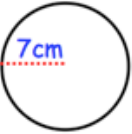



Name: _____

October 20th	5-a-day	Numeracy															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Colour</th> <th style="width: 25%;">Tally</th> <th style="width: 25%;">Frequency</th> </tr> </thead> <tbody> <tr> <td>Blue</td> <td style="text-align: center;"> 1</td> <td style="text-align: center;">6</td> </tr> <tr> <td>White</td> <td style="text-align: center;"> </td> <td></td> </tr> <tr> <td>Red</td> <td style="text-align: center;"> </td> <td style="text-align: center;">4</td> </tr> <tr> <td>Green</td> <td style="text-align: center;"> </td> <td style="text-align: center;">4</td> </tr> </tbody> </table>	Colour	Tally	Frequency	Blue	1	6	White			Red		4	Green		4	<p>Green Blue Red Green Blue Green Red Blue White Blue Red Green Blue Red Blue</p> <p>Complete the tally chart</p>	
Colour	Tally	Frequency															
Blue	1	6															
White																	
Red		4															
Green		4															
<p>Draw a bar chart from the tally chart above.</p>																	
<p>What is the least popular colour?</p> <p style="text-align: center; color: red; font-size: 1.2em;">White</p>																	
<p>Is AC a straight line?</p> <p style="color: red; font-size: 1.2em;">$62 + 119 = 181^\circ$</p> <p style="color: red; font-size: 1.2em;"><u>NO</u></p>																	
<p>List the first five square numbers.</p> <p style="color: red; font-size: 1.2em;">1 4 9 16 25</p>																	

Name: _____

October 20	5-a-day	Foundation
<p>Calculate the area of this circle.</p>  <p>A circle with a radius of 7cm. The radius is indicated by a blue line from the center to the circumference, labeled '7cm'.</p>		$\pi \times 7^2$ $= 49\pi$ $= 153.94 \text{ cm}^2$
<p>Work out $3a + 2c$ when $a = 8$ and $c = -3$</p>		
<p>A ten sided dice, numbered 1 to 10 is rolled.</p> <p>What is the probability of a 8?</p>		<p>What is the probability of a number less than 3?</p> $\frac{2}{10} = \frac{1}{5}$ <p>What is the probability of a prime number?</p> $\frac{4}{10} = \frac{2}{5}$ <p>2 3 5 7</p>
<p>A car travels 105 miles in 5 hours.</p> <p>What is its average speed?</p>		
<p>Expand and simplify</p> <p>$(y + 4)(y + 8)$</p>		

Name: _____

October 20	5-a-day	Higher
<p>Scott buys a Laptop that costs £540.50</p> <p>This price includes VAT at a rate of 17.5%.</p> <p>How much is the VAT?</p>		$117.5\% = 940.5$ $1\% = 4.6$ $17.5\% = 80.5$
$2\frac{4}{5} + 3\frac{2}{3}$ $\frac{14}{5} + \frac{11}{3}$	$\frac{42}{15} + \frac{55}{15}$	$\frac{97}{15} = 6\frac{7}{15}$
<p>Solve</p> $x^2 - 8x - 33 = 0$	$(x+3)(x-11) = 0$	$x = -3 \text{ or } x = 11$
<p>Find an expression for the area of this rectangle.</p>	$x^2 + 3x - 18$	$(x+6)(x-3)$ 
<p>D is directly proportional to P squared.</p> <p>Sketch this graph.</p>	$D \propto P^2$	