
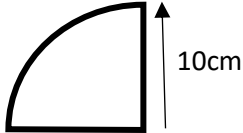


YEAR 11 HOMEWORK – 4S

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

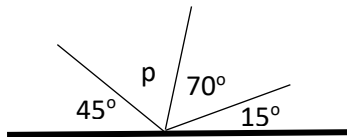
<p>1. Change 2.23 m into centimetres.</p>	<p>2. $3 \times 4 - 5 \times 2$</p>
<p>3. Solve $7p - 1 = 62$</p>	<p>4. Here are four numbers. -5 -3 3 5</p> <p>Write one number in each box to make a correct calculation:</p> <p><input type="text"/> + <input type="text"/> = -2</p>

<p>5. Write down the next 2 terms: 20, 17, 14, 11, ...</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:</p> 
<p>9. Lesley records the number of texts she receives each day for 15 days. Draw a stem and leaf diagram: 13, 25, 16, 35, 28, 24, 13, 6, 27, 38, 20, 2, 13, 25, 31</p> <p>Find the range, median and mode</p>	<p>10. Write down all the factors of 15</p>

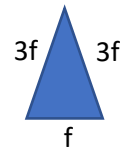
11. Simplify:
 $6xy - 9yx$

12. Use the formula $P = b^2 - 4ac$ to work out P when $a=1$ $b = 5$ and $c = 2$

13. Find angle p



14. Find f if the perimeter is 21cm



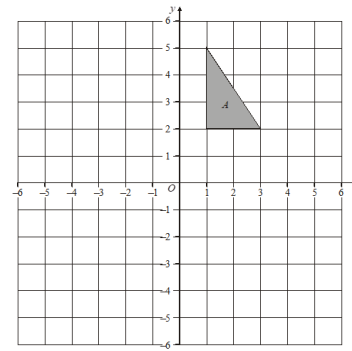
15. Complete this table of values for $y = 4x - 8$

x	-1	0	1	2	3
y					

16. Factorise:

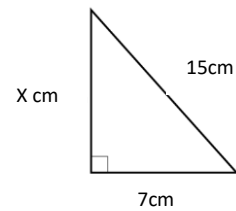
$$y^2 - 4y$$

17. Reflect the triangle in the line $y = 1$



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. Use Pythagoras theorem to find the value of a



20. The population of an island increases by 5.5 percent from 900. Calculate the new population

WWW	
EBI 1	
EBI 2	