

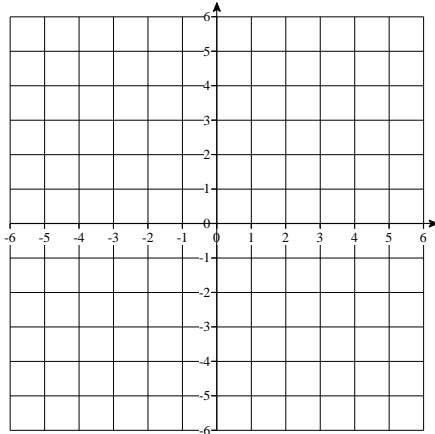
Homework 14

Where a question asks you to show working, you will only be awarded the mark for a correct answer if it is supported by an appropriate method.

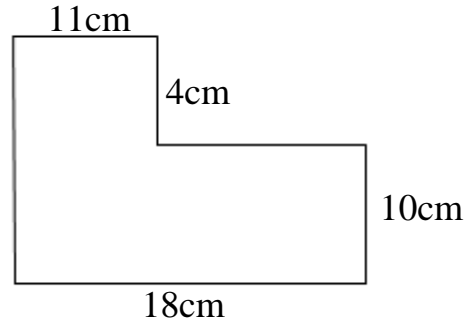
Due in:

<p>1. Circle the prime numbers and draw squares around the square numbers in the list below:</p> <p>17, 36, 40, 43, 57,</p> <p>64, 71, 123</p>	<p>3. Showing a clear written method calculate the product of 28 and 67.</p>
<p>2. Showing a clear written method divide 2360 by 5.</p>	<p>4. One fifth of Sally's pocket money is spent on sweets. She spends 70p on sweets. How much pocket money does she get?</p>

5. Draw the graph of $x=5$ on the axes below.



8. Calculate the area of the shape below:



6. Convert 7.4 kilometres into metres then centimetres.

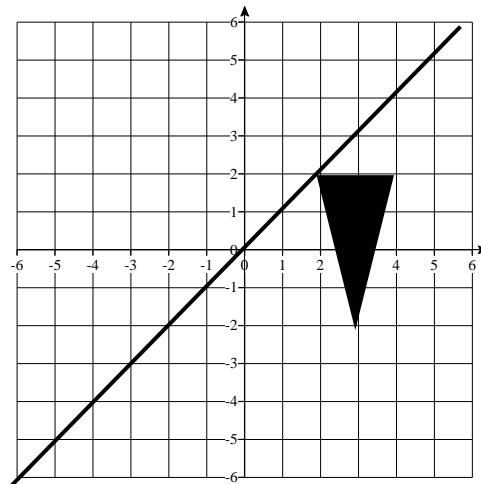
9. Write down the first five terms of the following sequence:

$$T(n) = 2n - 8$$

7. Solve the equation:

$$2(3x - 5) = 26$$

10. Reflect the shape in the mirror line shown.



<p>11. The dimensions of a cuboid are:</p> <p>Length = 7 cm Width = 10cm Height = 5 cm What is the volume of the cuboid?</p>	<p>14. Substitute the values $a = 3$, $b = -5$, $c = 2$ into the expression</p> $2a^2 + 3b - 4c$
<p>12. One of the angles in an isosceles triangle is 120°. What are the other two angles of the triangle?</p>	<p>15. The mean of a set of 4 numbers is 12. Five of the numbers are 10, 10, and 15. What is the fourth number?</p>
<p>13. Estimate the answer to</p> $\frac{9.7^2 \times 1.89}{11.38 \times 2.07}$	<p>16. Write 144 as the product of its prime factors.</p>

17. A dress is reduced by 45% in the sales. It originally cost £80. How much is it in the sale?

19. If the graph of $y = 3x + 6$ is drawn what are the coordinates of the y intercept?

18. Calculate the answer using a clear written method:

$$4.28 \times 9$$

20. A circle has a radius of 4.6 cm. What is the circumference? Give your answer to 1 decimal place.

Total:

