

Homework 4 Extension

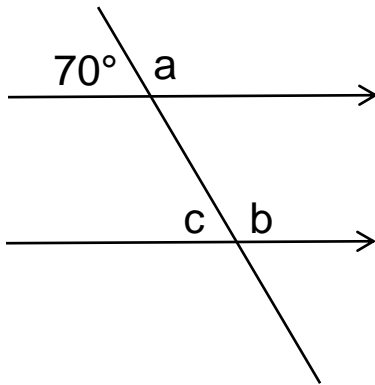
Where a question asks you to show working a correct answer will only be awarded a mark for a correct WRITTEN method. The method you use is more important than the actual answer in helping you to progress in maths.

Due in:

<p>1. Work out</p> $3^2 + 2^3$	<p>3. Round 104 547 to 3 significant figures.</p>
<p>2. Calculate $1092 \div 42$ (show working)</p>	<p>4. 13 out of 60 people surveyed were left handed. Calculate the angle you would use in a pie chart.</p>

<p>5. Find the nth term for the sequence</p> $4, 11, 18, 25 \dots$	<p>8. The point (3, 7) is reflected in the y-axis. What are the coordinates of the transformed point?</p>
<p>6. Solve the equation</p> $4x - 4 = 2x + 10$	<p>9. Work out</p> $5 - \frac{10}{-5}$
<p>7. If $x = 4$ and $y = 5$, work out</p> $5xy + x^2$	<p>10. If $t = -2$, work out</p> $(2t)^2$

11. Calculate the missing angles



14. There are 3 red and 9 blue counters in a box. A counter is chosen and then replaced. If you did this 144 times, how many times would you expect to get a blue?

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

15. Find 45% of 240.

13. An ace is chosen from a pack of cards, another card is chosen at random. Find the probability of choosing another ace.

16. Find $\frac{1}{2}$ of $\frac{2}{3}$ of 12

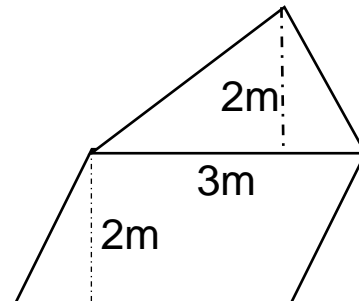
17. Which two lines have the same y intercept? Circle your answers

$$y = 3x + 5$$

$$y = 3x - 5$$

$$y = 5x + 5$$

19. Find the area of the shape



18. Share £72 in the ratio 2:7

20. Find the mean of these numbers

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

Total:

