

Exhibit 1.11: TIMSS 2015 Achievement Items by Content Domain – Fourth Grade

Content Domain	Number of Trend Items in TIMSS 2015	Percentage of Trend Score Points	Number of New Items in TIMSS 2015	Percentage of New Score Points	Total Items	Achieved Percentage of Score Points	Target Percentage of Score Points
Mathematics Items							
Number	48 (49)	46%	41 (46)	61%	89 (95)	52%	50%
Geometric Shapes and Measures	37 (38)	36%	19 (21)	28%	56 (59)	32%	35%
Data Display	17 (19)	18%	7 (9)	12%	24 (28)	15%	15%
Total	102 (106)		67 (76)		169 (182)		
Mathematics - Numeracy Items							
Whole Numbers			52 (53)	50%	52 (53)	50%	50%
Fractions and Decimals			15 (15)	14%	15 (15)	14%	15%
Shapes and Measures			35 (38)	36%	35 (38)	36%	35%
Total			102 (106)		102 (106)		
Science Items							
Life Science	47 (52)	48%	32 (35)	44%	79 (87)	46%	45%
Physical Science	35 (35)	32%	29 (30)	38%	64 (65)	35%	35%
Earth Science	19 (22)	20%	14 (14)	18%	33 (36)	19%	20%
Total	101 (109)		75 (79)		176 (188)		

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 [Chapter 4](#) of the *TIMSS 2015 Assessment Frameworks*).