

Appendix 11A: TIMSS Advanced 2015 Within-Country Scoring Reliability for the Constructed Response Items

TIMSS Advanced 2015 Within-Country Scoring Reliability for the Advanced Mathematics Constructed Response Items

Country	Correctness Score Agreement			Diagnostic Score Agreement		
	Average of Exact Percent Agreement Across Items	Range of Exact Percent Agreement		Average of Exact Percent Agreement Across Items	Range of Exact Percent Agreement	
		Minimum	Maximum		Minimum	Maximum
France	97	84	100	96	81	100
Italy	97	90	100	96	86	100
Lebanon	92	78	99	88	77	98
Norway	98	87	100	97	83	100
Portugal	100	99	100	100	99	100
Russian Federation	99	96	100	99	96	100
Russian Federation 6hr+ ¹	99	96	100	99	96	100
Slovenia	99	92	100	99	92	100
Sweden	96	88	100	95	82	100
United States	96	83	100	95	83	100
International Avg.	97	89	100	96	87	100

¹ For advanced mathematics, the Russian Federation participated in 2015 with an expanded population that included the more specialized students assessed in 1995 and 2008.

**TIMSS Advanced 2015 Within-Country Scoring Reliability for the Physics
Constructed Response Items**

Country	Correctness Score Agreement			Diagnostic Score Agreement		
	Average of Exact Percent Agreement Across Items	Range of Exact Percent Agreement		Average of Exact Percent Agreement Across Items	Range of Exact Percent Agreement	
		Minimum	Maximum		Minimum	Maximum
France	96	83	100	94	83	100
Italy	95	85	100	94	85	100
Lebanon	90	59	100	83	50	99
Norway	97	91	100	96	90	100
Portugal	100	98	100	99	97	100
Russian Federation	97	88	100	97	86	100
Slovenia	96	86	100	95	77	100
Sweden	96	90	100	94	85	100
United States	96	84	100	94	79	100
International Avg.	96	85	100	94	81	100