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| Year  7 | Mathematics Practice Test –  Decimals | **Non Calculator Practice Test** |
|  | Name |  |

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| 1. | What decimal indicates the fraction of the rectangle below which is shaded?  . is shaded. |
| 2. | Which diagram shows 0.4 of the rectangle shaded? |
| 3. | Write the decimal 0.6 as a fraction in simplest form.  0.6 = |
| 4. | Which fraction below is not the same as the decimal 0.28? |
| 5. | What is the value of the 2 digit in the number 35.267?  Units Tenths Hundredths Thousandths |
| 6. | The number 0.207 could be expressed in expanded notation as: |
| 7. | Find the value of 4.3 + 2.8. |
| 8. | 10.4 + 4.05 = ?  14.45 14.9 50.9 50.45 |
| 9. | Marnie took part in a diving competition. The six judges gave her scores out of 10, of  9.2, 7.7, 7.8, 9.3, 6.5 and 8.3.  What was her total score from the six judges? |
| 10. | Jacob is making cakes for a stall at the fete. He places into a bowl 0.25 kg of margarine, 1.6 kg of milk, 0.7 kg of eggs, 0.625 kg of sugar and 0.005 kg of salt.  What is the total mass in kg of the contents of the bowl?  kg. |
| 11. | 8.65 – 0.4 =  8.61 8.25 4.65 4.25 |
| 12. | Annie has 24.5 metres of rope on a spool and cuts off a length of 4.25 metres, to tie up her brother. How many metres of rope are left on the spool?  metres. |
| 13. | Kerry has a 2 litre bottle of fruit juice. She pours out 0.325 litres into a glass. How many litres of juice are left in the bottle?  litres. |
| 14. | Which is the correct value of ?  1.2 0.12 0.012 0.0012 |
| 15. | Complete the multiplication below:  0.35  7 |
| 16. | Andrew buys 0.6 kg of potatoes at $1.75 per kilogram. What is the cost of the potatoes?  $ |
| 17. | When 4 is divided by 0.5, the result is:  8 2 0.2 0.8 |
| 18. | Complete the division below. |
| 19. | A set of stairs has eight steps, of equal height. The stairs have a total height of 1.92 metres. How high is each step (in metres)?  metres. |
| 20. | Consider the two statements below.   1. When you multiply a number by 0.4, the result is larger than the original number. 2. When you divide a number by 0.4, the result is larger than the original number.   Which statement is true?  Statement A only is true. Both statements are true.  Statement B only is true. Neither statement is true. |
| 21. | When 0.297 is rounded correct to 2 decimal places, the result is :  0.2 0.3 0.29 0.30 |
| 22. | Round 12.378 46 correct to 3 decimal places. |
| 23. | Which fraction is the same as 0.45? |
| 24. | Which decimal is equivalent to  ?  0.375 0.38 0.125 0.275 |
| 25. | Write 0.064 as a fraction in simplest form.  0.064 = |
| 26. | Write 58.52 as a fraction in simplest form.  58.52 = |
| 27. | Write  as a decimal number.  = |
| 28. | Write  as a decimal number.  = |
| 29. | Marius finds that 0.3 of his collection of football cards are of retired players, described as “legends”. If he has 140 cards, how many cards are of legends?  are legends. |
| 30. | Julie has a collection of autographs of famous sportspeople. She says that 0.4 of her autographs are of netball players. If she has 34 netball autographs, how many autographs does she have altogether?  autographs. |
| 31. | In a dancing competition, each couple are given a score out of 10, and then their average score is found by adding their scores and dividing by the number of scores. Lydia and Kegan have the five scores below. Work out their average score.  7.5, 8.2, 9.4, 8.6, 7.3.  Average score = |
| 32. | A petrol additive at a Service Station sells for 94.4cents per litre. Marshall buys 0.6 litres of additive for his minibike. What is the cost of the additive in dollars and cents, rounded to the nearest cent?  $ |
| 33. | Arrange the following decimals in ascending order ( smallest to largest).  0.2, 0.002, 0.5, 0.25, 0.52, 0.205. |
| 34. | Arrange the following decimals in descending order (largest to smallest).  1.3, 3.001, 3.1, 1.03, 13, 1.31 |
| 35. | What is the decimal number represented by the arrow on the number line below? |