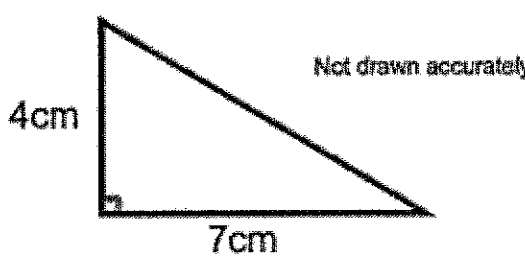
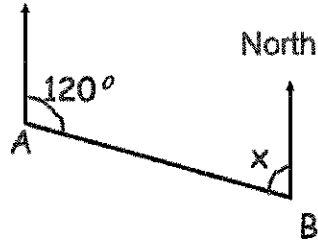
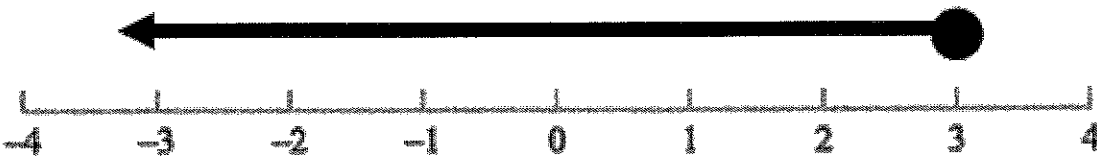
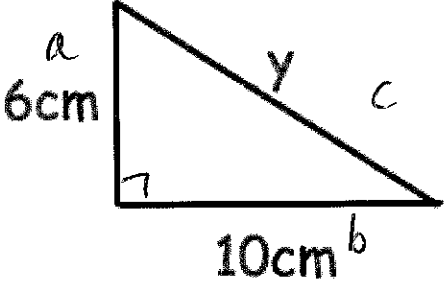


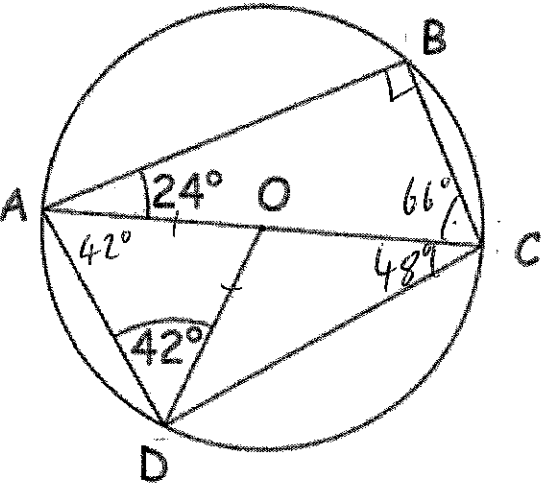
Name: _____

December 30th	5-a-day	Numeracy										
<p>129 + 272</p> $\begin{array}{r} 129 \\ + 272 \\ \hline 401 \end{array}$	<p>293 - 128</p> $\begin{array}{r} 293 \\ - 128 \\ \hline 165 \end{array}$											
<p>Write the number twelve thousand, six hundred and eight in figures.</p> <p>12,608</p>	<p>Write the number 20006 in words.</p> <p>twenty thousand and six</p>											
<table border="1"><tr><td>Southville</td><td>07 04</td></tr><tr><td>Leek</td><td>07 09</td></tr><tr><td>Jamestown</td><td>07 38</td></tr><tr><td>Lincoln</td><td>08 01</td></tr><tr><td>Gold City</td><td>08 39</td></tr></table>	Southville	07 04	Leek	07 09	Jamestown	07 38	Lincoln	08 01	Gold City	08 39	<p>How long does the train from Leek to Lincoln take?</p> <p>52 minutes</p>	
Southville	07 04											
Leek	07 09											
Jamestown	07 38											
Lincoln	08 01											
Gold City	08 39											
<p>What do you think of chemistry?</p> <p><input type="checkbox"/> Excellent</p> <p><input type="checkbox"/> Very good</p> <p><input type="checkbox"/> Good</p>	<p>Write down one thing wrong with this question.</p> <p>- There are no neutral or negative options.</p> <p>- The question is vague</p>											
 <p>4cm</p> <p>7cm</p> <p>Not drawn accurately</p>	<p>Work out the area of the triangle.</p> $\frac{1}{2}(7 \times 4)$ $\frac{1}{2}(28) = 14 \text{ cm}^2$											

Name: _____

December 30	5-a-day	Foundation
<p>Simplify</p> $x^3 + x^3$ $2x^3$	<p>Simplify</p> $y^3 \times y^3$ y^6	
<p>North</p> 	<p>What is angle x?</p> 60°	
<p>What is the bearing of B from A?</p> 120°	<p>What is the bearing of A from B?</p> 300°	
 <p>Write down the inequality shown above</p> $x \leq 3$		
<p>Find y</p> $a^2 + b^2 = c^2$ $6^2 + 10^2 = c^2$ $36 + 100 = y^2$ $y^2 = 136$ $y = 11.662 \text{ cm}$		

Name: _____

December 30	5-a-day	Higher
<p>The weight of a bag of potatoes is 18kg, correct to the nearest kg.</p> <p>Write down the smallest possible weight of the bag of potatoes.</p> <p style="text-align: center;">1.75kg</p>	<p>Write down the highest possible weight of the bag of potatoes.</p> <p style="text-align: center;">1.85kg (or 1.849kg)</p>	
<p>Rob answered 84% of the questions in a test correctly. He answered 126 of the questions correctly.</p> <p>Work out the total number of questions in the test</p>	<p>$84\% = 126$ $1\% = 1.5$ $100\% = \underline{150}$</p>	
<div style="text-align: center;">  </div> <p>O is the centre of the circle. AC is the diameter.</p>	<p>Find angle OAD.</p> <p style="text-align: center;">42°</p> <p>Find angle BCA</p> <p style="text-align: center;">66°</p>	
	<p>Find angle BCD.</p> <p style="text-align: center;">114°</p> <p>Find angle OCD.</p> <p style="text-align: center;">48°</p>	
<p>Prove $(n + 2)^2 - (n - 2)^2$ is divisible by 8.</p> <p style="text-align: center;">$n^2 + 4n + 4 - (n^2 - 4n + 4)$ $= 8n$ \therefore divisible by 8</p>		