

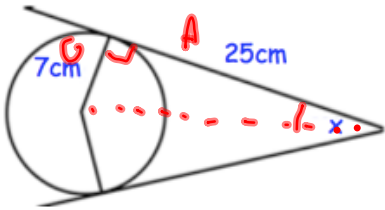
Name: _____

October 5th	5-a-day	Numeracy
Write these temperatures in order, starting with the coldest. 11°C -15°C -7°C -4°C		$-15^{\circ}\text{C}, -7^{\circ}\text{C}, -4^{\circ}\text{C},$ 11°C
Write down all the factors of 20	Write down all the multiples of 7 between 20 and 40	
$1, 2, 4, 5, 10, 20$	$21, 28, 35$	
$\frac{4}{6}$ $\frac{5}{7}$ $\frac{6}{10}$ $\frac{8}{10}$ $\frac{12}{20}$		
Write down the fractions from the list that are equivalent to $\frac{3}{5}$.		
$\frac{6}{10}, \frac{12}{20}$		
Write 93.155 to the nearest whole number.	Write 93.155 to one decimal place.	
93	93.2	
Using your calculator, work out		
$\frac{1}{0.2^2}$	0.04	25

Name: _____

October 5	5-a-day	Foundation																
Work out 0.9×10^3 900	Work out $5 \div 10^2$ 0.05																	
k is even. m is odd. Is $2k + m$, always odd, always even or either?	Tick the correct box <input checked="" type="checkbox"/> odd <input type="checkbox"/> even <input type="checkbox"/> either																	
<p>Rotate the triangle, 90 degrees anticlockwise about (0,0)</p>																		
Complete the table for $y = x^2 + 1$																		
<table border="1"><tr><td>x</td><td>-3</td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td><td>3</td></tr><tr><td>y</td><td>10</td><td>5</td><td>2</td><td>1</td><td>2</td><td>5</td><td>10</td></tr></table>			x	-3	-2	-1	0	1	2	3	y	10	5	2	1	2	5	10
x	-3	-2	-1	0	1	2	3											
y	10	5	2	1	2	5	10											

Name: _____

October 5	5-a-day	Higher
<p>Calculate the radius of a circle with area 250cm^2</p> $\pi r^2 = 250$ $r^2 = 79.577..$	$r = 8.92\text{cm}$	
<p>A dice is rolled. A coin is flipped.</p> <p>What is the probability of getting a tail and a prime number?</p>	$\frac{1}{2} \times \frac{3}{6} = \frac{3}{12} = \frac{1}{4}$	
<p>Simplify</p> $9\sqrt{35} \div 3\sqrt{5}$	$3\sqrt{7}$	
 <p>The diagram shows a circle with a radius of 7cm. A tangent line is drawn from an external point to the circle. A right-angled triangle is formed by the radius (7cm), the tangent segment (25cm), and the line from the center to the external point. The angle at the external point is marked as x.</p>	<p>Shown is a circle, two tangents and two radii. Find the size of the angle marked x.</p> $\tan^{-1} \frac{7}{25} = 15.64^\circ$ $x = 31.28^\circ$	
<p>Evaluate</p> $125^{\frac{2}{3}}$	25	