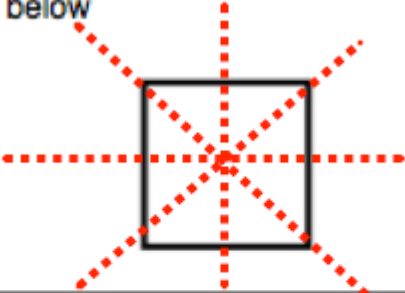
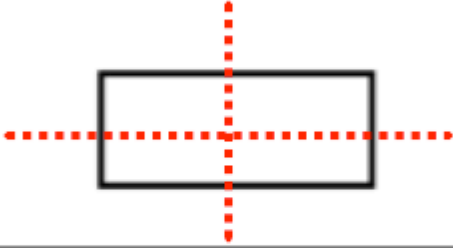
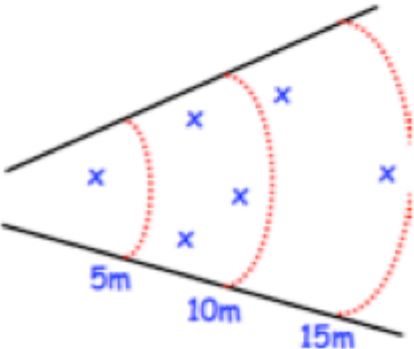
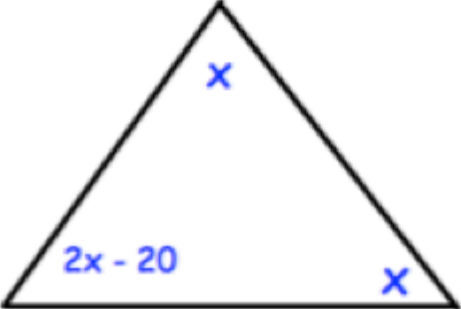

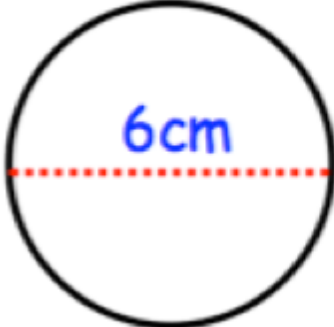
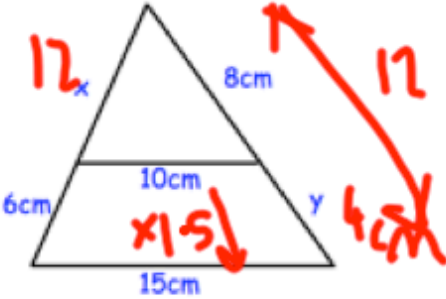

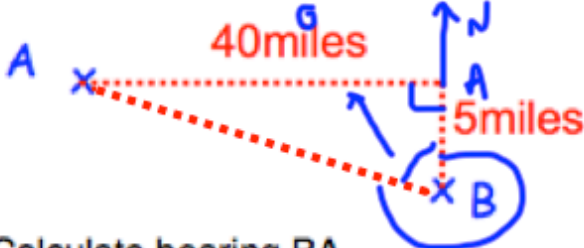


January 2nd	5-a-day	Numeracy
<p>Draw all the lines of symmetry on the square below</p> 	<p>Draw all the lines of symmetry on the rectangle below</p> 	
	<p>At a sports day, 6 students threw a javelin.</p> <p>How many throws were <b>between 10m and 15m</b>?</p> <p style="color: red; font-size: 2em;">2</p>	
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">5</div> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">6</div> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">7</div> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">8</div> </div> <p>Look at the four digit cards above.</p> <p>You can only use each card once.</p>	<p>Create the smallest possible <b>odd</b> number.</p> <div style="display: flex; justify-content: center; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center; color: red;">5</div> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center; color: red;">7</div> </div>	
<p>Add together 129 and 225.</p>	$  \begin{array}{r}  129 \\  225 \\  \hline  354  \end{array}  $	
<p>Multiply 29 by 5</p>	$  \begin{array}{r}  29 \\  \times 5 \\  \hline  145  \end{array}  $	

January 2nd	5-a-day	Foundation
$\frac{3}{4} - \frac{1}{3} = \frac{9}{12} - \frac{4}{12} = \frac{5}{12}$	$\frac{3}{4} + \frac{4}{7} = \frac{21}{28} + \frac{16}{28} = \frac{37}{28}$	<div style="border: 1px solid black; width: 20px; height: 20px; text-align: center; margin: 0 auto;">9</div>
	<p>Find the value of x</p> $4x - 20 = 180$ $4x = 200$ $x = 50$	<div style="border: 1px solid black; width: 40px; height: 40px; text-align: center; margin: 0 auto;">37</div>
	<p>What size is angle x?</p> $123^\circ$ <p>Give a reason for your answer</p> <p>corresponding angles</p>	
<p>n is an integer</p> $14 < 3n \leq 21$ <p>Write down all the solutions</p>	$4.666... < n \leq 7$ $n = 5, 6, 7$	
	<p>Calculate the circumference of this circle</p> $6 \times \pi = 18.85 \text{ cm}$	

January 2	5-a-day	Higher
<p>Solve <math>x^2 = 51 + 14x</math></p> $x^2 - 14x - 51 = 0$ $(x - 17)(x + 3) = 0$		$x = 17$ $\text{or } x = -3$
		<p>Find x and y.</p> $y = 4cm$ $x = 12cm$
		<p>Calculate the volume of the cone.</p> $V = \frac{1}{3} \pi r^2 h$ $V = \frac{1}{3} \times \pi \times 4^2 \times 10$ $= 167.55 cm^3$
 <p>Calculate bearing BA.</p>		$\tan x = \frac{40}{5}$ $\tan x = 8$ $x = 82.9^\circ$ $360 - 82.9 = 277.1^\circ$
<p>Rationalise the denominator</p> $\frac{3 + \sqrt{2}}{\sqrt{3}}$		$\frac{3\sqrt{3} + \sqrt{6}}{3}$