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| Year 9 | | *Basic Number Skills* | Non Calculator |
| **Skills and Knowledge Assessed:**   * Carry out the four operations with rational numbers and integers, using efficient mental and written  strategies and appropriate digital technologies (ACMNA183) * Investigate terminating and recurring decimals (ACMNA184) * Solve problems involving the use of percentages, including percentage increases and decreases, with  and without digital technologies (ACMNA187) | | | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  | | | |
| Write all working and answers in the spaces provided on this test paper. | | | |
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|  | ……………………………………………………………………………………………………………  …………………………………………………………………………………………………………… | | |
|  | Find 45% of $240.  ……………………………………………………………………………………………………………  ………………………………………………………………………………………………………… | | |
|  | In a car park there are 56 vehicles and  of them are sedans.  How many sedans are there in the car park?  ……………………………………………………………………………………………………………  …………………………………………………………………………………………………………… | | |
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|  | There are 26 boys in a group of 40 football fans travelling to a match on a bus.  What percentage of the fans are girls?  ……………………………………………………………………………………………………………  …………………………………………………………………………………………………………… | | |
|  | Increase 150 kg by 2%.  ……………………………………………………………………………………………………………  …………………………………………………………………………………………………………… | | |
|  | An electrical shop buys laptop computers for $250.00 and sells them for and 64% profit.  What is the selling price?  ……………………………………………………………………………………………………………  …………………………………………………………………………………………………………… | | |
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|  | ……………………………………………………………………………………………………………  …………………………………………………………………………………………………………… | | |
|  | What decimal is equivalent to  ……………………………………………………………………………………………………………  …………………………………………………………………………………………………………… | | |
|  | An alloy is made of 65% iron, 15% chromium and 20% nickel.  If 12 kg of chromium is used in making a batch of the alloy, how much iron would be required?  ……………………………………………………………………………………………………………  …………………………………………………………………………………………………………… | | |

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| Year 9 | | *Basic Number Skills* | Calculator Allowed |
| Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Section 2Multiple Choice Section | | | |
| 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. | | | |
|  | What number goes in the box?    A. 3 B. 5 C. 7 D. 9 | | |
|  | 0.64 = ?  A.  B.  C.  D. | | |
|  | What is the place value of the 2 digit in the number 35.267?  A. Units B. Tenths C. Hundredths D. Thousandths | | |
|  | Convert the fraction  to a percentage.  A. 30% B. 45% C. 90% D. 92% | | |
|  | Write 46% as a decimal number.  A. 0.0046 B. 0.046 C. 0.46 D. 4.6 | | |
|  | What fraction is 25 minutes of an hour and forty minutes?  A.  B.  C.  D. | | |
|  | In a talent contest there are 1 500 applicants and only 30 get past the audition stage.  What percentage of the applicants get past auditions?  A. 0.5% B. 1% C. 1.5% D. 2% | | |
|  | The minimum temperatures (in oC) in Hobart over 5 days are  What was the average minimum temperature over the 5 days?  A. -2.5 B. -3 C. -3.5 D. -4 | | |
|  | Which statement is correct?  A.  B.  C.  D. | | |
|  | Denise needs 41.5 GB of portable memory space for her computer.  She buys 5 memory sticks which each have a capacity of 8.5 GB.  Which is true?  A. He will have enough space with 1 GB to spare.  B. He will have just enough space with nothing spare.  C. He will be 1 GB short of the space he needs.  D. He will be 2 GB short of the space he needs. | | |
|  | Keelan is saving  of his weekly pocket money to buy a bike.  If his weekly pocket money totals $36.00, how much does he save?  A. $22.50 B. $26.10 C. $27.00 D. $30.50 | | |
|  | Keith is the goal kicker for the Tigers Rugby League team. He had 85 shots at goal last season and was successful with 55 of them.  What percentage of his shots were successful (to the nearest whole number)?  A.  B.  C.  D. | | |
|  | Cal buys fuel at the service station at a price of 149 cents per litre. The fuel costs a total of $60.54. When he gets home, he uses his calculator to find the number of litres he bought.  Which calculation should he do?  A.  B.  C.  D. | | |
|  | Which of these statements are true?  Statement 1 :  Statement 2 :  A. Only Statement 1 is true.  B. Only Statement 2 is true.  C. Neither statement is true.  D. Both statements are true. | | |
|  | Melissa saves 35% of her pay from her weekend job for her future university fees. If she saves $49, what was her pay?  A. $120 B. $135 C. $140 D. $145 | | |
|  | 0.0329646 rounded to 2 significant figures is :  A. 0.03 B. 0.04 C. 0.032 D. 0.033 | | |
|  | Which of the fractions below is **not** equivalent to  A.  B.  C.  D. | | |
|  | Which fraction is equivalent to  A.  B.  C.  D. | | |

# Basic Number Skills

# Multiple Choice Answer Sheet

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

17. A B C D

18. A B C D

*Basic Number Skills*

# ANSWERS

|  |  |
| --- | --- |
| Section 1 ( 1 mark each) | |
|  | Working and Answers |
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| Section 2 (1 mark each) | | |
|  | Working | Answers |
|  |  | A |
|  |  | B |
|  | In 35.267 the 6 is in the hundredths place. | C |
|  |  | B |
|  | 46% = 0.46 | C |
|  |  | A |
|  |  | D |
|  |  | D |
|  |  | D |
|  |  | A |
|  |  | B |
|  |  | C |
|  | (write both in dollars) | B |
|  | Statement 1 :  Statement 2 : | A |
|  |  | C |
|  | 0.0329646 = 0.033 ( 2 sf) | D |
|  |  | C |
|  |  | A |

# Basic Number Skills

# Multiple Choice Answer Sheet

Name \_\_\_ Marking 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

17. A B C D

18. A B C D