|  |  |  |
| --- | --- | --- |
| Year | Mathematics Test  Rational Numbers  (Fractions, Decimals and Percentages) | **Non Calculator**  **Test** |
|  | Name |  |

|  |  |
| --- | --- |
| **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 is the highest common factor of 20 and 45? |
| 2. | The lowest common multiple of 9 and 12 is :  3 9 36 108 |
| 3. | Which fraction below is not equivalent to  ? |
| 4. | What is the lowest equivalent form of the fraction  ? |
| 5. |  |
| 6. | What is the value of  in simplest form? |
| 7. | Complete the following  12  12  12 |
| 8. | Write  as an improper fraction. |
| 9. | Which of the following is the same as |
| 10. |  |
| 11. |  |
| 12. |  |
| 13. |  |
| 14. | The answer to  in simplest from is: |
| 15. |  |
| 16. |  |
| 17. |  |
| 18. |  |
| 19. | When 0.48 is subtracted from 0.979, the result is |
| 20. | 0.0141 0.141 1.41 14.1 |
| 21. | 0.016 0.16 1.6 16 |
| 22. | When 4.568 34 is rounded to the nearest tenth, the result is:  4.56 4.57 4.5 4.6 |
| 23. | The recurring decimal which follows the pattern  would be written as: |
| 24. | What simple fraction is the same as the decimal 0.24? |
| 25. | The fraction  is the same as:  0.27 0.72 0.35 0.28 |
| 26. | Which of the following is not the same as  ? |
| 27. | Write  as a percentage.  % |
| 28. | Find 70% of $340.  $ |
| 29. | Raj puts 35% of his income of $800 per week into superannuation. How much does he put into superannuation each week?  $228.50 $280.00 $437.50 $765.00 |
| 30. | Increase 350 by 8%.  $28 $356 $378 $630 |
| 31. | Steve had his wage increased by 5%. His new wage is $525.  What was his old wage?  $ |
| 32. | Which is not a correct statement about the time of ***6 hours***? |
| 33. | Rewrite the following numbers in the spaces provided, in descending order.    , , , |

|  |  |  |
| --- | --- | --- |
| Year | Mathematics Test  Rational Numbers  (Fractions, Decimals and Percentages) | **Non Calculator**  **Test** |
|  | ANSWERS |  |

|  |  |
| --- | --- |
| **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 is the highest common factor of 20 and 45?  5 |
| 2. | The lowest common multiple of 9 and 12 is :  3 9 36 108 |
| 3. | Which fraction below is not equivalent to  ? |
| 4. | What is the lowest equivalent form of the fraction  ?  4  3 |
| 5. |  |
| 6. | What is the value of  in simplest form?  2  1 |
| 7. | Complete the following  12  3  12  7  12  10 |
| 8. | Write  as an improper fraction.  3  11 |
| 9. | Which of the following is the same as |
| 10. |  |
| 11. | 15  13  2 |
| 12. |  |
| 13. |  |
| 14. | The answer to  in simplest from is: |
| 15. |  |
| 16. |  |
| 17. |  |
| 18. |  |
| 19. | When 0.48 is subtracted from 0.979, the result is  0.499 |
| 20. | 0.0141 0.141 1.41 14.1 |
| 21. | 0.016 0.16 1.6 16 |
| 22. | When 4.568 34 is rounded to the nearest tenth, the result is:  4.56 4.57 4.5 4.6 |
| 23. | The recurring decimal which follows the pattern  would be written as: |
| 24. | What simple fraction is the same as the decimal 0.24?  25  6 |
| 25. | The fraction  is the same as:  0.27 0.72 0.35 0.28 |
| 26. | Which of the following is not the same as  ? |
| 27. | Write  as a percentage.  32  % |
| 28. | Find 70% of $340.  238  $ |
| 29. | Raj puts 35% of his income of $800 per week into superannuation. How much does he put into superannuation each week?  $228.50 $280.00 $437.50 $765.00 |
| 30. | Increase 350 by 8%.  $28 $356 $378 $630 |
| 31. | Steve had his wage increased by 5%. His new wage is $525.  What was his old wage?  500  $ |
| 32. | Which is not a correct statement about the time of ***6 hours***? |
| 33. | Rewrite the following numbers in the spaces provided, in descending order.            , , , |