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| Year  9 | | Mathematics Test  Basic Number Skills | | Non Calculator |
| Short Answer Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Write all working and answers in the spaces provided on this test paper. | | | |
| 1. | ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 2. | What is the sum of 224, 45, 167 and 1 035?    ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 3. | ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 4. | ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 5. | What is the product of 58 and 7?    ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 6. | What number is 16 more than – 7?  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 7. | Write  as a decimal number.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 8. | Arrange the numbers below in ascending order.    ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 9. | (Answer in simplest form)  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 10. | ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 11. | (Answer in simplest form)  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 12. | ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 13. | What number lies halfway between  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 14. | Find 65% of 120 kg.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 15. | Merry pays $32 in board from her wage of $640. What percentage of her wage is spent on board?  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |
| 16. | Round 2.284 59 correct to 2 decimal places.  ..........................................................................................................................................................    .......................................................................................................................................................... | | | |

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| Year  9 | | Mathematics Test  Basic Number Skills | | Calculator Allowed |
| Multiple Choice Section | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
|  | Mark all your answers on the accompanying multiple choice answer sheet, not on this test paper. You may do any working out on this test paper. Calculators are allowed for this section. | | | |
| 1. | 6.738 when rounded correct to 2 significant figures is:  A. 6.7 B. 6.8 C. 6.73 D. 6.74 | | | |
| 2. | Which is correct?  A.  B.  C.  D. | | | |
| 3. | A.  B.  C.  D. | | | |
| 4. | When *x* is divided by 0.5, the result will be:  A. 2*x* B.  C. *x* D. *x*2 | | | |
| 5. | A.  B.  C.  D. | | | |
| 6. | Harry adds the numbers 2.3, 4.25 and 0.045 and gets an answer of 4.93. His answer is:  A. Too small by more than 2. B. Too small by less than 2.  C. Correct D. Too large by less than 2. | | | |
| 7. | A Breakfast cereal has 3.7 grams of protein in an average serving of 30 grams. What percentage of the cereal is protein (to the nearest percent)?  A. 1.2% B. 11% C. 12% D. 88% | | | |
| 8. | Ahn counts his books and finds that  of his books are novels,  are car manuals,  are biographies and the rest are lifestyle books. What fraction are lifestyle books.  A.  B.  C.  D. | | | |
| 9. | Which list is in descending order?  A.  B.  C.  D. | | | |
| 10. | A dam is currently quoted as being at 60% of its total capacity. If it holds 250 million litres when full, how many litres are in the dam now?  A. 100 million B. 150 million C. 190 million D. 210 million | | | |
| 11. | Which of the following is not equal to  ?  A.  B. 0.85 C. 34% D. | | | |
| 12. | Maya deposits  of her salary of $750 into her bank account. How much does she have left to spend?  A. $150 B. $450 C. $600 D. $700 | | | |
| 13. | Zeva measures the mass of her 3 bags before going on a trip. One bag weights 23.5 kg, the next weights 18 kg and the third weighs 8.25 kg. What is the total weight of the three bags?  A. 33.55 kg B. 49.75 kg C. 107.8 kg D. 124.0 kg | | | |
| 14. | Which is not correct?  A.  B.  C.  D. | | | |
| 15. | A. 1 B. 3 C. 9 D. 18. | | | |
| 16. | A sporting academy only gives athletes credit for achievements of better than a 90% success rate. Which of the following would not qualify for credit?  A. A goalie saves 23 of 24 shots made at him.  B. A pistol shooter hits the target with 48 shots out of 50.  C. A netballer gets 22 goals from 25 shots.  D. An archer hits the bullseye with 92 shots from 100. | | | |

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| Year  9 | Mathematics Test  Basic Number Skills | Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Multiple Choice Answer Sheet | |

Completely fill the response oval representing the most correct answer.

1. A B C D

2. A B C D

3. A B C D

4. A B C D

5. A B C D

6. A B C D

7. A B C D

8. A B C D

9. A B C D

10. A B C D

11. A B C D

12. A B C D

13. A B C D

14. A B C D

15. A B C D

16. A B C D

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| Year  9 | Mathematics Test  Basic Number Skills |
| Answer Sheet |

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| Short Answer | |
| 1 | 9 |
| 2 | 1471 |
| 3 | 10 |
| 4 | -72 |
| 5 | 406 |
| 6 | 9 |
| 7 | 0.56 |
| 8 | 0.15, 20%,  , 0.3, |
| 9 |  |
| 10 | 12.45 |
| 11 |  |
| 12 | 0.12 |
| 13 |  |
| 14 | 78 kg |
| 15 | 5% |
| 16 | 2.28 |

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| Multiple Choice | |
| 1 | A |
| 2 | D |
| 3 | C |
| 4 | A |
| 5 | B |
| 6 | B |
| 7 | C |
| 8 | B |
| 9 | D |
| 10 | B |
| 11 | C |
| 12 | A |
| 13 | B |
| 14 | D |
| 15 | A |
| 16 | C |