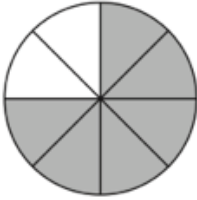
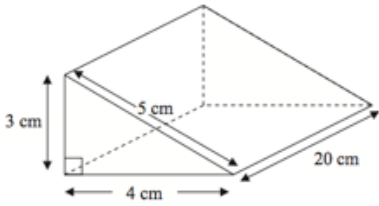
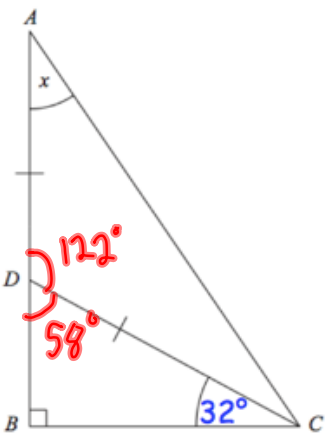


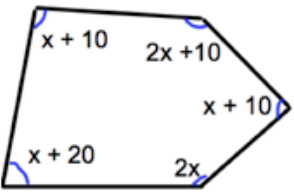
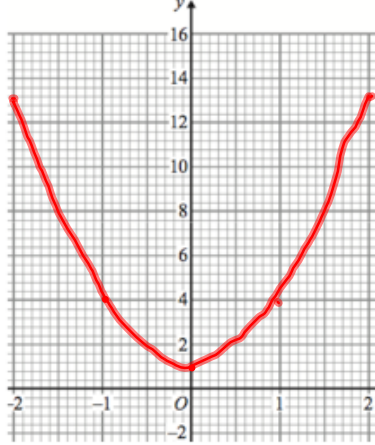
Name: _____

October 12th	5-a-day	Numeracy																
<p>What percentage of the shape is shaded?</p> <p style="text-align: center; color: red; font-size: 1.5em;">75%</p> <p>What fraction of the shape is shaded?</p> <p style="text-align: center; color: red; font-size: 1.5em;">3/4</p>																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Sandwich</th> <th style="width: 80%;">Frequency</th> </tr> </thead> <tbody> <tr> <td>Ham</td> <td>○ ○ ○ ○ ○</td> </tr> <tr> <td>Chicken</td> <td>○ ○ ○</td> </tr> <tr> <td>Egg</td> <td>○ ○ ○</td> </tr> <tr> <td>Cheese</td> <td style="color: red; font-size: 1.5em;">○○</td> </tr> <tr> <td>Tuna</td> <td>○ ○</td> </tr> </tbody> </table> <p style="text-align: right; font-size: 0.8em;">Key: ○ = 4 people</p>	Sandwich	Frequency	Ham	○ ○ ○ ○ ○	Chicken	○ ○ ○	Egg	○ ○ ○	Cheese	○○	Tuna	○ ○	<p>How many people had a chicken sandwich?</p> <p style="text-align: center; color: red; font-size: 1.5em;">12</p> <p>7 people had a cheese sandwich.</p> <p>Complete the pictogram.</p>					
Sandwich	Frequency																	
Ham	○ ○ ○ ○ ○																	
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Foxtown</td> <td colspan="3"></td> </tr> <tr> <td>52</td> <td style="width: 20%;">Sandcliff</td> <td colspan="2"></td> </tr> <tr> <td>70</td> <td style="text-align: center;">32</td> <td style="width: 20%;">Red Island</td> <td></td> </tr> <tr> <td>31</td> <td style="text-align: center; color: red; border: 1px solid red; border-radius: 50%; padding: 2px;">14</td> <td style="text-align: center;">28</td> <td style="width: 20%;">Donhampton</td> </tr> </table>	Foxtown				52	Sandcliff			70	32	Red Island		31	14	28	Donhampton	<p>Write down the distance from Sandcliff to Donhampton.</p> <p style="text-align: center; color: red; font-size: 1.5em;">14 miles</p>	
Foxtown																		
52	Sandcliff																	
70	32	Red Island																
31	14	28	Donhampton															
<p>Which two towns are the furthest apart?</p> <p style="color: red; font-size: 1.5em; text-align: center;">Foxtown & Red Island</p>	<p>Martin visits his friend and returns home. He has travelled 64 miles in total.</p> <p>Where do they live?</p> <p style="color: red; font-size: 1.5em; text-align: center;">Sandcliff & Red Island.</p>																	

Name: _____

October 12	5-a-day	Foundation
	<p>Calculate the surface area of the prism.</p> <p>$6\text{cm}^2 + 6\text{cm}^2 + 100\text{cm}^2$ $+ 60\text{cm}^2 + 80\text{cm}^2$ 252cm^2</p>	
<p>1.43 x 29</p> <p>41.47</p>		
<p>Increase 920 by 40%</p> <p>1288</p>	<p>Decrease 3900 by 3%</p> <p>3783</p>	
	<p>Increase 60 by 2.5%</p> <p>61.5</p>	
	<p>Find x.</p> <p>29°</p>	

Name: _____

October 12	5-a-day	Higher												
	<p>Find x</p> $7x + 50 = 540$ $7x = 490$ $x = 70^\circ$													
<p>Complete the table of values for $y = 3x^2 + 1$</p> <table border="1" data-bbox="227 745 609 808"> <thead> <tr> <th>x</th> <th>-2</th> <th>-1</th> <th>0</th> <th>1</th> <th>2</th> </tr> </thead> <tbody> <tr> <td>y</td> <td>13</td> <td>4</td> <td>1</td> <td>4</td> <td>13</td> </tr> </tbody> </table>	x	-2	-1	0	1	2	y	13	4	1	4	13		
x	-2	-1	0	1	2									
y	13	4	1	4	13									
<p>Simplify</p> $\frac{10m^5n^4}{2m^2n}$ $5m^3n^3$	$0 = 2x^2 - 9x - 10$ $x = 5.4$ <p>or</p> $x = -0.9$													
$\frac{5}{x+3} + \frac{4}{2x-1} = 1$ <p>Solve, giving your answers to 1 decimal place.</p> $\frac{10x - 5 + 4x + 12}{(x+3)(2x-1)} = 1$ $14x + 7 = (x+3)(2x-1)$ $14x + 7 = 2x^2 + 5x - 3$														