

Exhibit 13.2: TIMSS 2015 Science 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	42	42	47	47	35	35	124	124
Constructed Response	1	25	25	40	40	34	34	99	99
	2	5	10	8	16	4	8	17	34
Total		72	77	95	103	73	77	240	257

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

Science 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
Life Science	30	32	44	49	30	33	104	114
Physical Science	28	29	32	32	29	30	89	91
Earth Science	14	16	19	22	14	14	47	52

Science 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	30	34	38	41	29	32	97	107
Applying	31	32	39	42	27	28	97	102
Reasoning	11	11	18	20	17	17	46	48
Total	72	77	95	103	73	77	240	257