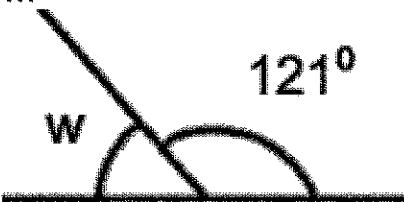
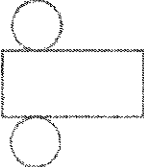

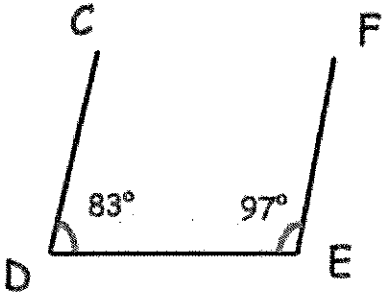


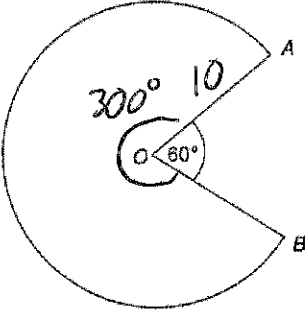
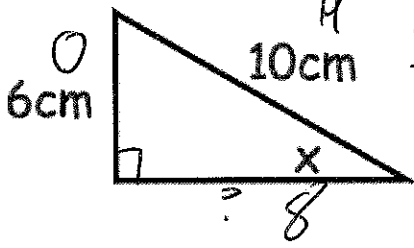
Name: \_\_\_\_\_

December 26th	5-a-day	Numeracy									
<p>39 x 12</p> $\begin{array}{r} 39 \\ \times 12 \\ \hline 78 \\ + 390 \\ \hline 468 \end{array}$	<p>128 x 3</p> $\begin{array}{r} 128 \\ \times 3 \\ \hline 384 \end{array}$										
<p>Work out 19.6 - 12.7</p> $\begin{array}{r} 19.6 \\ - 12.7 \\ \hline 6.9 \end{array}$	<p>Work out 0.3 x 0.5</p> <p>0.15</p>										
<p>Work out the size of angle marked w.</p> 	<p>180 - 121</p> <p>59°</p>										
 <p>This is the net for a 3D shape.</p> <p>Cylinder</p>	<p>Sketch the 3D shape.</p> 										
<table border="1" data-bbox="188 1675 769 1848"> <tr> <td>Sandcliff</td> <td></td> <td></td> </tr> <tr> <td>32</td> <td>Red Island</td> <td></td> </tr> <tr> <td>14</td> <td>28</td> <td>Donhampton</td> </tr> </table>	Sandcliff			32	Red Island		14	28	Donhampton	<p>Claire lives in Sandcliff and visits her friend in Red Cliff. She then drives to Donhampton to work.</p> <p>How far has she driven?</p> <p>32 + 28 = 60 miles</p>	
Sandcliff											
32	Red Island										
14	28	Donhampton									

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

December 26	5-a-day	Foundation
<p>Greg's wage is £420 a week. He receives a 5% wage rise.</p> <p>Work out Greg's new weekly wage.</p>	$10\% = \pounds 42$ $5\% = \pounds 21$ $\pounds 441$	
<p>Paula makes ham sandwiches and cheese sandwiches in the ratio 5:2. She makes 300 sandwiches altogether.</p> <p>How many ham sandwiches did she make?</p>	$301 \div 7 = 43$ $43 \times 5 = 215$ $5+2=7$	
	<p>Are CD and EF parallel lines?</p> $83 + 97 = 180^\circ$ <p><math>\therefore</math> they are co-interior angles so CD &amp; EF are <u>parallel</u>.</p>	
<p>Write 300 as a product of primes, in index form.</p>	$2^2 \times 3 \times 5^2$	
<p>Estimate</p> $\underline{109 \times 5.8}$ $0.48$	$\frac{100 \times 6}{0.5} = \frac{600}{0.5}$ $1200$	

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

December 26	5-a-day	Higher
<p>Find the nth term of</p> <p>9 13 17 21 ... ..</p> <p style="text-align: center;"><math>4n + 5</math></p>	<p>Find the 50th term.</p> <p style="text-align: center;">205</p>	
<p>Work out</p> <p style="text-align: center;"><math>2\frac{3}{4} + 3\frac{2}{3}</math></p>	<p style="text-align: center;"><math>\frac{11}{4} + \frac{11}{3}</math></p> <p style="text-align: center;"><math>\frac{33}{12} + \frac{44}{12} = \frac{77}{12}</math></p> <p style="text-align: center;"><math>6\frac{5}{12}</math></p>	
<p>Solve <math>x^2 + x = 12</math></p> <p style="text-align: center;"><math>x^2 + x - 12 = 0</math></p> <p style="text-align: center;"><math>(x+4)(x-3) = 0</math></p> <p style="text-align: center;"><math>x = -4</math> or <math>x = 3</math></p>		
	<p>Angle AOB is <math>60^\circ</math> and OA is 10cm. Find the area of the sector.</p> <p style="text-align: center;"><math>\frac{300}{360} \times \pi \times 10^2</math></p> <p style="text-align: center;"><math>261.799 \text{ cm}^2</math></p>	
 <p style="text-align: center;">Shown is a right angled triangle.</p>	<p>Find the size of <math>\cos x</math>.</p> <p style="text-align: center;"><math>\cos x = \frac{\text{Adj}}{\text{Hyp}} = \frac{8}{10}</math></p> <p style="text-align: center;"><math>\cos x = \frac{4}{5}</math></p>	<p style="text-align: center;"><math>6^2 + y^2 = 10^2</math></p> <p style="text-align: center;"><math>36 + y^2 = 100</math></p> <p style="text-align: center;"><math>y^2 = 64</math></p> <p style="text-align: center;"><math>y = 8</math></p>