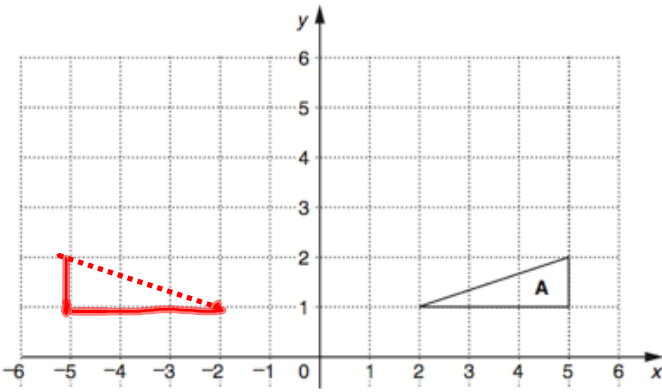
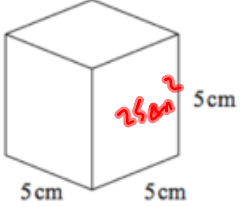
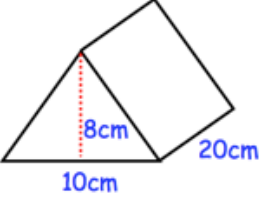


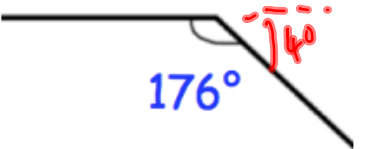
Name: \_\_\_\_\_

October 21st	5-a-day	Numeracy
List the first seven square numbers.  1, 4, 9, 16, 25, 36, 49	Write down all the factors of 30.  1, 2, 3, 5, 6, 10, 15, 30	
Mark arrives home from school at 4:10pm.  Write this time in 24 hour time.	16:10	
Convert 900 centimetres into metres.  9m	Convert 500 millimetres into centimetres.  50cm	
 <p>Reflect A in the y-axis</p>		

Name: \_\_\_\_\_

October 21	5-a-day	Foundation
<p>Simplify</p> $W^3 \times W^5$ <p style="text-align: right;"><math>W^8</math></p>	<p>Simplify</p> $W^8 \div W^2$ <p style="text-align: right;"><math>W^6</math></p>	
	<p>Calculate the surface area of this cube.</p> <p style="text-align: center;"><math>25 \times 6</math></p> <p style="text-align: center;"><math>150 \text{ cm}^2</math></p>	
<p>Calculate the volume</p> <p style="text-align: center;"><math>40 \text{ cm}^2</math></p> <p style="text-align: center;"><math>40 \times 20 = 800 \text{ cm}^3</math></p>		
<p>Expand</p> $y(3y + 2)$ <p style="text-align: center;"><math>3y^2 + 2y</math></p>	<p>Factorise</p> $x^2 - 5x$ <p style="text-align: center;"><math>x(x - 5)</math></p>	
<p>Write 102 as a product of primes. Give your answer in index form.</p> <p style="text-align: center;"><math>2 \times 3 \times 17</math></p>		

Name: \_\_\_\_\_

October 21	5-a-day	Higher
 <p>Shown is one angle from a regular polygon.</p>	How many sides does it have?	$360 \div 4 = 90$ sides
<p>A special edition packet of flour contains an extra 24%.</p> <p>The special edition packet contains 558g.</p> <p>What does the normal packet contain?</p>		$124\% = 558$ $100\% = 450$
<p>Simplify fully</p> $\frac{W}{2} \div \frac{W}{6}$		$\frac{W}{2} \times \frac{6}{W} = \frac{6W}{2W}$ $= 3$
<p>Expand fully.</p> $x(x+1)(x-2)$	$x(x^2 - x - 2)$	$x^3 - x^2 - 2x$
<p>Work out</p> $16^{1.5} \times 2^{-4}$		$16^{\frac{3}{2}} \times 2^{-4}$ $64 \times \frac{1}{2^4}$ $64 \times \frac{1}{16}$ $= 4$