тімss 2015

Multiple-Choice Items		Constructed Response Items		Total	Percentage
Four Response Options	Compound	1 Point	2 Points	Items	of Score Points
Mathematics Items					
44 (44)	2 (2)	37 (37)	6 (12)	89 (95)	52%
35 (35)		18 (18)	3 (6)	56 (59)	32%
8 (8)		12 (12)	4 (8)	24 (28)	15%
87 (87)	2 (2)	67 (67)	13 (26)	169 (182)	
49%		51%			
50%		50%			
Mathematics – Numeracy Items					
21 (21)		30 (30)	1 (2)	52 (53)	50%
7 (7)		8 (8)		15 (15)	14%
17 (17)	1 (1)	14 (14)	3 (6)	35 (38)	36%
45 (45)	1 (1)	52 (52)	4 (8)	102 (106)	
43%		57%			
50	%	50)%		
Science Items					
37 (37)	2 (2)	32 (32)	8 (16)	79 (87)	46%
32 (32)	4 (4)	27 (27)	1 (2)	64 (65)	35%
21 (21)	2 (2)	7 (7)	3 (6)	33 (36)	19%
90 (90)	8 (8)	66 (66)	12 (24)	176 (188)	
52%		48%			
50%		50%			
	Four Response Options Mat 44 (44) 35 (35) 8 (8) 87 (87) 49 50 Mathemat 21 (21) 7 (7) 17 (17) 45 (45) 337 (37) 32 (32) 21 (21) 90 (90)	Four Response Options Compound Mathematics Items 44 (44) 2 (2) 35 (35) 3 (2) 8 (8) 2 (2) 87 (87) 2 (2) 44 (44) 2 (2) 35 (35) 2 (2) 8 (8) 2 (2) 44 (44) 2 (2) 8 (8) 2 (2) 49 % 2 (2) 21 (21) 1 (1) 45 (45) 1 (1) 43 % 1 (1) 43 % 2 (2) 37 (37) 2 (2) 37 (37) 2 (2) 37 (37) 2 (2) 90 (90) 8 (8) 52% 350	Multiple-Choice items Response Options Compound I Point Mathematics Items 1 44 (44) 2 (2) 37 (37) 35 (35) 18 (18) 8 (8) 12 (12) 87 (87) 2 (2) 67 (67) 49 √ 51 40 (44) 30 (30) 7 (7) 30 (30) 7 (7) 30 (30) 7 (7) 1 (1) 44 (44) 52 (52) 44 (44) 2 (2) 30 (30) 7 (7) 1 (1) 14 (14) 45 (45) 1 (1) 52 (52) 43 √ 52 50 50 √ 50 50 51 (12) 2 (2) 32 (32) 37 (37) 2 (2) 32 (32) 32 (32) 4 (4) 27 (27) 32 (32) 4 (4) 27 (27) 37 (37) 2 (2) 7 (7) 90 (90) 8 (8) 66 (66)	Multiple-Croice items Response Compound Options Response Items Four Response Options Compound I Point 2 Points Mathematics Items I Point 2 Points 44 (44) 2 (2) 37 (37) 6 (12) 35 (35) I 8 (18) 3 (6) 8 (8) I 2 (12) 4 (8) 87 (87) 2 (2) 67 (67) 13 (26) 88 I 2 (12) 4 (8) 3 (6) 87 (87) 2 (2) 67 (67) 13 (26) 49 ··· 50 ··· 50 ··· 50 ··· Mathematics - Numeracy Items 21 (21) 30 (30) 1 (2) 7 (7) 1 (1) 14 (14) 3 (6) 43 ··· 57 ··· 48) 17 (17) 1 (1) 14 (14) 3 (6) 43 ··· 57 ··· 50 ··· 50 ··· 50 ··· 50 ··· 37 (37) 2 (2) 32 (32) 8 (16) 32 (32) 4 (4) 27 (27) 1 (2) 32 (32) 8 (8)	Multiple-Choice Items Response four Response Options Compound option I Point option Z Points Total Items Nathematics Items 44 (44) 2 (2) 37 (37) 6 (12) 89 (95) 35 (35) 18 (18) 3 (6) 56 (59) 8 (8) 12 (12) 4 (8) 24 (28) 87 (87) 2 (2) 67 (67) 13 (26) 169 (182) 8 (8) 12 (12) 4 (8) 24 (28) 87 (87) 2 (2) 67 (67) 13 (26) 169 (182) 8 (8) 50 (50) 50 (50) 16 (50) 169 (182) 7 (7) 2 (2) 67 (67) 13 (26) 169 (182) 7 (7) 30 (30) 1 (2) 52 (53) 7 (7) 1 (1) 3 (6) 35 (38) 45 (45) 1 (1) 52 (52) 4 (8) 102 (106) 45 (45) 1 (1) 52 (52) 4 (8) 102 (106) 45 (45) 1 (1) 52 (52) 4 (8) 102 (106) 37 (37)

Exhibit 1.15: TIMSS 2015 Achievement Items by Content Domain and Item Format -Fourth Grade

Score points are shown in parentheses.

Because percentages are rounded to the nearest whole number, some totals may appear inconsistent.

Counts of TIMSS Numeracy achievement items do not include the two fourth grade TIMSS 2015 mathematics blocks (see <u>Chapter 4</u> of the *TIMSS 2015 Assessment Frameworks*).

