## Homework 9

Where a question asks you to show working a correct answer will only be awarded a mark for a correct WRITTEN method. The method you use is more important than the actual answer in helping you to progress in maths.
Due in:

| 1. Use your calculator to work <br> out the following to 2dp. <br> $\sqrt[3]{350}$ | 3. By rounding each number to <br> 1sf, estimate the answer to |
| :--- | :--- |
|  | $0.00463 \times 5.293$ |
| 2. Calculate $299 \times 48$ (show <br> working) | 4. 108우 is used in a pie chart to <br> represent 12 people. How <br> many people were there <br> altogether? |


| 5. Find the nth term for the following sequence $3,3.5,4,4.5,5, \ldots$ | 8. The point $(2,6)$ is rotated $180^{\circ}$ anticlockwise about the point $(0,0)$. What are the coordinates of the transformed point? |
| :---: | :---: |
| 6. Solve the equation | 9. Work out |
| $6 x+4=100-2 x$ | $9+(-8)^{2} \div 2-3^{2}$ |
| 7. If $x=4, y=9$ and $z=13$ work out | 10. What are the 2 square roots of 16 ? |
| $x+3 y^{2} z$ |  |


| 11. Calculate the values of a <br> and $x$. | 14. A fair 20 sided dice is <br> rolled 1000 times. How many <br> times would you expect to roll <br> a multiple of $6 ?$ |
| :--- | :--- |


| 17. Which point is not on the line $y=5 x-6$ ? Circle your answer. $(1,-11) \quad(2,4) \quad(0,-1)$ | 19. Find the area of this shape. |
| :---: | :---: |
| 18. Share $£ 105$ in the ratio 7:2:2:4 | 20. Find the mean from this frequency table |
|  | X 11 12 13 14 |
|  | f 3 5 1 1 |

## Total:

