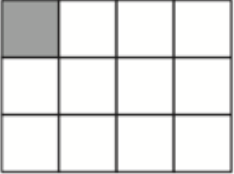

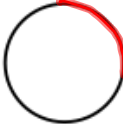


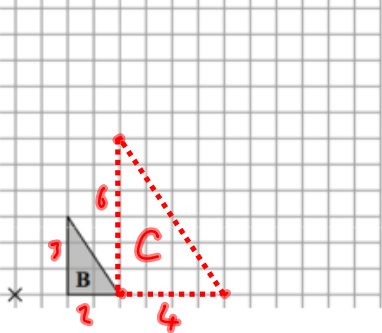
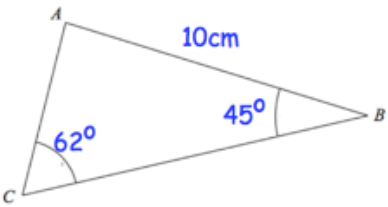
Name: _____

October 25th	5-a-day	Numeracy
Round 484 to the nearest ten. 480	Round 885 to the nearest hundred. 900	
	What fraction of the shape is shaded? $\frac{1}{12}$	
List the first 5 multiples of 9 9 18 27 36 45	List all the factors of 20. 1 2 4 5 10 20	
Write 0.13 as a fraction $\frac{13}{100}$	Write 0.13 as a percentage 13%	
Barry runs 1.5 miles every day for five days. How far does he run in total?	$\begin{array}{r} 1.5 \\ \times 5 \\ \hline 7.5 \end{array}$ miles	

Name: _____

October 25	5-a-day	Foundation														
 <p>Draw a segment</p>	 <p>Draw an arc</p>															
<p>Simplify 45:35</p> <p style="color: red;">$9:7$</p>	<p>Share £420 in the ratio 2:3</p> <p style="color: red;">$420 \div 5 = 84$</p> <p style="color: red;">$84 \times 2 = 168$</p> <p style="color: red;">$84 \times 3 = 252$</p>															
<p>Expand and simplify</p> <p>$5(x + 3) - 2(3x - 1)$</p> <p style="color: red;">$5x + 15 - 6x + 2$</p> <p style="color: red;">$-x + 17$</p>																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Cost, (£C)</th> <th style="width: 50%;">Frequency</th> </tr> </thead> <tbody> <tr> <td>$0 < C \leq 50$</td> <td>4</td> </tr> <tr> <td>$50 < C \leq 100$</td> <td>8</td> </tr> <tr> <td>$100 < C \leq 150$</td> <td>7</td> </tr> <tr> <td>$150 < C \leq 200$</td> <td>10</td> </tr> <tr> <td>$200 < C \leq 250$</td> <td>11</td> </tr> <tr> <td></td> <td style="border-top: 1px solid black;"><u>40</u></td> </tr> </tbody> </table>	Cost, (£C)	Frequency	$0 < C \leq 50$	4	$50 < C \leq 100$	8	$100 < C \leq 150$	7	$150 < C \leq 200$	10	$200 < C \leq 250$	11		<u>40</u>	<p style="color: blue;">fx</p> <p style="color: blue;">100</p> <p style="color: blue;">600</p> <p style="color: blue;">875</p> <p style="color: blue;">1750</p> <p style="color: blue;">2475</p> <p style="color: blue;"><u>5800</u></p>	
Cost, (£C)	Frequency															
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<p>Calculate an estimate for the mean for the table above.</p> <p style="color: blue;">$5800 \div 40 = \underline{\underline{145}}$</p>																

Name: _____

October 25	5-a-day	Higher
<p>Work out the size of each interior angle of a regular 24-sided polygon.</p> $360 \div 24 = 15^\circ$	$180 - 15 = 165^\circ$	
<p>Enlarge B by scale factor <u>2</u>. Label the new triangle C.</p> <p>The centre of enlargement has been marked on the grid.</p>		
<p>How many times larger is the area of C than B?</p> $B: 3\text{cm}^2$ $C: 12\text{cm}^2$ <p style="text-align: center;">4 times larger</p>		
<p>Solve</p> $2x^2 + 11x + 5 = 0$ $(2x + 1)(x + 5) = 0$ $x = -0.5 \text{ or } x = -5$	$x = -0.5$ <p style="text-align: center;">or</p> $x = -5$	
	<p>Find the length of AC.</p> $\frac{10}{\sin 62} = \frac{AC}{\sin 45}$ $AC = 8.008\text{cm}$	