

## Appendix 11E: Derived Items in TIMSS 2015

### TIMSS Fourth Grade Mathematics

M051061Z, M06\_08 – Item parts A, B, and C are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

M061018, M10\_01 – Item parts A, B, C, and D are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

M061240, M14\_01 – Item parts A, B, and C are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

### TIMSS Numeracy

MN11042, N01\_10 – Item parts B, C, D, and E are combined to create a 1-point item, where 1 score point is awarded if all parts are correct (part A is an example)

### TIMSS Fourth Grade Science

S041149Z, S01\_10 – Item parts A and B are combined to create a 2-point item, where 2 score points are awarded if both parts A and B are correct, 1 score point is awarded if either part A or part B is correct, and 0 score points are awarded if both parts A and B are incorrect

S051026Z, S03\_05 – Item parts A, B, C, and D are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

S051121Z, S03\_08 – Item parts A, B, C, D, and E are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

S051188Z, S06\_08 – Item parts A, B, C, D, and E are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

S061083, S10\_06 – Item parts B, C, and D are combined to create a 1-point item, where 1 score point is awarded if all parts are correct (part A is an example)

S061142A, S10\_09 – Item parts A, B, and C are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

S051138Z, S11\_03 – Item parts A and B are combined to create a 1-point item, where 1 score point is awarded if both parts are correct (part C was deleted)

S061124, S14\_11 – Item parts B, C, D, and E are combined to create a 1-point item, where 1 score point is awarded if all parts are correct (part A is an example)

S061116, S14\_12 – Item parts B, C, D, and E are combined to create a 1-point item, where 1 score point is awarded if all parts are correct (part A is an example)

**TIMSS Eighth Grade Mathematics**

M062208, M02\_01 – Item parts A, B, C, and D are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

M042229Z, M05\_10 – Item parts A and B are combined to create a 2-point item, where 2 score points are awarded if both parts A and B are correct, 1 score point is awarded if only part A or only part B is correct, and 0 score points are awarded if both parts A and B are incorrect

**TIMSS Eighth Grade Science**

S062189, S02\_01 – Item parts A, B, D, and E are combined to create a 2-point item, where 2 score points are awarded if all parts are correct, 1 score point is awarded if 3 parts are correct, and 0 score points are awarded if 2 or fewer parts are correct (part C was deleted)

S062010, S02\_05 – Item parts A, B, C, and D are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

S052092Z, S03\_02 – Item parts A, B, C, and D were combined to create a 2-point item, where 2 score points are awarded if all parts are correct, 1 score point is awarded if 2 or 3 parts are correct, and 0 score points are awarded if 1 or 0 parts are correct

S052043Z, S03\_07 – Item parts A, B, C, and D are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

S062018, S04\_08 – Item parts A, B, C, D, and E are combined to create a 2-point item, where 2 points are awarded if all parts are correct, 1 point is awarded if 4 parts are correct, and 0 score points are awarded if 3 or fewer parts are correct

S062173A, S10\_13 – Item parts A, B, C, and D are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

S052015Z, S11\_05 – Item parts A, B, C, D, E, and F are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

S062242, S12\_15 – Item parts A, B, D, and E are combined to create a 1-point item, where 1 score point is awarded if all parts are correct (part C was deleted)

S052095Z, S13\_05 – Item parts B, C, and D are combined to create a 1-point item, where 1 score point is awarded if all parts are correct (part A is an example)

S062047, S14\_07 – Item parts A, B, and C are combined to create a 1-point item, where 1 score point is awarded if all parts are correct

S062022, S14\_14 – Item parts A, B, C, and D are combined to create a 1-point item, where 1 score point is awarded if all parts are correct