
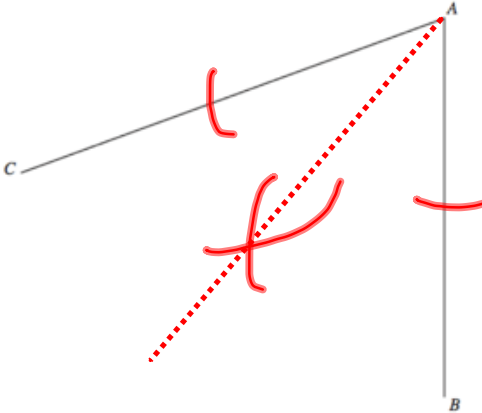
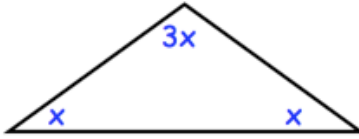



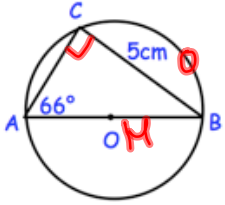
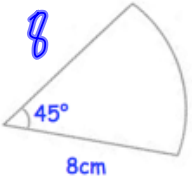
Name: \_\_\_\_\_

September 26th	5-a-day	Numeracy
What are the factors of 18? $1, 2, 3, 6, 9, 18$	Explain why 9 is not prime. $\text{divisible by } 3$	
9 8 5 8 1 2 4 Write down the mode $8$	What is the median? $1\ 2\ 4\ 5\ 8\ 8\ 9$ $5$	
 What number is shown by the arrow?	$4.53$	
Convert 6 metres into centimetres $600\text{cm}$	Convert 0.4 kilometres into metres. $400\text{m}$	
Paul is putting crayons into boxes. He puts 8 crayons in each box. How many complete boxes can he fill with 100 crayons?	$100 \div 8 = 12.5$ <u>12</u>	

Name: \_\_\_\_\_

September 26	5-a-day	Foundation
<p>Sue is painting a wall that is 28m by 2m.</p> <p>A 5 litre can of paint costs £9 Each litre of paint can cover 9m<sup>2</sup>. The shop has 20% off all paint.</p> <p><math>56 \div 9 = 6.22\dots</math></p>	<p>How much will it cost Sue to paint the wall?</p> <p>7 cans <math>7 \times 9 = \pounds 63</math> <math>63 \times 0.8 = \pounds 50.40</math></p>	
 <p>Construct the angle bisector of angle ABC.</p>		
<p>Find the size of each angle</p> <p><math>5x = 180</math> <math>x = 36^\circ</math> <math>3x = 108^\circ</math></p>		
<p>Simplify <math>5(y + 3) - 2(2y - 5)</math></p> <p><math>5y + 15 - 4y + 10</math> <math>y + 25</math></p>	<p>Solve <math>4y + 7 &lt; 55</math></p> <p><math>4y &lt; 48</math> <math>y &lt; 12</math></p>	

Name: \_\_\_\_\_

September 26	5-a-day	Higher
<p>Jill answered 62% of the questions in a test correctly. She answered 124 of the questions correctly.</p> <p>Work out the total number of questions in the test</p>	$124 \div 62 = 2$ $2 \times 100$ $200$	
<p>Work out the Lowest Common Multiple of 24 and 64.</p>	$24 = 2 \times 2 \times 2 \times 3$ $64 = 2 \times 2 \times 2 \times 2 \times 2 \times 2$  $\text{LCM: } 192$	
	<p>Find the diameter AB.</p> $H = \frac{5}{\sin 66}$ $AB = 5.473 \text{ cm}$	
<p>Solve the simultaneous equations</p> $5x + 3y = 51$ $3x + 5y = 37$	$15x + 9y = 153$ $15x + 25y = 195$ <hr/> $16y = -42$ $y = -2.625$ $x = 9$	
<p>Find the perimeter of the sector.</p> 	$\frac{45}{360} \times \pi \times 16 = 2\pi (6.283\dots)$ $16 + 6.283\dots = 22.283 \text{ cm}$ <p>or <math>16 + 2\pi \text{ cm}</math></p>	