

**ANNUAL NATIONAL ASSESSMENT**

**GRADE 5**

**MATHEMATICS**

**2012 EXEMPLAR TEST**

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| 1. | Circle the letter of the correct answer. |  |  |

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|  | 1.1 | Which number is 2000 more than 987 467? |  |  |

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|  | A  B  C  D | 987 667  987 687  989 467  989 487 |  | (1) |

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|  | 1.2 | A number divided by 4 is 12. What is that number? |  |  |

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|  | A  B  C  D | 28  58  48  38 |  | (1) |

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|  | 1.3 | Name the shape with 4 right angles and all sides equal. |  |  |

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|  | A  B  C  D | Rectangle  Square  Rhombus  Parallelogram |  | (1) |

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|  | 1.4 | Which part of the following diagram is shaded? |  |  |

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|  | A  B  C  D |  |  | (1) |

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|  | 1.5 | Which object below is a pentagonal pyramid? |  |  |

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|  | A  B  C  D |  |  | (1) |

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| 2. | Arrange the following numbers in ascending order. |  |  |

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|  | 214 375; 241 375; 142 375; 124 375  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | (1) |

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| 3. | Use digits to write the number three hundred and twenty eight thousand and forty. |  |  |

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| 4. | Round 123 956 off to the nearest 100. |  |  |

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|  | \_\_\_\_\_\_ |  | (1) |

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| 5. | Complete the pattern: 5 ; 5 ;4 ; \_\_\_ ; \_\_\_ . |  | (1) |

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| 6. | Write down the numbers represented by A and B on the number line. |  |  |

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|  | 22 000 22 250 **A** 22 750 **B** |  | (1) |

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|  | A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | (1) |

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|  | B\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | (1) |

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| 7. | Replace \* with a number. |  |  |

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|  | 7.1 |  |  | (1) |

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|  | 7.2 | 5 x ( 12 – 3 ) = \* |  | (1) |

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| 8. | Complete the table below : |  |

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|  | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Number of spiders | 1 | 2 | 3 | 5 |  | | Number of legs | 8 | 16 | 24 |  | 80 | |  | (2) |

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| 9. | Study the following pattern and draw the next shape |  |

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|  |  |  | (1) |

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| 10. | Complete the flow diagram |  |

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|  | 5  9  17  25  -3  x 4 |  | (2) |

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| 11. | The product of 2 numbers is 96. One number is 8. What is the other number? Express the above as a number sentence. |  |

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| 12. | Calculate: |  |  |

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|  | 12.1 | |  | | --- | | 6 + 3 | | (3) |
|  | 12.2 | |  | | --- | | 289 741 + 462 306 | | (2) |

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|  | 12.3 | |  | | --- | | 237 x 42 | | (3) |

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|  | 12.4 | 18h 34 min  -  12h 55 min  = | (2) |

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|  | 12.5 | |  | | --- | | of 45 | |  | (2) |

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| 13. | |  | | --- | | A farmer had to pack 43 oranges into a bag. He had 1 763 oranges.  How many bags can he fill? | |  | (3) |

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| 14. | |  | | --- | | John is a sportsman. He walks 3 km and runs 585m every day. What is the distance he covers per day in:  a)  b) ? | |  | (2) |

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| 15. | Write the time shown on the clock, in the evening, in 24-hour time. |  |  | |
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| 16. | Complete the pattern. |  |  |

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| 17. | How many squares does the triangle cover on the grid? |  |

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|  | |  |  |  |  | | --- | --- | --- | --- | |  | Number of squares | Number of rectangles | Name of the  3 -D object | |  |  |  |  | | (3) |

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| 18. | Complete the table: |  |  |

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| 19. | How many right angles in the shape below? |  |  |

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| 20. | Study the shapes below and name the kind of transformation. |  |  |

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| 21. | Study the grid below and answer the questions. |  |  |

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|  | |  |  |  |  |  | | --- | --- | --- | --- | --- | | D |  |  |  |  | | C |  |  |  |  | | B |  | **F** |  |  | | A | 1 | 2 | 3 | 4 | |  |

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|  | 21.1 | Draw a line of symmetry on the heart. | (1) |

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|  | 21.2 | Which object is not symmetrical? | (1) |

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|  | 21.3 | What is the position of the picture of the sun on the grid? | (1) |

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| 22. | Grade 5 learners were interviewed about their favourite TV stations. Their answers were listed as follows: 1 for SABC 1, 2 for SABC 2, 3 for SABC 3 and 4 for e -TV |  |

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|  | 1. **1 1 2 2 4 3 4 4**   **4 4 3 3 4 4 1 1 1** |  |

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|  | 22.1 | Use the above information to complete the frequency table. |  |  |

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|  | |  |  |  | | --- | --- | --- | | TV station | Tally marks | Frequency | | SABC 1 |  |  | | SABC 2 |  |  | | SABC 3 |  |  | | e TV |  |  | | (4) |

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|  | 22.2 | How many learners were interviewed? |  |

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|  | 22.3 | Find the mode of the above data set. | (1) |

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|  | 22.4 | Draw a bar graph to illustrate the data |  |  |

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| 23 | Study the following sentences and state whether each event is: |  |

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|  | **impossible**, **possible**, **uncertain** or **certain** |  |

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|  | 23.1 | I can pass all my learning areas with an A symbol. |  |

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|  | 23.2 | If I throw a dice it will show number 10 |  |  |

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|  | **TOTAL:** | **60** |