
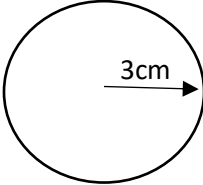


YEAR 11 HOMEWORK – 4T

Complete the questions in each box. Make sure that you show all of your workings

<p>1. Change 115 cm into metres.</p>	<p>2. $3 \times 4 - 5 \times 2$</p>
<p>3. Solve $3x = 21$</p>	<p>4. Here are four numbers.</p> <p>-5 -3 3 5</p> <p>Write one number in each box to make a correct calculation:</p> <p><input type="text"/> + <input type="text"/> = -2</p>

<p>5. Here are the first four terms of a number sequence.</p> <p>1, 2, 4, 8, ...</p> <p>Write the next 2 terms.</p>	<p>6. A theatre sells 35 tickets at £10 each and n tickets at £6 each. Write down a formula for the total cost P of the tickets</p>
<p>7. Write down the order of rotational symmetry:</p> 	<p>8. Find the area using $A = \pi r^2$</p> 
<p>9. Lesley records the number of texts she receives each day for 15 days. Draw a stem and leaf diagram:</p> <p>13, 25, 16, 35, 28, 24, 13, 6, 27, 38, 20, 2, 13, 25, 31</p>	<p>10. Write down all the factors of 15</p>

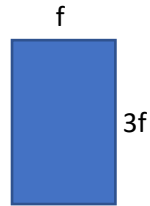
11. Simplify:
 $5k + 3k - 5$

12. Use the formula $P = b^2 + 4a$ to work out P when $b = 3$ and $a = 1$

13. Name the shape:



14. Write an expression for the perimeter

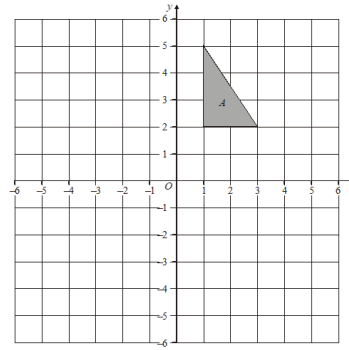


15. Complete this table of values for $y = 2x - 3$

x	-1	0	1	2	3
y					

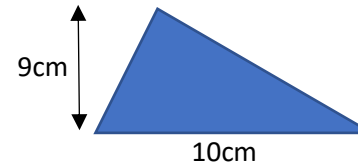
16. Bob drives at 50 km/h for 2 and a quarter hours. How far does he drive?

17. Reflect the triangle in the y axis



18. A pack of 45 cakes costs £8.10. In a different shop, a pack of 30 cakes costs £6.00. Which pack is better value?

19. Work out the area of the triangle



20. Find 15% of 42

WWW	
EBI 1	
EBI 2	