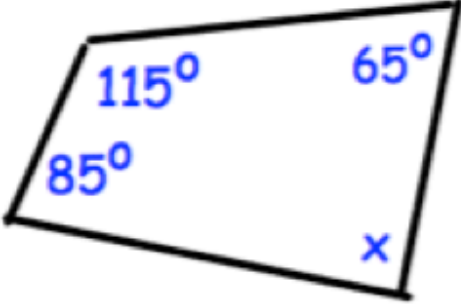
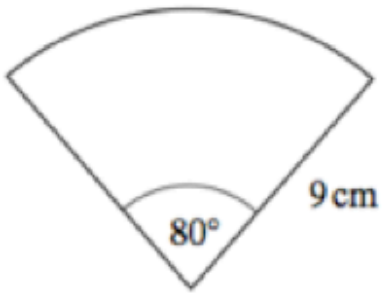
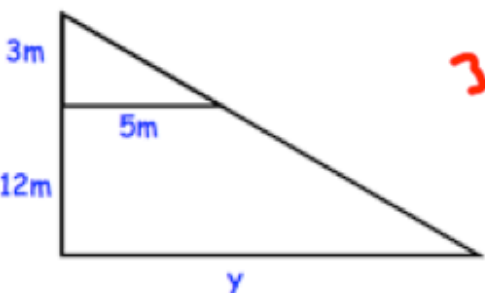
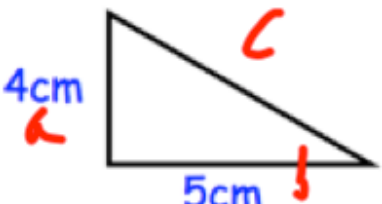


June 30th	5-a-day	Numeracy										
<p>Bradley plays a game. He has a 65% chance of winning and a 17% chance of losing.</p> <p>What is the probability that he draws the game?</p>	$\begin{array}{r} 65 \\ +17 \\ \hline 82 \end{array}$ $\begin{array}{r} 100 \\ -82 \\ \hline 18\% \end{array}$											
	<p>Find x</p> $65 + 85 + 115 = 265^\circ$ $360 - 265 = 95^\circ$											
$x + 2 = 8$ $-2 \quad -2$ $x = 6$	$4n = 20$ $\div 4 \div 4$ $n = 5$											
<table border="1" data-bbox="188 1256 1385 1417"> <tr> <td>Number</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Probability</td> <td>0.27</td> <td>0.43</td> <td>0.19</td> <td>0.11</td> </tr> </table> <p>Find the probability of a 4.</p> $0.27 + 0.43 + 0.19 = 0.89$ $1 - 0.89 = 0.11$			Number	1	2	3	4	Probability	0.27	0.43	0.19	0.11
Number	1	2	3	4								
Probability	0.27	0.43	0.19	0.11								
<p>A film starts at 4:25pm.</p> <p>It lasts 1 hour 45 minutes.</p> <p>What time does it end?</p> $6:10 \text{ pm}$	$\begin{array}{l} 4:25 \\ 5:25 \\ 6:00 \\ 6:10 \end{array} \left. \begin{array}{l} +1 \text{ hr} \\ +35 \text{ min} \\ +10 \text{ min} \end{array} \right\}$											

June 30	5-a-day	Foundation
<p>Solve</p> $5(y - 2) = 4y - 1$	$5y - 10 = 4y - 1$ $y - 10 = -1$ $y = 9$	
<p>Make u the subject of</p> $v = u - 10t$ $+10t \quad +10t$	$v + 10t = u$ $u = v + 10t$	
<p>Solve <math>y + 3 &lt; 12</math></p> $y < 9$		
	$15 + 24 = 39$	<p>Calculate the volume of this prism.</p> $v = 39 \times 10$ $= 390 \text{ cm}^3$
		<p>Calculate the area</p> $41 \text{ cm}^2$

June 30	5-a-day	Higher
<p>Three angles in a pentagon are 100 degrees each.</p> <p>With the two other angles, one is 10 degrees larger than the other.</p>	<p>Find the size of each angle.</p>	<p>Handwritten solutions for the pentagon problem:</p> $540^\circ - 300^\circ = 240$ $2x = 230$ $x = 115^\circ$ $x + 10 = 125^\circ$
<p>Factorise</p> $x^2 - 10x + 25$	<p>Factorise</p> $2x^2 + 3x - 5$	<p>Handwritten solutions for factorisation:</p> $(x - 5)(x - 5)$ $(2x + 5)(x - 1)$
	<p>Calculate the area of the sector</p>	<p>Handwritten solution for sector area:</p> $\frac{80}{360} \times \pi \times 9^2 = 18\pi$ $\approx 56.55 \text{ cm}^2$
	<p>Find y</p>	<p>Handwritten solution for finding y:</p> $y = 25 \text{ m}$
<p>Find the length of the hypotenuse. Give your answer as a surd.</p> 	<p>Handwritten solution for finding the hypotenuse:</p> $a^2 + b^2 = c^2$ $4^2 + 5^2 = c^2$ $16 + 25 = c^2$ $c^2 = 41$ $c = \sqrt{41}$	<p>Handwritten solution for finding the hypotenuse:</p> $c = \sqrt{41}$