





Within-Country Scoring Reliability for Human Scored Items in the TIMSS 2019 Problem Solving and Inquiry Tasks—Grade 8 Mathematics

Country	Score Point Agreement			Diagnostic Code Agreement		
	Average of Exact Percent Agreement Across Items	Range of Exact Percent Agreement Across Items		Average of Exact Percent Agreement Across Items	Range of Exact Percent Agreement Across Items	
		Minimum	Maximum		Minimum	Maximum
Chile	97	94	99	97	94	99
Chinese Taipei	98	94	100	98	94	100
England	98	96	99	98	95	99
Finland	99	99	100	99	99	100
France	97	93	99	97	93	99
Georgia	95	89	99	95	89	99
Hong Kong SAR	100	100	100	100	100	100
Hungary	96	93	99	96	93	99
Israel	98	96	99	98	96	99
Italy	97	93	99	97	93	99
Korea, Rep. of	98	96	99	98	96	99
Lithuania	97	92	100	97	92	100
Malaysia	99	97	100	99	97	100
Norway (9)	96	92	99	96	91	99
Portugal	98	96	100	98	96	100
Qatar	97	96	99	97	96	99
Russian Federation	99	96	100	99	96	100
Singapore	98	96	100	98	96	100
Sweden	98	95	99	98	95	99
Turkey	99	97	100	99	97	100
United Arab Emirates	98	93	100	98	93	100
United States	98	94	100	98	94	100
<b>International Average</b>	<b>98</b>	<b>95</b>	<b>100</b>	<b>98</b>	<b>95</b>	<b>100</b>
<b>Benchmarking Participants</b>						
Ontario, Canada	95	93	98	95	93	98
Quebec, Canada	96	91	100	96	90	100
Moscow City, Russian Fed.	97	94	99	97	93	99
Abu Dhabi, UAE	99	98	100	99	98	100
Dubai, UAE	96	82	100	96	82	100

Within-Country Scoring Reliability for Human Scored Items in the TIMSS 2019 Problem Solving and Inquiry Tasks—Grade 8 Science

Country	Score Point Agreement			Diagnostic Code Agreement		
	Average of Exact Percent Agreement Across Items	Range of Exact Percent Agreement Across Items		Average of Exact Percent Agreement Across Items	Range of Exact Percent Agreement Across Items	
		Minimum	Maximum		Minimum	Maximum
Chile	94	91	99	94	90	99
Chinese Taipei	93	85	98	92	85	98
England	93	90	98	93	90	98
Finland	95	90	99	95	89	99
France	95	86	99	94	86	99
Georgia	94	88	99	93	88	99
Hong Kong SAR	100	100	100	100	100	100
Hungary	87	78	94	86	78	94
Israel	90	84	96	89	77	96
Italy	95	92	99	95	91	99
Korea, Rep. of	95	88	99	94	88	99
Lithuania	90	83	99	90	83	99
Malaysia	93	88	97	93	88	97
Norway (9)	92	87	99	91	84	99
Portugal	92	88	97	92	88	97
Qatar	94	92	98	94	91	98
Russian Federation	94	88	100	93	88	96
Singapore	95	88	100	94	88	100
Sweden	89	82	96	89	82	96
Turkey	95	88	100	95	86	100
United Arab Emirates	93	90	96	92	90	96
United States	93	87	100	93	87	99
<b>International Average</b>	<b>93</b>	<b>88</b>	<b>98</b>	<b>93</b>	<b>87</b>	<b>98</b>
<b>Benchmarking Participants</b>						
Ontario, Canada	91	80	98	90	80	98
Quebec, Canada	88	80	98	87	80	98
Moscow City, Russian Fed.	98	93	100	97	93	100
Abu Dhabi, UAE	94	89	99	94	89	99
Dubai, UAE	92	85	98	91	85	98