

**Exhibit 1.17: TIMSS 2015 Achievement Items by Content Domain and Item Format – Eighth Grade**

Content Domain	Multiple-Choice Items		Constructed Response Items		Total Items	Percentage of Score Points
	Four Response Options	Compound	1 Point	2 Points		
<b>Mathematics Items</b>						
Number	28 (28)	1 (1)	29 (29)	6 (12)	64 (70)	31%
Algebra	35 (35)		24 (24)	3 (6)	62 (65)	28%
Geometry	22 (22)		17 (17)	4 (8)	43 (47)	21%
Data and Chance	27 (27)	2 (4)	12 (12)	2 (4)	43 (47)	21%
<b>Total</b>	<b>112 (112)</b>	<b>3 (5)</b>	<b>82 (82)</b>	<b>15 (30)</b>	<b>212 (229)</b>	
<b>Achieved Percentage of Score Points</b>	<b>51%</b>		<b>49%</b>			
<b>Target Percentage of Score Points</b>	<b>50%</b>		<b>50%</b>			
<b>Science Items</b>						
Biology	35 (35)	1 (1)	27 (27)	12 (24)	75 (87)	36%
Chemistry	19 (19)	4 (5)	20 (20)	1 (2)	44 (46)	19%
Physics	31 (31)	2 (3)	23 (23)		56 (57)	24%
Earth Science	26 (26)	3 (4)	13 (13)	3 (6)	45 (49)	21%
<b>Total</b>	<b>111 (111)</b>	<b>10 (13)</b>	<b>83 (83)</b>	<b>16 (32)</b>	<b>220 (239)</b>	
<b>Achieved Percentage of Score Points</b>	<b>52%</b>		<b>48%</b>			
<b>Target Percentage of Score Points</b>	<b>50%</b>		<b>50%</b>			

Score points are shown in parentheses.

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