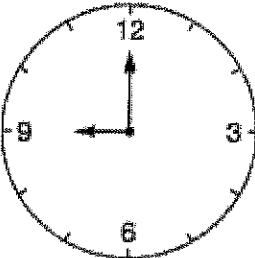
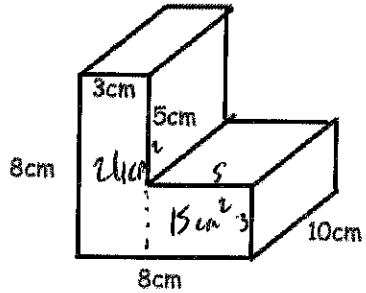
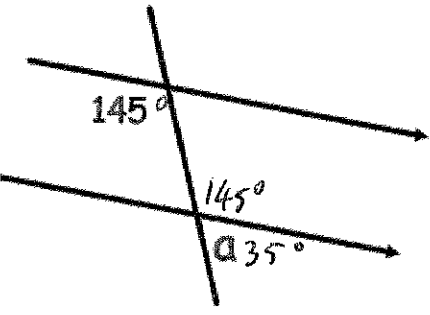


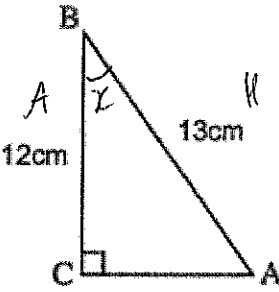
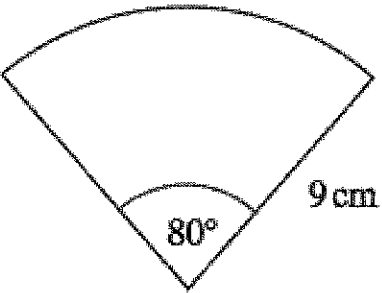
Name: _____

November 8th	5-a-day	Numeracy
<p>Work out 50% of £40</p> <p style="text-align: center;">£20</p>	<p>Work out 25% of 24cm</p> <p style="text-align: center;">6cm</p>	
 <p>A circular analog clock face with numbers 12, 3, 6, and 9. The hour hand points to 9 and the minute hand points to 12.</p>	<p>Matt arrives at school at the time shown.</p> <p>He left his house twenty five minutes earlier.</p> <p>What time did he leave?</p> <p style="text-align: center;">08:35</p>	
<p style="text-align: center;">3 6 12 24</p> <p>What is the rule for the sequence above?</p> <p style="text-align: center;"><i>Multiply the previous term by 2.</i></p>	<p>What are the next two numbers?</p> <p style="text-align: center;">48 96</p>	
<p>$\boxed{1} \boxed{4} \times 4 = \boxed{5} \boxed{6}$</p> <p style="text-align: center;"><i>or</i></p> <p>$13 \times 4 = 52$</p>		
<p>How many days are there in four consecutive years?</p> <p style="text-align: center;">1461</p>		<p style="text-align: center;">365 365 365 366</p>

Name: _____

November 8	5-a-day	Foundation
<p>Solve</p> $5(y - 2) = 4y - 8$		$5y - 10 = 4y - 8$ $y - 10 = -8$ $y = 2$
		<p>Calculate the volume of this prism.</p> $24 + 15 = 39 \text{ cm}^2$ $39 \times 10 = 390 \text{ cm}^3$
<p>Solve $3y + 2 < 20$</p> $3y < 18$ $y < 6$		
		<p>Size of a?</p> 35°
<p>Which is larger?</p> $\frac{9}{10} \quad \frac{5}{6}$		$\frac{9}{10} = \frac{27}{30} \quad \frac{5}{6} = \frac{25}{30}$ $\frac{9}{10}$

Name: _____

November 8	5-a-day	Higher
	<p>Find the size of angle ABC.</p> $\cos x = \frac{12}{13}$ $x = 22.62^\circ$	
<p>The sum of the interior angles in a polygon is 7380°.</p> <p>Calculate the number of sides the polygon has.</p>	$(n-2) \times 180 = 7380$ $n-2 = 41$ $n = 43 \text{ sides}$	
<p>Solve the simultaneous equations</p> $4x - y = 17$ $y = x - 2$ $\begin{array}{r} 4x - y = 17 \\ \text{add } -x + y = -2 \\ \hline 3x = 15 \\ x = 5 \end{array}$	$y = x - 2$ $y = 5 - 2 = 3$ <p>Check</p> $4 \times 5 - 3 = 17 \checkmark$	$x = 5$ $y = 3$
<p>Rationalise the denominator</p> $\frac{12}{\sqrt{3}} \times \frac{\sqrt{3}}{\sqrt{3}} = \frac{12\sqrt{3}}{3}$		$4\sqrt{3}$
	<p>Find the area of the sector.</p> $\frac{80}{360} \times \pi \times 9^2 = 18\pi$ 56.55 cm^2	