

Homework 7 Extension

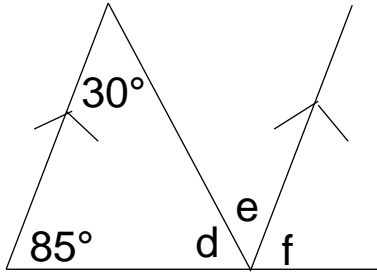
Where a question asks you to show working a correct answer will only be awarded a mark for a correct WRITTEN method. The method you use is more important than the actual answer in helping you to progress in maths.

Due in:

<p>1. Use your calculator to work out the following to 1dp</p> $\sqrt[4]{120}$	<p>3. By rounding each number to 1sf, estimate the answer to:</p> 7.238×125.5413
<p>2. Calculate $1898 + 32 + 532$ (show working)</p>	<p>4. 30° is used in a pie chart to represent 5 people. How many people were there altogether?</p>

<p>5. Find the nth term for the sequence</p> <p style="text-align: center;">-6, -3, 0, 3, 6...</p>	<p>8. The point (0,9) is rotated 90° clockwise about the point (0,0). What are the coordinates of the transformed point?</p>
<p>6. Solve the equation</p> $10x - 12 = 48 - 2x$	<p>9. Work out</p> $\frac{-100}{25} - 3 \times -9$
<p>7. If $x = 3$, $y = 9$ and $z = 5$ work out</p> $\frac{y}{x^2} + \frac{1}{2}z$	<p>10. Use the formula $F = 1.8c + 32$ to convert -148°F into Celsius.</p>

11. Calculate the missing angles.



14. A dice is rolled 258 times. How many times would you expect to get an **odd prime** number?

12. Find the size of each exterior angle on a regular decagon.

15. Find 15% of 70.

13. A coin is flipped and a dice is rolled. Draw a sample space diagram showing all the possible outcomes.

16. $\frac{4}{5}$ of a number is 16. What is the number?

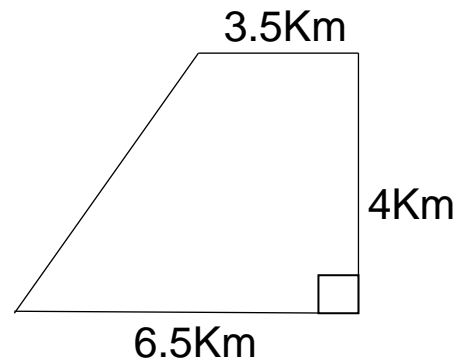
17. Which line is the rule for the x axis? Circle your answer.

$$y = x$$

$$y = 0$$

$$x = 0$$

19. Find the area of this shape.



18. Share £117 in the ratio 5:2:6

20. Find the mean from this frequency table

x	1	2	3	4
f	5	2	1	2

Total:

