

Appendix B.2: Distribution of Items Included in the Assessment by Content Domain, Cognitive Domain, and Item Format

TIMSS Assessment Items	Multiple-Choice Items	Constructed Response Items	Total Items	Percentage of Score Points
Content Domain				
Biology	36 (36)	39 (51)	75 (87)	36%
Chemistry	23 (24)	21 (22)	44 (46)	19%
Physics	33 (34)	23 (23)	56 (57)	24%
Earth Science	29 (30)	16 (19)	45 (49)	21%
Total	121 (124)	99 (115)	220 (239)	100%
Percentage of Score Points	52%	48%		
Cognitive Domain				
Knowing	64 (66)	13 (19)	77 (85)	36%
Applying	44 (45)	47 (53)	91 (98)	41%
Reasoning	13 (13)	39 (43)	52 (56)	23%
Total	121 (124)	99 (115)	220 (239)	100%
Percentage of Score Points	52%	48%		

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 2015