Appendix 17C: Modifications to the TIMSS 2019 Problem Solving and Inquiry Data

Grade 4
Items Excluded from Scaling for All Countries*
MI02_04B – MQ11P04B (severe differential item functioning)
SI02_06 – SQ11S06 (severe differential item functioning)
Items Recoded for All Countries
SI01_02 – SQ11F02 (20 to 10)
SI01_05 – SQ11F05 (20 to 10, 10 to 70, 11 to 71)
Items Deleted by Country
Hong Kong SAR
SI01_07A – SQ11F07A (severe item-by-country interaction)

Grade 8
Items Excluded from Scaling for All Countries*
SI02_07 – SQ12S07 (item dependency)
SI02_08 – SQ12S08 (item dependency)