

**ANNUAL NATIONAL ASSESSMENT**

**GRADE 5**

**MATHEMATICS**

**EXEMPLAR TEST 2012**

**MEMORANDUM**

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**GRADE 5 MATHEMATICS EXEMPLAR TEST**

**MEMORANDUM**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number** | | **Expected Answers** | **Marks** | **Total** |
| 1. | 1.1 | C✓ | 1 | 5 |
| 1.2 | C✓ | 1 |
| 1.3 | B✓ | 1 |
| 1.4 | C✓ | 1 |
| 1.5 | B✓ | 1 |
| 2. | | 124 375 , 142 375, 214 375, 241 375✓ | 1 | 1 |
| 3. | | 328 040✓ | 1 | 1 |
| 4. | | 124 000✓ | 1 | 1 |
| 5. | | 4 ✓; 4 ✓ | 2 | 2 |
| 6. | | A 22 500✓  B 23 000✓ | 2 | 2 |
| 7. | 7.1 | ✓ | 1 | 2 |
| 7.2 | 5 x (12-3)  = 5 x 9  =45✓ | 1 |
| 8. | | 40 ✓and 10✓ | 2 | 2 |
| 9. | | ✓ | 1 | 1 |
| 10. | | 7 ✓and 33✓ | 2 | 2 |
| 11. | | 8 x \_\_\_\_ = 96 or \_\_\_\_\_ x 8 = 96 or number 96 ÷ 8✓ | 1 | 1 |
| 12. | 12.1 | 9 + = 9 +✓ = 10 ✓ | 3 | 12 |
| 12.2 | 2 8 9 7 4 1  + 4 6 2 3 0 6✓  7 5 2 0 4 7✓  **or**  200 000 + 80 000 + 9 000 + 700 + 40 + 1  + 400 000 + 60 000 + 2 000 + 300 + 0 + 6✓  700 000 + 50 000 + 2 000 + 0 + 40 + 7 = 752 047✓  **Accept any other correct method.** | 2 |
| 12.3 | 237  X 42  474✓  + 9480✓  9954✓  237 x 42  237 x 7 x 6✓  = 1659 x 6✓  = 9954✓  **Accept any other correct method** | 3 |
| 12.4 | 18 h 34 min  - 12 h 55 min  5h✓ 39 min✓ | 2 |
| 12.5 | x = 3 x 9 ✓ = 27✓ | 2 |
| 13. | | Number of bags = 1 763 ÷ 43✓  ✓  172  43✓  43  0 | 3 | 3 |
| 14. | | 1. Distance = 3,5 85 km✓   or   1. Distance = 3 485m✓ | 2 | 2 |
| 15. | | 22:40✓ | 1 | 1 |
| 16. | | ✓  ✓ | 2 | 2 |
| 17. | | 4 squares✓ | 1 | 1 |
| 18. | | |  |  |  |  | | --- | --- | --- | --- | |  | Number of squares | Number of rectangles | Name of the 3 -D object | |  | 2✓ | 4✓ | Rectangular prism ✓ | | 3 | 3 |
| 19. | | 2 right angles✓ | 1 | 1 |
| 20. | | Reflection or  Flipping✓ | 1 |  |
| 21. | 21.1 | ✓ | 1 | 3 |
| 21.2 | F✓ | 1 |
| 21.3 | C3✓ | 1 |
| 22. | 22.1 | |  |  |  | | --- | --- | --- | | TV station | Tally marks | Frequency | | SABC 1 | **I**  **IIII**  ✓ | 6 | | SABC 2 | ✓**II** | 2 | | SABC 3 | ✓ **III** | 3 | | e TV | **II**  **IIII**  ✓ | 7 | | 4 | 10 |
| 22.2 | 18✓ | 1 |
| 22.3 | e-tv or7  ✓ | 1 |
| 22.4 | ✓ 1 for each bar | 4 |
| 23. | 23.1 | Possible✓ | 1 | 2 |
| 23.2 | Impossible✓ | 1 |
| **TOTAL: 60** | | | | |