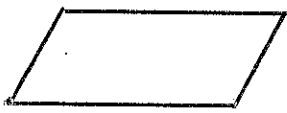

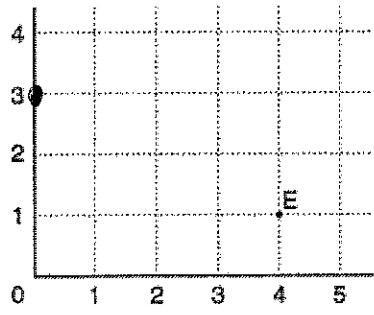




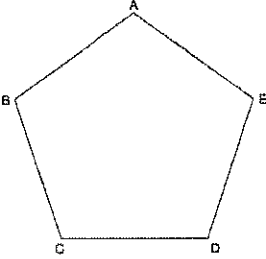
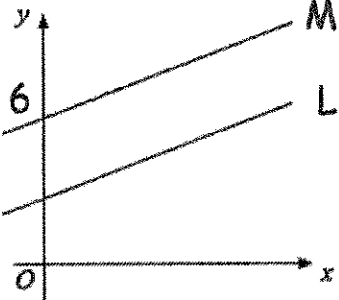
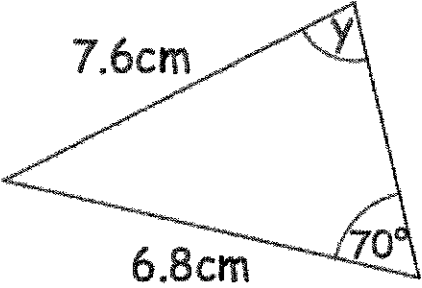
Name: \_\_\_\_\_

December 20th	5-a-day	Numeracy
<p>Draw a parallelogram</p> 	 <p>What type of triangle is shown? <i>isosceles</i></p>	
	<p>Write down the coordinates of E. <i>(4, 1)</i></p> <p>Plot the coordinate (0,3)</p>	
<p>Write down the next number in this sequence</p> <p>8 11 14 17     <u><i>20</i></u></p>	<p>Describe the rule for continuing the sequence.</p> <p><i>Add 3</i></p>	
<p><i>3</i> out of 10 is the same 30%</p>	<p>15 out of 20 is the same as <i>7.5</i>..%</p>	
<p>Simplify</p> <p><math>3a + 3a + 3a - a</math>     <i>8a</i></p>	<p>Simplify</p> <p><math>9w - 5c + w + 2c</math>     <i>10w - 3c</i></p>	

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

December 20	5-a-day	Foundation
<p>If <math>2x + y = 14</math></p> <p>What is the value of <math>4x + 2y</math>?</p> <p style="text-align: center;"><math>28</math></p>		<p>What is the value of <math>10x + 5y</math>?</p> <p style="text-align: center;"><math>70</math></p>
<p><math>6\text{cm}</math></p>  <p><math>4\text{cm}</math></p>		<p>The rectangle is enlarged by scale factor 5.</p> <p>What would the new length and width be?</p> <p style="text-align: center;"><math>30\text{cm by } 20\text{cm}</math></p>
 <p>Draw a line to represent <math>x \geq 2</math></p>		
<p>A man is walking South-east</p> <p>What is his bearing of travel?</p> <p style="text-align: center;"><math>135^\circ</math></p>		
<p>A dodecagon has 12 sides.</p> <p>Find the size of each exterior angle of a regular dodecagon</p> <p style="text-align: center;"><math>360 \div 12 = 30^\circ</math></p>		<p>Find the size of each interior angle.</p> <p style="text-align: center;"><math>150^\circ</math></p>

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

December 20	5-a-day	Higher
 <p>Shown is a regular pentagon.</p>	<p>Find angle ABC.</p> $540 \div 5 = 108^\circ$	
	<p>L has equation <math>y = \frac{1}{3}x + 2</math>  M is parallel to L and passes through (0, 6).</p> <p>Write down the equation of M.</p> $y = \frac{1}{3}x + 6$	
<p>The circumference of a circle is 40cm.</p> <p>Find the area of the circle.</p> $40 \div \pi = 12.7323\dots$ $6.366\dots \text{ cm (radius)}$		$\pi \times (6.366\dots)^2$ $= 127.324 \text{ cm}^2$
	<p>Find y.</p> $\frac{\sin y}{6.8} = \frac{\sin 70}{7.6}$ $\sin y = 0.8407\dots$ $y = 57.22^\circ$	
<p>Solve</p> $6y^2 + 17x - 39 = 0$ $(3x + 13)(2x - 3) = 0$		$3x + 13 = 0 \quad 2x - 3 = 0$ $3x = -13 \quad 2x = 3$ $x = -\frac{13}{3} \quad x = \frac{3}{2}$ $x = -4\frac{1}{3} \quad \text{or} \quad x = 1\frac{1}{2}$