A C

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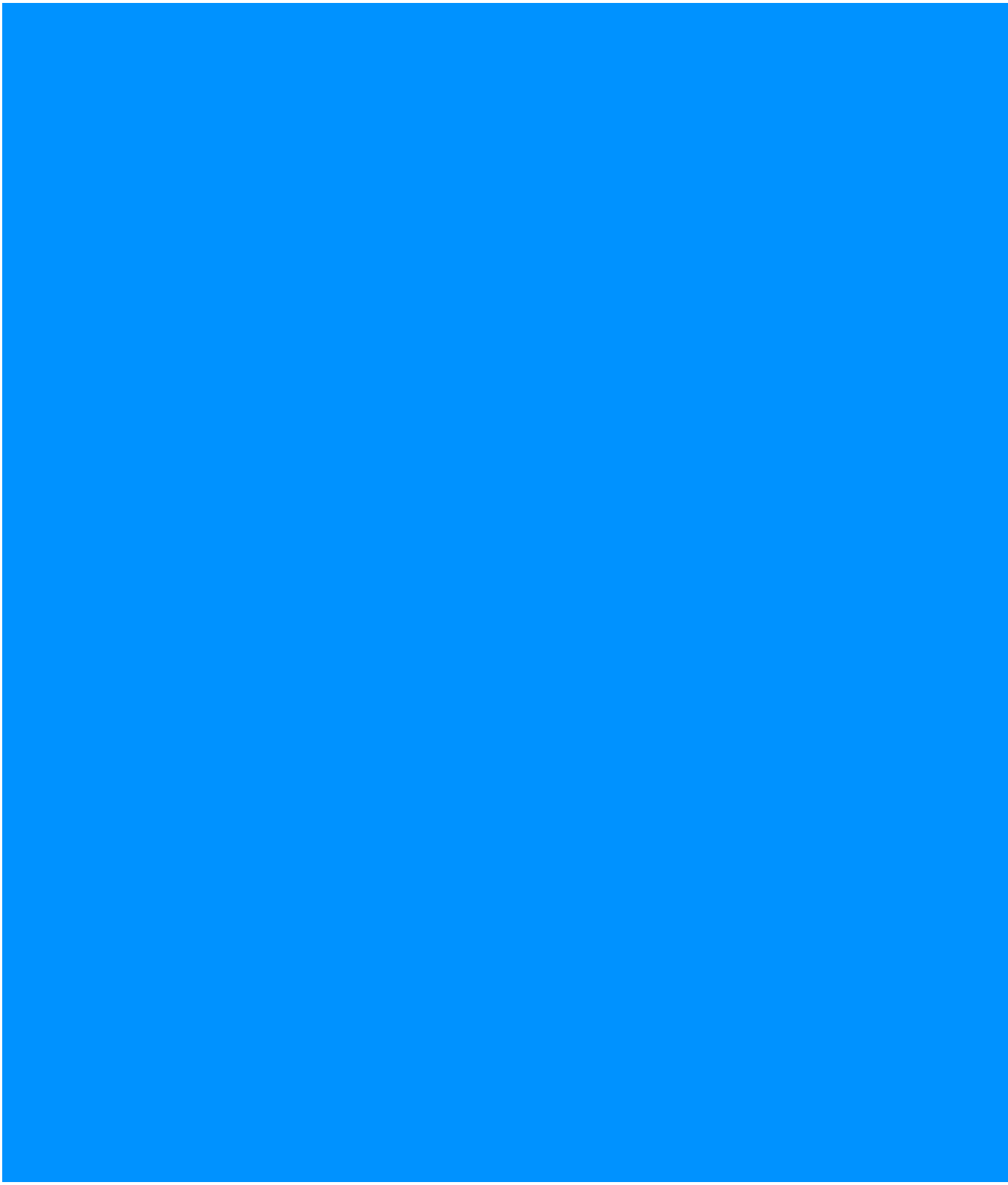
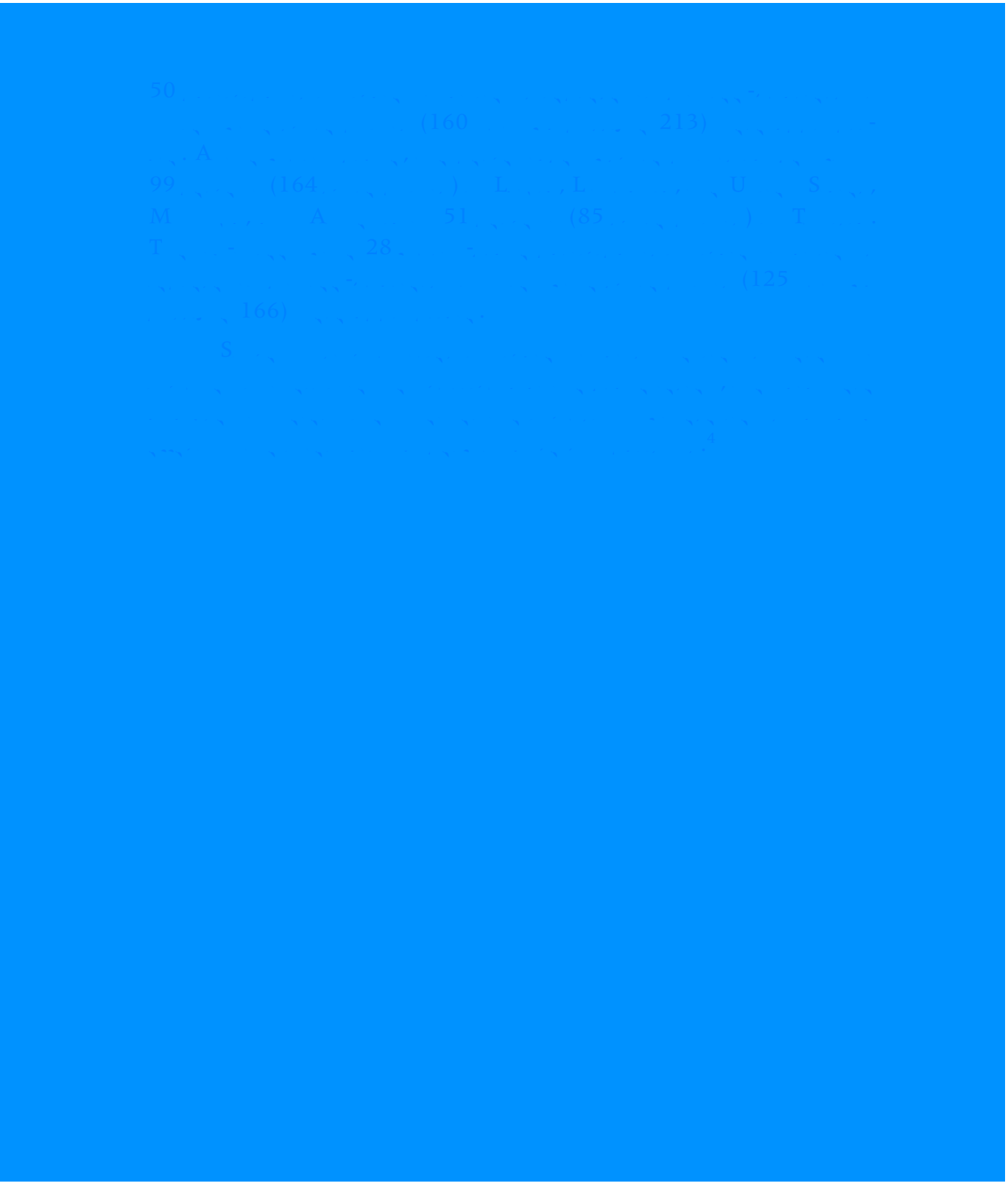
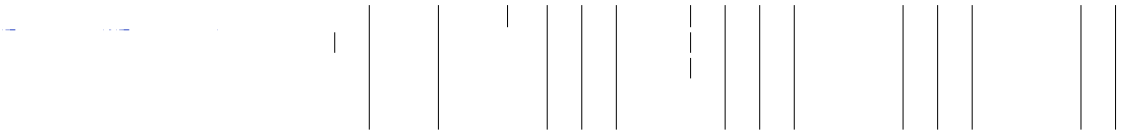
A : M

T TIMSS (A 12 T 0 R)TJT0 A 0.0272 TCC74





50 (160 213) A 99 (164) L L U S M A 51 (85) T T 28 (125 166) S 4



MATHEMATICS
Grade

SOURCE: IEA's Trends in International Mathematics and Science Study (TIMSS) 2003

MATHEMATICS Grade 4

Based on Subset of Items Specially Identified by Each Country as Addressing its Curriculum
(See Exhibit C.2 for corresponding standard errors)

Instructions: Read **ac** the row to compare that country's performance based on the test items included by each of the countries across the top. Read **l** the column under a country name to compare the performance of the country down the left on the items included by the country listed on the top. Read along the **a l a.** to compare performance for each different country based on its own decisions about the test items to include.

C																										
74 (1.2)	74	74	73	76	75	76	73	73	73	77	73	73	74	73	76	73	75	73	73	75	73	75	78	74	78	75	76	73
70 (0.7)	70	69	70	72	71	73	70	70	69	74	69	70	70	70	74	70	71	69	70	71	70	71	73	70	74	71	72	70
69 (0.4)	68	69	70	73	70	71	69	69	68	73	69	69	69	69	72	69	70	68	69	70	69	70	69	69	72	69	72	69
69 (0.5)	68	68	69	73	70	72	69	69	68	73	68	69	69	69	72	69	70	68	69	70	69	70	72	69	73	70	71	69
65 (0.4)	65	65	65	69	67	68	65	65	65	70	65	65	66	65	69	66	67	65	65	67	65	67	67	66	69	66	68	65
62 (0.5)	62	61	62	66	64	66	62	62	61	67	62	62	62	62	66	63	64	62	62	64	62	63	62	62	65	63	65	62
62 (0.6)	62	62	62	64	63	65	61	61	61	69	62	61	62	61	65	62	64	61	63	64	61	63	66	63	67	63	65	62
61 (0.7)	61	62	63	65	63	65	61	61	61	69	62	61	62	61	64	62	64	61	63	64	61	64	65	62	68	63	64	62
61 (0.8)	61	60	61	63	62	63	61	61	60	63	61	61	60	61	64	62	63	61	61	62	61	61	61	61	62	61	64	60
60 (1.0)	60	60	61	64	61	63	60	60	60	70	61	60	60	60	64	60	62	60	62	62	60	63	66	62	67	62	63	61
60 (0.7)	60	61	61	63	62	63	60	60	60	67	61	60	60	60	64	61	63	60	62	62	60	63	64	61	67	61	63	60
58 (0.6)	58	57	58	61	60	60	58	58	57	62	58	58	58	58	62	58	61	58	58	59	58	60	60	58	61	59	61	58
57 (0.5)	58	58	58	61	59	60	57	57	57	63	57	57	57	57	61	58	60	57	58	59	57	59	61	57	62	59	60	57
54 (1.0)	55	55	55	58	56	57	54	54	54	63	54	54	55	54	58	55	57	53	55	56	54	57	60	55	61	56	57	54
54 (0.8)	54	54	54	58	56	56	54	54	54	59	54	54	54	54	59	55	56	53	55	56	54	57	57	55	58	55	57	54
53 (0.9)	53	52	53	56	54	55	53	53	53	57	53	53	52	53	57	54	56	53	54	55	53	54	54	53	55	53	57	53
52 (0.5)	52	51	52	54	53	54	52	52	51	55	52	52	51	52	55	53	55	52	53	53	52	53	53	52	53	52	55	51
51 (0.8)	51	51	52	54	53	54	51	51	51	55	51	51	51	51	55	52	54	52	52	53	51	53	52	52	54	52	55	51
48 (0.5)	48	48	49	51	49	51	48	48	48	55	49	48	48	48	52	49	51	49	50	50	48	51	50	49	53	49	51	49
43 (0.5)	43	43	44	46	45	46	44	44	43	48	44	44	43	44	47	44	46	44	44	45	44	45	44	44	46	44	46	44
42 (0.7)	43	43	43	46	44	44	42	42	42	51	42	42	43	42	45	42	43	41	43	44	42	45	49	43	50	44	43	42
32 (0.6)	32	33	32	35	33	34	32	32	31	37	31	32	31	32	35	32	34	31	32	32	32	35	37	32	37	32	33	32
29 (1.4)	29	28	28	31	30	30	29	29	28	32	28	29	29	29	32	29	30	27	28	29	29	30	30	29	31	29	30	28
25 (0.7)	25	25	25	27	26	26	25	25	24	29	24	25	25	25	27	25	26	24	25	25	25	26	26	25	29	25	26	25
24 (0.7)	24	25	24	27	25	26	24	24	24	30	24	24	24	24	26	24	25	23	24	25	24	25	28	25	30	25	25	24
53 (0.2)	53	53	54	57	55	56	53	53	53	59	53	53	53	53	57	54	56	53	54	55	53	55	56	54	58	54	56	53
B tc																												
61 (0.7)	61	61	61	65	63	63	61	61	60	65	61	61	61	61	65	61	64	61	61	62	61	63	64	61	64	62	64	61
56 (0.9)	56	55	56	60	58	59	57	57	56	59	57	57	56	57	60	58	60	57	57	58	57	58	57	57	58	57	60	57
55 (0.6)	55	55	56	59	57	58	55	55	55	60	55	55	55	55	59	56	58	56	56	57	55	58	57	56	59	56	58	56
166	151	116	131	117	144	138	164	164	161	95	160	164	159	164	138	157	138	139	145	150	164	135	91	152	85	149	136	143

SOURCE: IEA's Trends in International Mathematics and Science Study (TIMSS) 2003

* O 161 M 169 F 159 166

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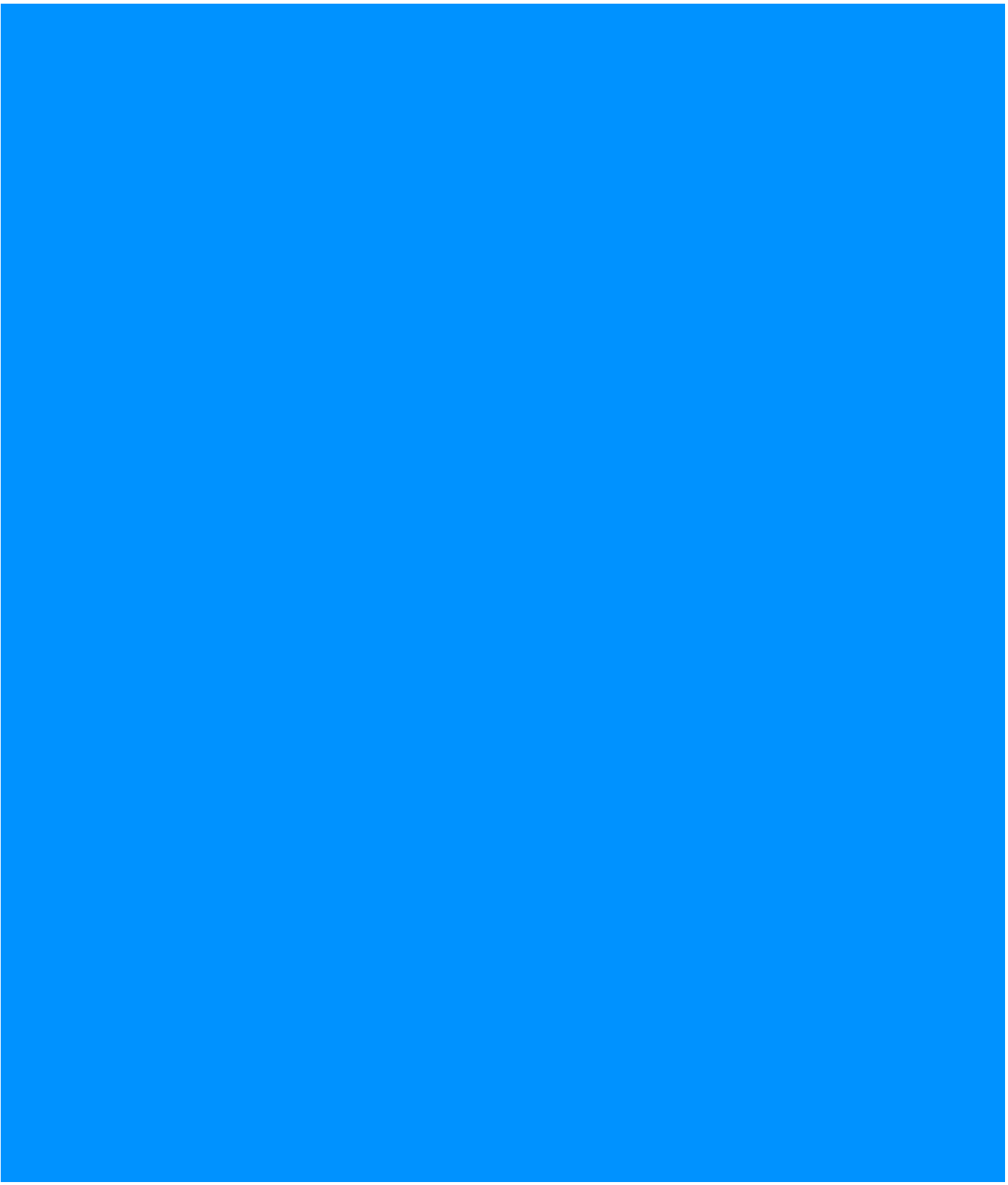


MATHEMATICS Grade 8

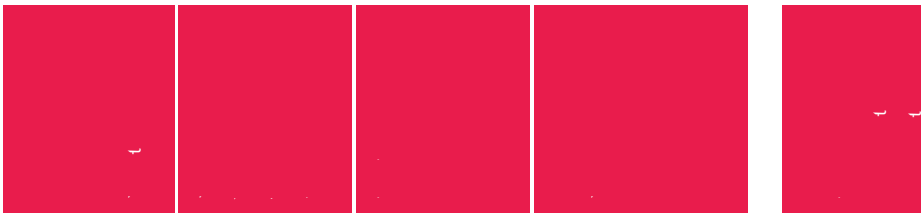
Instructions: Read **ac** the row to compare that country's performance based on the test items included by each of the countries across the top. Read **l** the column under a country name to compare the performance of the country down the left on the items included by the country listed on the top. Read along the **a l a.** to compare performance for each different country based on its own decisions about the test items to include.

C

SOURCE: IEA's Trends in International Mathematics and Science Study (TIMSS) 2003

MATHEMATICS
Grade

Instructions: Read **ac** the row to compare that country's performance based on the test items included by each of the countries across the top. Read **l** the column under a country name to compare the performance of the country down the left on the items included by the country listed on the top. Read along the **a l a.** to compare performance for each different country based on its own decisions about the test items to include.



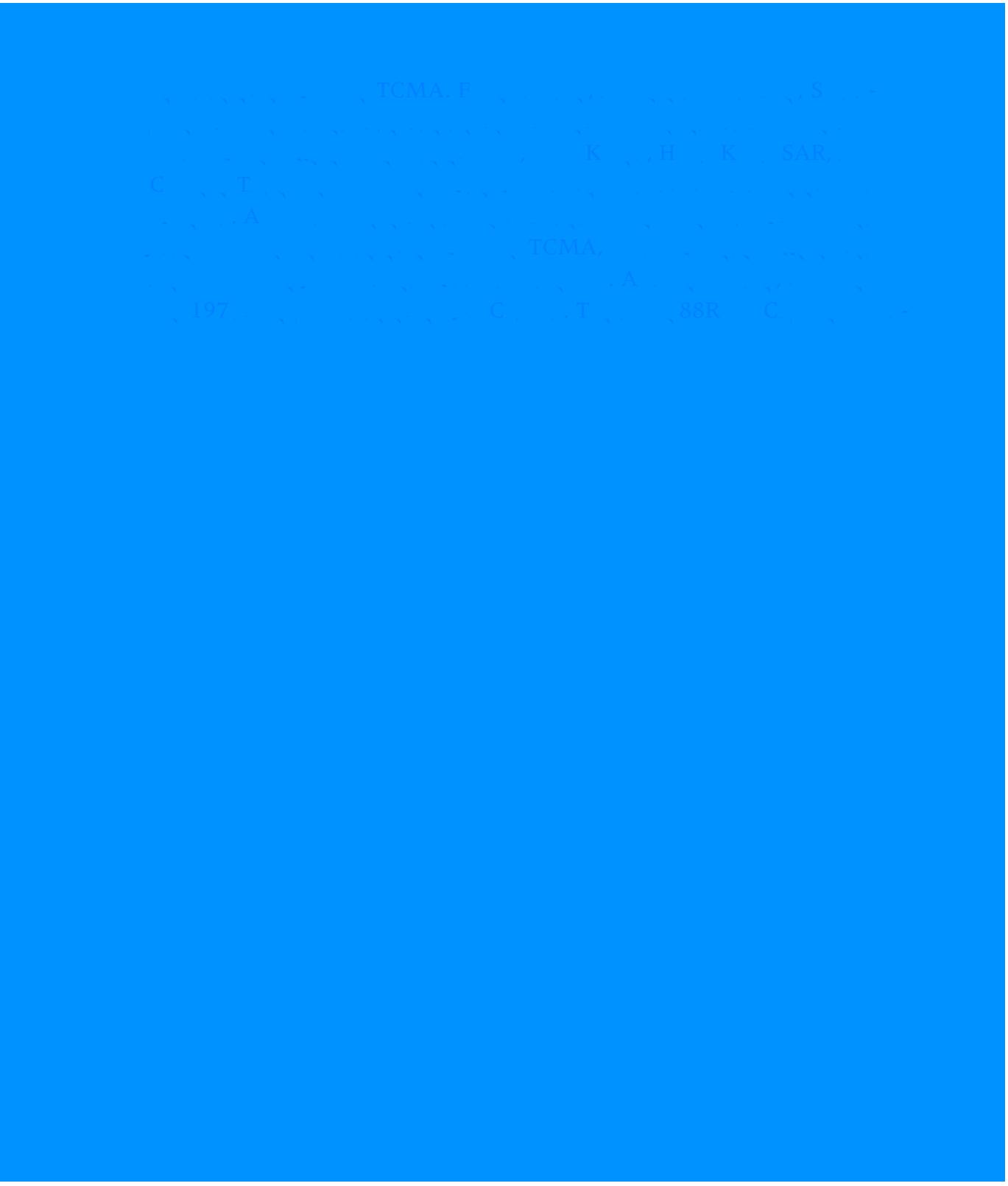
SOURCE: IEA's Trends in International Mathematics and Science Study (TIMSS) 2003

MATHEMATICS
Grade

Instructions: Read across the row to compare that country's performance based on the test items included by each of the countries across the top. Read down the column under a country name to compare the performance of the country down the left on the items included by the country listed on the top. Read along the diagonal to compare performance for each different country based on its own decisions about the test items to include.

74 (1.2)	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.1	1.2	1.2	1.1	1.2
70 (0.7)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
69 (0.4)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4
69 (0.5)	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4	0.5	0.5
65 (0.4)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4
62 (0.5)	0.5	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6
62 (0.6)	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6
61 (0.7)	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.8	0.7	0.8	0.7	0.7	0.8	0.7
61 (0.8)	0.8	0.9	0.8	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8	0.9	0.8	0.8	0.9	0.8
60 (1.0)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
60 (0.7)	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
58 (0.6)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
57 (0.5)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5	0.5
54 (1.0)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
54 (0.8)	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

SOURCE: IEA's Trends in International Mathematics and Science Study (TIMSS) 2003



[illegible] TCMA. F [illegible] S [illegible] K [illegible] H [illegible] K [illegible] SAR, [illegible] C [illegible] T [illegible] A [illegible] TCMA, [illegible] A [illegible] 197 [illegible] C [illegible] T [illegible] 88R [illegible] C [illegible]