

**Appendix MB.1: Distribution of Items Included in the Advanced Mathematics Assessment by Content Domain, Cognitive Domain, and Item Format**

Advanced Mathematics Items	Multiple-Choice Items	Constructed Response Items	Total Items	Percentage of Score Points
<b>Content Domain</b>				
Algebra	19 (20)	18 (23)	37 (43)	35%
Calculus	21 (23)	13 (21)	34 (44)	36%
Geometry	19 (19)	12 (17)	31 (36)	29%
Total	59 (62)	43 (61)	102 (123)	100%
Percentage of Score Points	50%	50%		
<b>Cognitive Domain</b>				
Knowing	27 (29)	6 (7)	33 (36)	29%
Applying	22 (22)	18 (28)	40 (50)	41%
Reasoning	10 (11)	19 (26)	29 (37)	30%
Total	59 (62)	43 (61)	102 (123)	100%
Percentage of Score Points	50%	50%		

Score points are shown in parentheses.  
Because of rounding some results may appear inconsistent.

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS Advanced 2015