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| Year | Mathematics Test  Fractions | **Non Calculator**  **Test** |
|  | Name |  |

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| **Answer all questions in the spaces provided on this test paper by**  **Writing the answer in the box provided.**  **or**  **Shading in the bubble for the correct answer from the four choices provided.**  **Show any working out on the test paper.** | |
| 1. | What fraction of the square is shaded? (Answer in simplest form.) |
| 2. | Which pair of fractions below has the same denominator but different numerators? |
| 3. | The fraction of the diagram which is shaded is : |
| 4. | Some left over tiles are shown.  What fraction of the tiles are black? |
| 5. | Shade  of the shape shown. |
| 6. | Write  as a mixed number. |
| 7. | Write  as an improper fraction. |
| 8. | Which group is in descending order? |
| 9. | Which fraction is not larger than  ? |
| 10. | Which number is smallest  ? |
| 11. | What is the reciprocal of  ? |
| 12. | What fractions are marked on the number line below? |
| 13. | Mark the position of  on the number line below. |
| 14. | Simplify the fraction . |
| 15. | Which fraction is not equivalent to ? |
| 16. | Which equation is correct? |
| 17. | Find the answer to the addition, giving your answer in simplest form; |
| 18. | Complete, giving your answer in simplest form; |
| 19. | Lucas is on a journey.  He travels  of the distance on the first day and  of the distance on the second day.  What fraction of the journey had he completed after the first 2 days? |
| 20. | Complete, giving your answer in simplest form; |
| 21. | Complete, giving your answer in simplest form; |
| 22. | Kareen has  of a metre of fabric and cuts  of a metre from this. What amount remains?    of a metre. |
| 23. |  |
| 24. | Complete, giving your answer in simplest form; |
| 25. | Complete, giving your answer in simplest form; |
| 26. |  |
| 27. | Complete, giving your answer in simplest form; |
| 28. | Complete, giving your answer in simplest form; |
| 29. | Find  of 126 m.  metres. |
| 30. | A total of 60 people are at a party. They are all parents and their children.  If  of the people are parents, how many are children?    children |
| 31. | What fraction is 25 of 60? |
| 32. | There are 50 lollies in a jar and 35 of them are jubes.      What fraction of the lollies are jubes?  Give your answer in simplest form. |
| 33. | In a group of friends,  are Reds fans,  are Blues fans and the remainder are Blacks fans.      What fraction are Blacks fans? |
| 34. | Sandra is making a cake. She mixes the liquid ingredients first. She pours 1⅔ cups of milk, ¾ of a cup of water and ½ of a cup of oil into a bowl.  How many cups of liquid does she have in the bowl?      cups. |
| 35. | Tony has 120 games on his console.  of them are sports games,  of them are war games and the rest are simulations.    How many are simulations? |

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|  | ANSWERS |  |

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| **Answer all questions in the spaces provided on this test paper by**  **Writing the answer in the box provided.**  **or**  **Shading in the bubble for the correct answer from the four choices provided.**  **Show any working out on the test paper.** | |
| 1. | What fraction of the square is shaded? (Answer in simplest form.)  3  8 |
| 2. | Which pair of fractions below has the same denominator but different numerators? |
| 3. | The fraction of the diagram which is shaded is : |
| 4. | Some left over tiles are shown..  What fraction of the tiles is black? |
| 5. | Shade  of the shape shown.  ANY NINE SECTIONS |
| 6. | Write  as a mixed number. |
| 7. | Write  as an improper fraction.  19  8 |
| 8. | Which group is in descending order? |
| 9. | Which fraction is not larger than  ? |
| 10. | Which number is smallest  ?  3  10 |
| 11. | What is the reciprocal of  ? |
| 12. | What fractions are marked on the number line below? |
| 13. | Mark the position of  on the number line below. |
| 14. | Simplify the fraction .  1  3 |
| 15. | Which fraction is not equivalent to ? |
| 16. | Which equation is correct? |
| 17. | Find the answer to the addition, giving your answer in simplest form;  7  12 |
| 18. | Complete, giving your answer in simplest form;  39  40 |
| 19. | Lucas is on a journey.  He travels  of the distance on the first day and  of the distance on the second day.  What fraction of the journey had he completed after the first 2 days?  8  15 |
| 20. | Complete, giving your answer in simplest form;  3  4 |
| 21. | Complete, giving your answer in simplest form;  9  40 |
| 22. | Kareen has  of a metre of fabric and cuts  of a metre from this. What amount remains?  1  2  of a metre. |
| 23. |  |
| 24. | Complete, giving your answer in simplest form;  9  80 |
| 25. | Complete, giving your answer in simplest form;  3  16 |
| 26. |  |
| 27. | Complete, giving your answer in simplest form;  5  24 |
| 28. | Complete, giving your answer in simplest form;  5  14 |
| 29. | Find  of 126 m.    metres. |
| 30. | A total of 60 people are at a party. They are all parents and their children.  If  of the people are parents, how many are children?    children |
| 31. | What fraction is 25 of 60?  5  12 |
| 32. | There are 50 lollies in a jar and 35 of them are jubes.  7  10  What fraction of the lollies are jubes?  Give your answer in simplest form. |
| 33. | In a group of friends,  are Reds fans,  are Blues fans and the remainder are Blacks fans.  2  15  What fraction are Blacks fans? |
| 34. | Sandra is making a cake. She mixes the liquid ingredients first. She pours 1⅔ cups of milk, ¾ of a cup of water and ½ of a cup of oil into a bowl.  How many cups of liquid does she have in the bowl?  2  11  12  cups. |
| 35. | Tony has 120 games on his console.  of them are sports games,  of them are war games and the rest are simulations.    How many are simulations? |