.0	68.3
Slovenia	631	57.3	6.4	12.0	12.0	5.3	0.6	6.4	57.3	0.0	3.8	2.6	63.3	51.6
Thailand	705	17.8	35.8	5.3	23.0	1.2	0.1	16.8	17.8	0.0	3.8	13.0	20.7	14.3
United States	1837	56.7	13.7	9.2	15.6	0.9	0.4	3.6	56.7	0.0	1.6	2.0	55.7	57.7
INTERNATIONAL AVG	.	47.8	15.0	7.4	10.1	6.2	0.6	12.8	47.8	0.1	7.4	5.3	49.0	46.6

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: V05
 How many millimeters are in a meter? (Measurement, Estimation, & Number Sense)
 Difficulty: 585

COUNTRY	N	10	11	70	71	72	73	79	90	99	V1	NOT		1.GIRL % Right	2.BOY % Right	
												INVAL ID	REACH ED			
Australia	1617	56.2	0.5	2.5	0.8	13.4	1.9	14.2	0.6	9.8	56.7	0.0	6.6	3.2	52.4	60.8
Austria	652	67.5	0.0	2.7	0.0	11.7	3.9	3.7	1.6	8.9	67.5	0.0	6.7	2.2	67.8	66.4
Canada	2055	40.4	0.8	4.6	0.8	20.8	1.7	21.8	0.6	8.5	41.2	0.0	4.7	3.9	35.9	48.2
Cyprus	762	36.3	4.3	1.8	0.0	21.6	0.2	13.8	0.5	21.4	40.6	0.0	17.0	4.4	43.9	37.2
Czech Republic	814	71.6	0.3	1.3	0.2	6.3	3.1	3.1	0.4	13.8	71.8	0.0	10.5	3.3	68.9	75.2
England	769	43.1	0.4	4.7	1.3	19.0	0.7	19.6	1.2	9.9	43.5	0.0	6.7	3.2	37.6	49.7
Greece	756	46.3	6.4	3.0	0.0	11.4	1.0	9.0	0.7	22.2	52.7	0.0	11.7	10.5	51.3	54.2
Hong Kong	1107	72.1	0.3	4.7	0.0	14.6	2.1	3.8	0.3	2.1	72.5	0.0	1.5	0.5	71.8	73.1
Hungary	740	67.3	0.1	3.1	0.1	9.6	1.6	2.3	0.2	15.6	67.5	0.0	13.0	2.6	66.5	69.0
Iceland	444	27.7	0.9	4.3	1.4	21.0	0.1	17.7	2.9	23.9	28.6	0.0	19.0	4.9	23.2	33.9
Iran, Islamic Rep.	836	36.1	2.0	8.9	0.6	14.8	0.4	9.6	0.9	26.7	38.1	0.0	17.1	9.6	35.1	40.8
Ireland	711	45.9	0.1	3.6	0.6	25.3	0.7	16.6	0.5	6.6	46.0	0.0	3.7	2.9	42.4	49.5
Israel	580	41.5	0.0	10.5	0.6	16.0	3.3	12.6	0.4	15.0	41.5	0.0	8.2	6.9	36.2	47.4
Japan	1076	61.8	0.1	2.5	0.3	18.4	8.8	3.7	0.2	4.2	61.9	0.0	2.7	1.5	56.9	67.0
Korea	691	52.0	0.0	12.4	0.2	19.1	9.7	5.1	1.4	0.2	52.0	0.0	0.2	0.0	46.7	57.1
Kuwait	1076	16.6	0.0	4.3	0.1	9.4	1.4	22.1	0.0	46.1	16.6	1.6	27.7	16.8	17.3	15.9
Latvia (LSS)	550	65.0	0.0	0.8	0.2	7.7	6.4	5.8	0.4	13.7	65.0	0.0	11.6	2.2	66.4	63.7
Netherlands	642	56.6	0.3	6.4	0.3	22.4	2.8	8.0	0.0	3.2	56.9	0.0	2.3	0.8	48.8	65.4
New Zealand	618	42.1	0.5	3.0	0.6	12.7	2.0	24.5	0.2	14.3	42.6	0.0	11.2	3.1	41.2	44.0
Norway	572	43.2	0.0	5.1	1.9	14.7	2.5	7.9	2.9	21.8	43.2	0.0	17.1	4.7	37.5	47.7
Portugal	707	47.5	6.8	2.3	0.0	3.1	0.6	11.9	0.4	27.5	54.2	0.0	21.3	6.2	54.7	53.9
Scotland	828	36.6	0.2	2.4	0.9	22.9	0.9	22.4	0.7	12.9	36.9	0.0	8.5	4.5	39.6	34.1
Singapore	1772	43.2	0.0	3.3	0.1	30.8	3.2	17.2	0.3	1.7	43.3	0.0	0.9	0.8	44.0	42.6
Slovenia	631	69.5	0.4	2.3	0.6	8.2	5.0	4.9	1.3	7.8	69.9	0.0	5.3	2.5	70.0	70.2
Thailand	705	34.4	0.0	16.1	1.0	12.4	2.9	23.5	1.6	7.9	34.4	0.0	5.5	2.4	33.2	36.0
United States	1837	21.4	0.1	6.4	1.7	18.3	0.3	41.9	1.8	8.1	21.5	0.0	3.0	5.2	19.0	24.1
INTERNATIONAL AVG	.	47.8	1.0	4.7	0.6	15.6	2.6	13.3	0.9	13.6	48.7	0.1	9.4	4.2	46.5	51.0

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