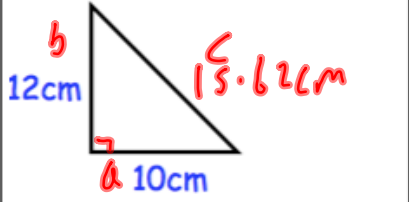
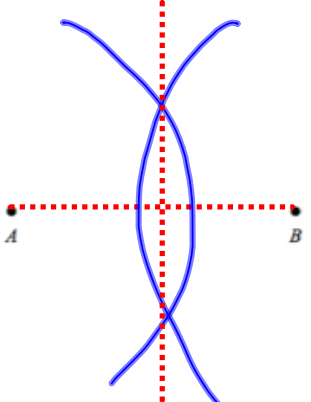


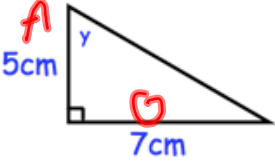
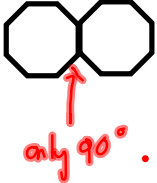
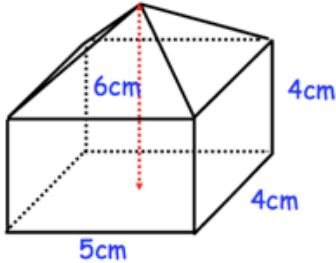
Name: \_\_\_\_\_

September 2nd	5-a-day	Numeracy														
List the first 5 multiples of 3.  <i>3, 6, 9, 12, 15</i>																
<i>4</i> <i>8</i> <i>12</i> 16 20 <i>24</i> 28  Circle the numbers in the list that are factors of 24.																
<table border="1"><tbody><tr><td>Southville</td><td>09 18</td></tr><tr><td>Leek <i>-</i></td><td>09 28</td></tr><tr><td>Milton</td><td>09 41</td></tr><tr><td>Newtown</td><td>09 49</td></tr><tr><td>Red Island</td><td>09 55</td></tr><tr><td>Sandville <i>✓</i></td><td>10 13</td></tr><tr><td>Bakerstown</td><td>10 31</td></tr></tbody></table>	Southville	09 18	Leek <i>-</i>	09 28	Milton	09 41	Newtown	09 49	Red Island	09 55	Sandville <i>✓</i>	10 13	Bakerstown	10 31	What time does the bus arrive in Sandville?  <i>10:13</i>	
Southville	09 18															
Leek <i>-</i>	09 28															
Milton	09 41															
Newtown	09 49															
Red Island	09 55															
Sandville <i>✓</i>	10 13															
Bakerstown	10 31															
	How long does the journey from Leek to Sandville last?  <i>45 mins</i>															
What is the cube root of 64?  <i>4</i>	What is 5 cubed?  <i>125</i>															

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

September 2	5-a-day	Foundation
<p>Solve <math>8w - 2 &lt; 3w + 33</math></p> $5w - 2 < 33$ $5w < 35$	$w < 7$	
<p><math>a = 3y</math> Make <math>y</math> the subject</p> $\frac{a}{3} = y$		
	<p>Calculate the perimeter</p> $a^2 + b^2 = c^2$ $10^2 + 12^2 = c^2$ $244 = c^2$ $c = 15.62$	$37.62\text{cm}$
 <p>Construct the locus of points that are equidistant from A and B</p>		

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

September 2	5-a-day	Higher
<p>Find <math>y</math></p> 	$\tan y = \frac{7}{5}$ $y = \tan^{-1}\left(\frac{7}{5}\right)$ $54.46^\circ$	
<p>Explain why regular octagons will <b>not</b> tessellate.</p> <p>each angle is <math>135^\circ</math>  <math>360 \div 135</math> is not an integer</p>		
<p>Evaluate</p> $32^{-0.4}$ $32^{-\frac{2}{5}}$	$\frac{1}{32^{\frac{2}{5}}} = \left(\frac{1}{\sqrt[5]{32}}\right)^2$ $\frac{1}{2^2} = \left(\frac{1}{4}\right)$	
 <p>Shown is a solid made from a pyramid and a cuboid.</p> <p>Find the volume of the solid.</p>	<p>Cuboid: <math>5 \times 4 \times 4 = 80 \text{ cm}^3</math>          Pyramid: <math>\frac{1}{3}(5 \times 4) \times 6 = 13.3 \text{ cm}^3</math></p>	<p>Volume <math>93.3 \text{ cm}^3</math></p>