

Exhibit 13.1: TIMSS 2015 Mathematics Items for Concurrent Calibration at the Fourth Grade

Item Type	Points	Items Released in 2011		Items Common in 2011 and 2015		Items Introduced in 2015		Total	
		Items	Points	Items	Points	Items	Points	Items	Points
Multiple-Choice	1	36	36	57	57	30	30	123	123
Constructed Response	1	31	31	42	42	31	31	104	104
	2	6	12	3	6	6	12	15	30
Total		73	79	102	105	67	73	242	257

TIMSS 2015 Fourth Grade Mathematics Items for Concurrent Calibration by Content and Cognitive Domains

Mathematics Content Domains	Items Released in 2011		Items Common in 2011 and 2015		Items Introduced in 2015		Total	
	Items	Points	Items	Points	Items	Points	Items	Points
Number	40	43	48	49	41	45	129	137
Geometric Shapes and Measures	24	27	37	38	19	21	80	86
Data Display	9	9	17	18	7	7	33	34

Mathematics Cognitive Domains	Items Released in 2011		Items Common in 2011 and 2015		Items Introduced in 2015		Total	
	Items	Points	Items	Points	Items	Points	Items	Points
Knowing	29	32	41	41	23	24	93	97
Applying	29	30	42	44	30	32	101	106
Reasoning	15	17	19	20	14	17	48	54
Total	73	79	102	105	67	73	242	257