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| Year  8 | Mathematics Practice Test –  Equations, Inequations and Formulae | **Calculator Practice Test** |
|  | Name |  |

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| 1. | What number is missing from the sentence?  ?    54 18 16 2 |
| 2. | Part of the solution to the equation  , shown below has been smudged?    What is the missing line? |
| 3. | Give the solution to:    *m =* |
| 4. | Which is the correct solution to: |
| 5. | Give the solution to:    *c =* |
| 6. | What number is missing from the sentence?  ? |
| 7. | Which line in the solution to the equation  contains an error?    Line 1  Line 2  Line 3  Line 4  Line 1 Line 2 Line 3 Line 4 |
| 8. | Solve : |
| 9. | Solve the equation below, writing your solution as a fraction : |
| 10. | Solve the equation below, writing your answer as a mixed number: |
| 11. | What number is missing from the sentence?  ?    39 48 24 120 |
| 12. | Which line in the solution to the equation  contains an error?    Line 1  Line 2  Line 3  Line 4  Line 1 Line 2 Line 3 Line 4 |
| 13. | Solve for *y* : |
| 14. | Which is the correct solution to the equation: |
| 15. | Solve for *e* : |
| 16. | Which is the correct solution to the equation: |
| 17. | Which line in the solution to the equation  contains an error?    Line 1  Line 2  Line 3  Line 4  Line 1 Line 2 Line 3 Line 4 |
| 18. | Solve for *u* : |
| 19. | Which number below could not be used to complete the sentence?  ?    3 2 0 -1 |
| 20. | The graph of the solution to  is :    1 4     1. 4     4 7      4 7 |
| 21. | Write two numbers which could be used to make this sentence true.  ?  or |
| 22. | Which is the solution to  ? |
| 23. | Use the formula  to find the value of , when .  and . |
| 24. | Use the formula  to find the value of , when .  and . |
| 25. | The formula  is used to convert between temperatures in degrees Celsius (C) and degrees Fahrenheit (F). Find the Fahrenheit equivalent of 35o Celsius.  35o C = oF |