

## Appendix 11C: TIMSS 2015 Cross-Country Scoring Reliability for the Constructed Response Items

### TIMSS 2015 Cross-Country Scoring Reliability for the Fourth Grade Constructed Response Mathematics Items

Item Label	Total Valid Comparisons	Exact Percent Agreement	
		Correctness Score Agreement	Diagnostic Score Agreement
M09_01 - M051206	207000	97	97
M09_04 - M051045	207000	99	98
M09_06 - M051030	206820	98	98
M09_11 - M051533	206910	99	99
M09_12 - M051080	206865	91	88
M11_01 - M051401	206865	99	99
M11_03 - M051402	207000	99	99
M11_05 - M051131	206955	98	98
M11_07 - M051217	206955	97	96
M11_08 - M051079	207000	97	97
M11_11 - M051009	207000	98	98
<b>Average Percent Agreement</b>		<b>97</b>	<b>97</b>

### TIMSS 2015 Cross-Country Scoring Reliability for the Fourth Grade Constructed Response Science Items

Item Label	Total Valid Comparisons	Exact Percent Agreement	
		Correctness Score Agreement	Diagnostic Score Agreement
S09_01 - S051044	198000	88	88
S09_04 - S051168	198000	81	77
S09_05 - S051010	198000	86	83
S09_07 - S051059	198000	71	71
S09_10 - S051151	198000	98	98
S11_04 - S051194	198000	89	89
S11_06 - S051077	198000	95	95
S11_07 - S051200	198000	86	86
S11_08 - S051075	198000	84	84
S11_12 - S051175	198000	77	77
<b>Average Percent Agreement</b>		<b>86</b>	<b>85</b>

**TIMSS 2015 Cross-Country Scoring Reliability for the Eighth Grade Constructed Response Mathematics Items**

Item Label	Total Valid Comparisons	Exact Percent Agreement	
		Correctness Score Agreement	Diagnostic Score Agreement
M09_05A - M052174A	133128	97	97
M09_05B - M052174B	132675	96	94
M09_08 - M052110	132948	98	98
M09_09 - M052105	133164	88	88
M09_11 - M052036	133200	87	87
M09_12 - M052502	133056	95	95
M09_13 - M052117	133092	86	71
M11_03 - M052364	133200	98	98
M11_04 - M052215	133020	98	98
M11_08 - M052087	131767	94	94
M11_09 - M052048	133056	95	83
M11_10 - M052039	133164	98	98
M11_14 - M052421	132984	80	80
<b>Average Percent Agreement</b>		<b>93</b>	<b>91</b>

**TIMSS 2015 Cross-Country Scoring Reliability for the Eighth Grade Constructed Response Science Items**

Item Label	Total Valid Comparisons	Exact Percent Agreement	
		Correctness Score Agreement	Diagnostic Score Agreement
S09_02 - S052272	133200	90	82
S09_03A - S052085A	133128	78	68
S09_03B - S052085B	133200	78	78
S09_04 - S052094	133200	95	95
S09_06 - S052146	133200	91	88
S09_10 - S052214	133200	98	98
S09_12 - S052101	132948	82	82
S11_01B - S052090B	133200	80	66
S11_04 - S052273	133056	52	52
S11_06 - S052051	133092	83	83
S11_10 - S052189	133128	79	74
S11_13 - S052099	133164	80	80
S11_14 - S052118	133164	90	84
<b>Average Percent Agreement</b>		<b>83</b>	<b>79</b>