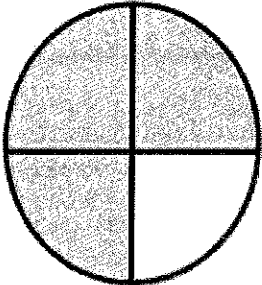
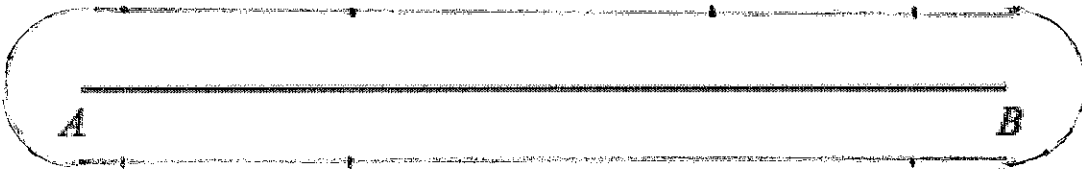


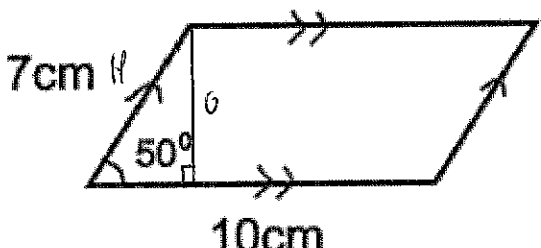
Name: _____

November 13th	5-a-day	Numeracy
<p>What fraction of the shape is shaded?</p> <p>$\frac{3}{4}$</p> <p>What percentage of the shape is shaded?</p> <p>75%</p>		
<p>What number is halfway between 7 and 8?</p> <p>7.5</p>	<p>What number is halfway between 1.4 and 1.5?</p> <p>1.45</p>	
<p>50...% of 60 = 30</p> <p>25...% of 60 = 15</p>		
<p>Simplify</p> <p>$4w + 5w + 2w$</p> <p>11w</p>	<p>Simplify</p> <p>$5 \times 3w$</p> <p>15w</p>	
<p>154×27</p> <p>4158</p>		

Name: _____

November 13	5-a-day	Foundation
<p>Solve</p> $\frac{W}{3} + 5 = 8$ $\frac{W}{3} = 3 \quad W = 9$	<p>Solve</p> $\frac{W + 5}{3} = 8$ $W + 5 = 24$ $W = 19$	
<p>Draw the locus of points that have a distance of 1cm from the line AB.</p> 		
<p>There are 4 numbers.</p> <p>The mode of the numbers is 6.</p> <p>No number in the list is greater than 6.</p> <p>The range of the numbers is 10.</p> <p>The median of the numbers is 4.</p>	<p>Find the 4 numbers.</p> $-4 \quad 5 \quad 6 \quad 6$	
<p>Bob bought a bicycle for £400 in 2012.</p> <p>Each year the bicycle loses 5% of its value.</p> <p>Find the value of the bicycle in 2014</p>	$2013: 400 \times 0.95 = \text{£}380$ $2014: 380 \times 0.95 = \underline{\text{£}361}$	

Name: _____

November 13	5-a-day	Higher
<p>Solve the simultaneous equations</p> $3x + y = 19 \quad \times 3$ $2x + 3y = 8$	$\begin{array}{r} 9x + 3y = 57 \\ 2x + 3y = 8 \\ \hline 7x = 49 \\ x = 7 \end{array}$	
<p>Solve</p> $3 < 2x + 1 < 19$ $2 < 2x < 18$ $1 < x < 9$	$21 + y = 19$ $y = -2$ <p>check</p> $14 + -6 = 8 \quad \checkmark$	
<p>Solve</p> $x^2 + x - 20 = 0$ $(x + 5)(x - 4) = 0$	$x = -5$ <p>or</p> $x = 4$	
<p>Find the area of the parallelogram.</p> 	$\sin 50 = \frac{x}{7}$ $x = 7 \sin 50$ $x = 5.3623\dots$ $\text{Area} = 5.3623\dots \times 10$ $= 53.62 \text{ cm}^2$	
<p>Circle the values which are irrational</p>	40	$\sqrt{64}$ $\sqrt{3}$ $100^{0.5}$ π