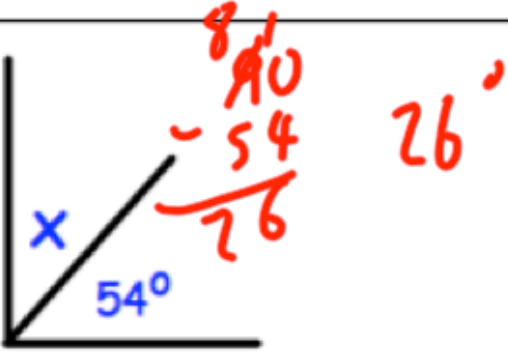
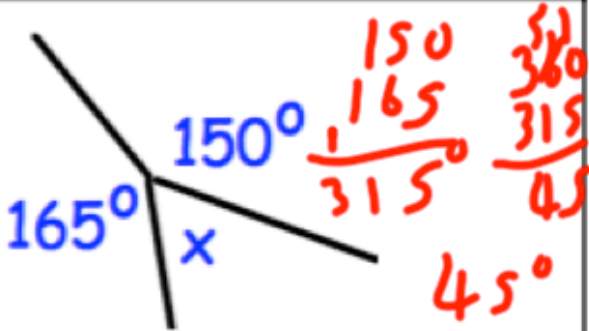
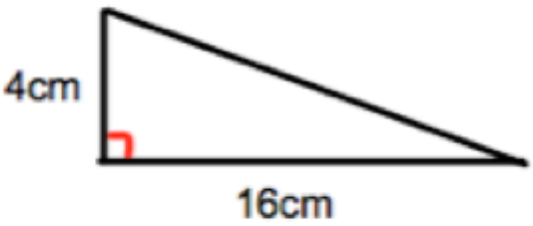


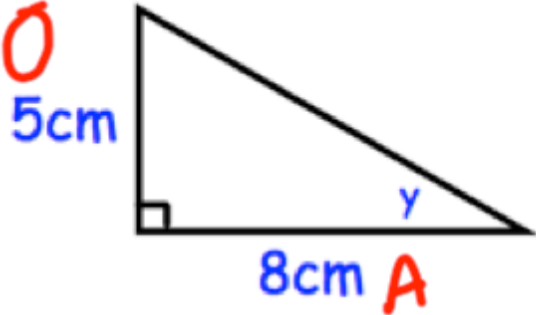



July 16th	5-a-day	Numeracy
<p>List the first 5 square numbers</p> <p>1 4 9 16 25</p>	<p>List the first 5 prime numbers</p> <p>2 3 5 7 11</p>	
<p>Calculate</p> <p>5×10^2</p> <p>5 x 100</p> <p>500</p>	<p>Calculate</p> <p>1.5×10^2</p> <p>1.5 x 100</p> <p>150</p>	
<p>Work out the product of -4 and 7</p> <p>-28</p>	<p>Work out the product of -4 and -3</p> <p>12</p>	
 <p>Handwritten calculations: $80 - 54 = 26$</p>	 <p>Handwritten calculations: $150 + 165 = 315$, $360 - 315 = 45$</p>	
<p>List 4 numbers with a median of 6 and a range of 4.</p> <p>66610</p>	<p>5570</p> <p>2666 etc.</p>	

July 16	5-a-day	Foundation
	<p>Find the area of the triangle.</p> $\frac{1}{2}(16) \times 4$ $8 \times 4 = 32 \text{ cm}^2$	
<p>Simplify $3y^2 + 2w^2 + y^2 - w^2$</p> $4y^2 + w^2$		
<p>Work out 20% of 680</p> $10\% = 68$ $20\% = 136$	<p>Write 0.36 as a fraction.</p> <p>Give your answer in its lowest term</p> $\frac{36}{100} = \frac{18}{50} = \frac{9}{25}$	
<p>A ferry leaves a port every 15 minutes, starting at 09:00</p> <p>The last ferry leaves at 16:30</p> <p>How many times does a ferry leave the port during one day?</p>		
	<p>The front of a house is in the shape of a hexagon with two right angles.</p> <p>The other four angles are all the same size.</p> <p>Calculate the size of one of these angles.</p> $720 - 180 = 540$ $\frac{540}{4} = 135^\circ$	

July 16	5-a-day	Higher						
<p>What is the size of each exterior angle of a regular 40 sided polygon?</p> $360 \div 40 = 9^\circ$	<p>What is the size of each interior angle of a regular 40 sided polygon?</p> $180 - 9 = 171^\circ$							
<p>Simplify</p> $\frac{4^3 \times 4^6}{4^2} = \frac{4^9}{4^2} = 4^7$ 	<p>Find y</p> $\tan y = \frac{5}{8}$ $y = \tan^{-1} \frac{5}{8} = 32^\circ$							
 <p>A counter is selected at random, the letter recorded and the counter is not put back into the bag. A second is then selected.</p>	<p>What is the probability that both letters are different?</p> $\left. \begin{array}{l} AC \quad \frac{3}{5} \times \frac{2}{4} = \frac{6}{20} \\ CA \quad \frac{2}{5} \times \frac{3}{4} = \frac{6}{20} \end{array} \right\} \frac{12}{20}$							
<table border="0"> <tr> <td>Year 7</td> <td>149</td> </tr> <tr> <td>Year 8</td> <td>120</td> </tr> <tr> <td>Year 9</td> <td>101</td> </tr> </table> <p>Mr Smith wants to take a stratified sample of 40 students.</p>	Year 7	149	Year 8	120	Year 9	101	<p>How many year 8 students should he select?</p> $\frac{120}{370} \times 40 = 12.972..$ <div style="border: 1px solid red; padding: 5px; display: inline-block; margin-top: 10px;">13</div>	
Year 7	149							
Year 8	120							
Year 9	101							