

Homework 5 Extension

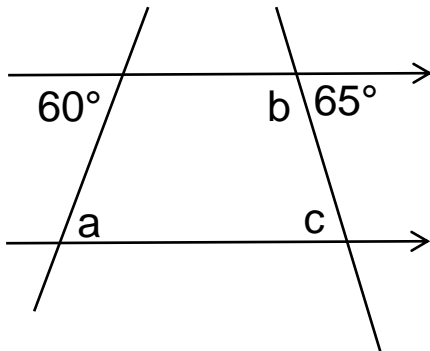
Where a question asks you to show working a correct answer will only be awarded a mark for a correct WRITTEN method. The method you use is more important than the actual answer in helping you to progress in maths.

Due in:

<p>1. Work out</p> $\sqrt[4]{81}$	<p>3. Round 0.00009893 to 1 significant figure</p>
<p>2. Calculate 81×43 (show working)</p>	<p>4. 7 out of 10 students got full marks in their test. Calculate the angle you would use in a pie chart.</p>

<p>5. Find the nth term for the sequence</p> $30, 27, 24, 21 \dots$	<p>8. The point $(-4, 8)$ is reflected in the x axis. What are the coordinates of the transformed point?</p>
<p>6. Solve the equation</p> $8x - 12 = 5x + 15$	<p>9. Work out</p> $6 - 3 \times -2 - -10$
<p>7. If $x = 10$ and $y = 9$, work out</p> $x(x + 2y)$	<p>10. Use the formula</p> $F = 1.8C + 32$ <p>to convert -10°C into Fahrenheit.</p>

11. Calculate the missing angles.



14. There are 10 counters in a box. A counter is chosen at random and replaced 100 times, the results are 58 blue and 52 red. How many of each colour do you think there are in the box?

12. Find the size of each interior angle in a regular octagon.

15. Find 95% of 160.

13. A diamond is chosen from a pack of cards; then another card is chosen at random. Find the probability of choosing another diamond.

16. Find $\frac{1}{9}$ of $\frac{3}{4}$ of 24

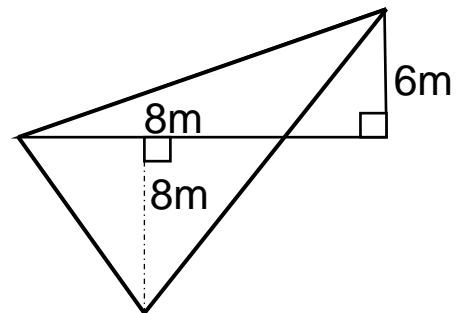
17. Which two lines have the same y intercept? Circle your answers.

$$y = 6$$

$$y = x + 6$$

$$x = 6$$

19. Find the area of this shape.



18. Share £56 in the ratio 1:3:4

20. Find the median of these numbers.

3, 7, 2, 9, 4, 7, 3, 7, 5, 2

Total:

