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| **Grade 7 : Mathematics June Examination 2015**  **Memorandum**  **Exemplar Paper 1** |

**General marking note:**

1. **Give full marks for answers only, unless otherwise stated.**
2. **Accept any alternative correct solution that is not included in the memorandum.**
3. **Apply CA when applicable.**

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| Section A | | | |
|  |  | Clarification | Mark |
| 1. | C✓ |  | 1 |
| 2. | B✓ |  | 1 |
| 3. | C✓ |  | 1 |
| 4. | A✓ |  | 1 |
| 5. | C✓ |  | 1 |
| 6. | B✓ |  |  |
|  |  |  | **5** |
| Section B | |  |  |
| 1.1 | 8 404 394✓✓ |  | 2 |
| 1.2 | 7 967 826✓✓ |  | 2 |
|  |  |  |  |
| 1.3 | 7 095  × 326  42 570✓  141900✓  2128500✓  2312970✓ | Apply CA | 4 |
| 1.4 | 204 331✓✓ | Any method | 2 |
|  |  |  |  |
| 1.5 | (a) 1✓  (b) (28 – 5)✓ = 23✓ |  | 1 |
|  |  | 2 |
|  |  |  | **13** |
|  |  |  |  |
| 2.1 | 1; 2; 3; 4; 6; 9; 12; 18; 36✓✓ | Full marks if all factors correct | 2 |
| 2.2 | 2; 3✓✓ | 1 mark each | 2 |
| 2.3 | 4 : 4; 8; 12; 16; 20; 24; 28; 32; 36✓  9: 9; 18; 27; 36✓  12: 12; 24; 36; ✓  LCM - 36✓ |  | 4 |
| 2.4 | a3 ✓ |  | 1 |
| 2.5.1 | 8✓ + 11✓ + 4✓ = 23✓ | Apply CA | 4 |
| 2.6 | 24✓ = 16✓ | 1 mark per answer | 2 |
|  |  |  | **15** |
|  |  |  |  |

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| 3.1 | 25:10✓ or 5:2✓ |  | 1 |
| 3.2 | ✓ |  | 1 |
| 3.3 | ✓ |  | 1 |
| 3.4 |  |  | 3 |
|  |  |  | **6** |
|  |  |  |  |
| 4.1.1 | 0,12✓ |  | 1 |
| 4.1.2 | 60%✓ |  | 1 |
| 4.1.3 | ✓ |  | 1 |
| 4.2 | 1. ✓ | Both numerator and denominator correct | 1 |
|  | (b) 4✓ | Both fraction and whole number correct | 1 |
| 4.3 | ✓ = ✓ | Both numerator and denominator correct | 2 |
| 4.4 | (a) 2✓ (✓ +  ✓ - ) = 2✓ | Apply CA | 4 |
|  | (b) ✓ ×  ✓ = 3✓ | Apply CA | 3 |
|  |  |  | **14** |
|  |  |  |  |

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| 5.1 | (a) 49✓   1. 48,7✓ |  | 1  1 |
| 5.2.1 | + = ✓✓ |  | 2 |
| 5.2.2 | Yes, ✓ en and is more than one whole✓✓ | Consider other logical reasons | 3 |
| 5.3 | x R300 or = R240 ✓✓  = R60✓  R300 – R60✓ = R240✓ | Apply CA | 3 |
|  |  |  | **10** |
|  |  |  |  |
| 6.1 | 3✓  7✓  17✓  20✓ |  | 4 |
| 6.2 | A 18✓  B 24✓  C 7✓ |  | 3 |
|  |  |  | **7** |
|  |  |  |  |
|  |  | Total | 70 |