

Homework 2 Extension

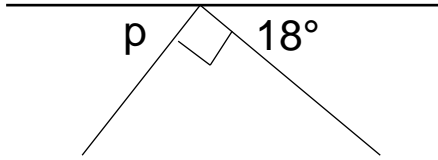
Where a question asks you to show working a correct answer will only be awarded a mark for a correct WRITTEN method. The method you use is more important than the actual answer in helping you to progress in maths.

Due in:

<p>1. Work out</p> $\sqrt{49}$	<p>3. Round 34.696 to 2 significant figures.</p>
<p>2. Calculate 52×38 (show your working)</p>	<p>4. 41 out of 120 people chose their favourite fruit as bananas. Calculate the angle you would use for bananas on a pie chart.</p>

<p>5. Find the nth term for the following sequence 1, 9, 17, 25</p>	<p>8. The point (-2, 6) is translated 2 right and 4 up. What are the coordinates of the transformed point?</p>
<p>6. Solve the equation $6x = 2x + 40$</p>	<p>9. Work out $5 + -2 - -10$</p>
<p>7. If $x = 8$ and $y = 10$, work out $\frac{5x}{y} + 1$</p>	<p>10. If $t = -4$ work out $3t^2$</p>

11. Calculate the missing angle.



14. If you roll a normal dice 120 times. How many odd numbers would you expect to get?

12. What do the angles in a pentagon add up to?

15. Find 70% of 150

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

16. Find $\frac{6}{7}$ of 56

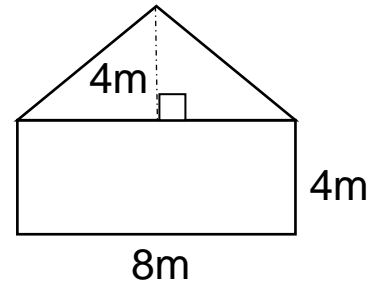
17. Which two lines are parallel? Circle your answer.

$$y = 5x - 3$$

$$y = 4x - 3$$

$$y = 5x + 4$$

19. Find the area of this shape.



18. Convert 15 cm into inches

20. Find the mean of these numbers:

3, 6, 9, 15, 21, 23

Total:

