
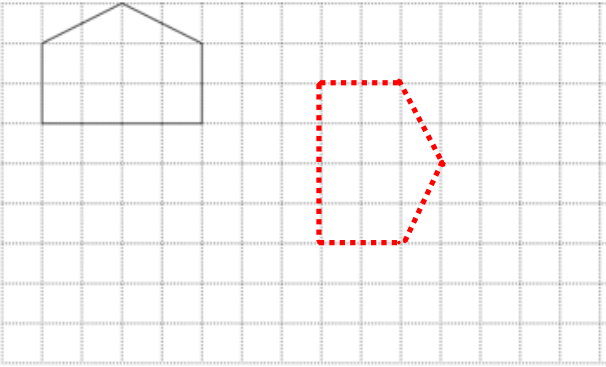



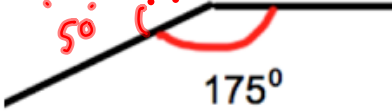
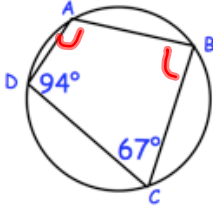
Name: \_\_\_\_\_

November 1st	5-a-day	Numeracy
<p>A minibus can hold 16 passengers.</p> <p>How many passengers can travel in 9 minibuses?</p>	$\begin{array}{r} 16 \\ \times 9 \\ \hline 144 \end{array}$	
<p>8cm</p>  <p>3cm</p>	<p>Find the perimeter of the rectangle.</p> $8 + 3 + 8 + 3 = 22\text{cm}$	
<p>Find the area of the rectangle.</p> $8 \times 3 = 24\text{cm}^2$	<p>A rectangle has an area of <math>40\text{cm}^2</math> and perimeter <math>26\text{cm}</math>.</p> <p>Find the length and width.</p> $8 \text{ by } 5$ $A = 40\text{cm}^2 \quad P = 26\text{cm}$	
 <p>Rotate the pentagon <math>90^\circ</math> clockwise anywhere on the grid.</p>		

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

November 1	5-a-day	Foundation															
<p>Work out the nth term for:</p> <p>1 4 7 10 13 ....</p> <p>3 6 9 12 15</p> <p><math>3n-2</math></p>	<p>Is 103 a term in this sequence?</p> <p><math>3n-2=103</math></p> <p><math>3n=105</math></p> <p><math>n=35</math></p> <p>yes, it is the 35<sup>th</sup> term.</p>																
<p>Shown is a parallelogram.</p> <p>Find a, b and c</p> <p><math>b=65^\circ</math></p> <p><math>a=115^\circ</math></p> <p><math>c=115^\circ</math></p>																	
<table border="1"> <thead> <tr> <th>Length</th> <th>Frequency</th> <th><math>\times</math></th> </tr> </thead> <tbody> <tr> <td><math>0 \leq L &lt; 10</math></td> <td>4</td> <td>5</td> </tr> <tr> <td><math>10 \leq L &lt; 20</math></td> <td>10</td> <td>15</td> </tr> <tr> <td><math>20 \leq L &lt; 40</math></td> <td>6</td> <td>30</td> </tr> <tr> <td></td> <td><u>20</u></td> <td></td> </tr> </tbody> </table>	Length	Frequency	$\times$	$0 \leq L < 10$	4	5	$10 \leq L < 20$	10	15	$20 \leq L < 40$	6	30		<u>20</u>		<p>Calculate the estimated mean</p> <p><math>f \times L</math></p> <p>20      <math>350 \div 20</math></p> <p>150      <math>= 17.5</math></p> <p>180</p> <p><u>350</u></p>	
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<p>A man is walking North-east</p> <p>What is his bearing of travel?</p> <p>N ↗ E</p> <p>U S</p>	<p><math>045^\circ</math></p>																
<p>Kate says 1 is the only number that is a <b>square number</b> and a <b>cube number</b>.</p> <p>Is Kate correct? <b>No</b></p>	<p>64 for example is another.</p> <p><math>8^2</math>    <math>4^3</math></p>																

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

November 1	5-a-day	Higher
<p>The length of a line is 24 centimetres, correct to the nearest centimetre.</p> <p>Write down the least possible length of the line.</p>	<p>Write down the greatest possible length of the line.</p>	<p><math>24.49 \text{ cm}</math> or <math>24.5 \text{ cm}</math></p>
<p>Shown below is an interior angle from a regular polygon.</p>  <p>Calculate the number of sides the polygon has.</p>	<p><math>360 \div 5 =</math> <math>72 \text{ sides}</math></p>	
	<p>Find angle DAB.</p> <p>Find angle ABC.</p>	<p><math>113^\circ</math> <math>86^\circ</math></p>
<p>Work out</p> $16^{1.5} + 8^0$	$(516)^3 + 1$ $4^3 + 1 = 64 + 1 = 65$	
<p>There are 10 socks in a drawer. 8 are red and 2 are black.</p> <p>Martin is going to take two socks out of drawer, one at a time.</p>	<p>What is the probability Martin selects <u>two black socks</u>?</p> $\frac{2}{10} \times \frac{1}{9} = \frac{2}{90}$ $\frac{1}{45}$	