

**Exhibit 1.8: TIMSS Advanced 2015 Achievement Items by Content Domain**

Content Domain	Number of Trend Items in TIMSS Advanced 2015	Percentage of Trend Score Points	Number of New Items in TIMSS Advanced 2015	Percentage of New Score Points	Total Items	Achieved Percentage of Score Points	Target Percentage of Score Points
<b>Advanced Mathematics Items</b>							
Algebra	12 (14)	36%	25 (29)	35%	37 (43)	35%	35%
Calculus	9 (13)	33%	25 (31)	37%	34 (44)	36%	35%
Geometry	11 (12)	31%	20 (24)	29%	31 (36)	29%	30%
<b>Total</b>	<b>32 (39)</b>		<b>70 (84)</b>		<b>102 (123)</b>		
<b>Physics Items</b>							
Mechanics and Thermodynamics	13 (15)	44%	27 (33)	40%	40 (48)	41%	40%
Electricity and Magnetism	8 (8)	24%	20 (23)	28%	28 (31)	26%	25%
Wave Phenomena and Atomic/Nuclear Physics	10 (11)	32%	25 (27)	33%	35 (38)	33%	35%
<b>Total</b>	<b>31 (34)</b>		<b>72 (83)</b>		<b>103 (117)</b>		

Score points are shown in parentheses.

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