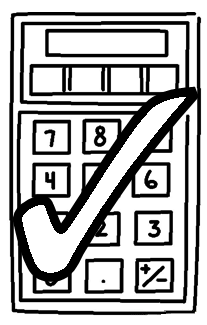
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| --- | --- | --- |
| **Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Form \_\_\_\_\_\_\_\_** | | **Overall**  **\_\_\_\_\_\_%** |
| **Section A: Skills and Multiple Choice**  **Marks\_\_\_\_\_\_\_/30 \_\_\_\_\_\_\_%** | **Section B: Problem Solving**  **Marks\_\_\_\_\_\_\_/ 14 \_\_\_\_\_\_\_%** |



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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Skills Covered** | | | | | | | | | | | |
| **Skill** | | **Topic** | | | **Skill** | | | **Topic** | | | |
| 1 | | Percentage Calculations | | | 7 | | | Solving Linear Equations | | | |
| 2 | | Ratio | | | 8 | | | Unknowns on both sides | | | |
| 3 | | Fraction Calculations | | | 9 | | | Change the subject of a formula | | | |
| 4 | | Mean, median mode and range | | | 10 | | | Factorising simple expressions | | | |
| 5 | | Expanding Single brackets | | | 11 | | | Pythagoras Theorem | | | |
| 6 | | Simplifying Algebraic Expressions with brackets | | | 12 | | | Pythagoras Theorem | | | |
|  | | | | | | | | | | | |
| **Section A: Multiple choice** | | | | | | | | | | | | |
| A. Which of these can be written as ?  Circle all the possible answers.   |  |  |  | | --- | --- | --- | |  |  | | |  | | |  | | | | | | | | | | | | | | |
| 2 marks | | | | | | | | | | | | |
| B. What is the value of tan *A* for this triangle?  2 cm  3 cm  *A*  *B*  *C*  Not drawn accurately    Circle your answer. | | | | | | | | | | | | |
| 1 mark | | | | | | | | | | | | |
| **Section A: Skills** | | | | | | | | | |
| 1. David is going to buy a cooker.  The cooker has a price of £320.  David pays a deposit of 15% of the price of the cooker.  How much money does David pay as a deposit? | | | | | | 2. Sean and Rebecca share £45 in the ratio How much more does Rebecca get than Sean? | | | |
| R A G | | | 2 marks | | | R A G | | | 3 marks |
| 3. Work out  Give your answer as a mixed number. | | | | | | 4. James records how many emails he gets a day over an 8 day period.  4 42 8 9 8 4 8 5  Calculate the mean. | | | |
| R A G | | | 3 marks | | | R A G | | | 2 marks |
| 5. Expand | | | | | | 6. Expand and simplify | | | |
| R A G | | | 2 marks | | | R A G | | | 3 marks |
| 7. Solve | | | | | | 8. Solve | | | | |
| R A G | | | 2 marks | | | R A G | | | 3 marks | |
| 9. Rearrange to make the subject. | | | | | | 10. Factorise | | | | |
| R A G | | | 2 marks | | | R A G | | | 1 mark | |
| 11. Work out the length *y*.  11 cm  18 cm  22 cm  cm  15 cm | | | | | | 12. Work out the length *x*. | | | | |
| R A G | | | 2 marks | | | R A G | | | 2 marks | |

|  |  |
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| **Section B – Problems** | |
| 1. A box contains 192 pens,  They are red, green or blue.  A quarter of the pens are red.  The ratio green pens : blue pens = 1 : 8  How many blue pens are there? | |
|  | 4 marks |
| 2. 600 people visit a cinema.  go to screen 1.  40% go to screen 2.  The rest go to screen 3.  How many people go to screen 3? | |
|  | 4 marks |

|  |  |  |
| --- | --- | --- |
| 3. In a sale all items are reduced by 30%  On the final day the **sale prices** are reduced by 20%  Work out the **final day** price of a sofa that was priced at £290 before the sale started. | | |
|  | 3 marks | |
| 4. One kilogram of cheese costs £5.60.  Jane buys 200 g of cheese.  Work out how much Jane pays. | | |
|  | | 3 marks |