
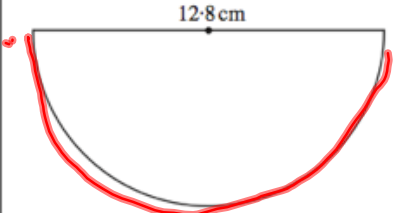


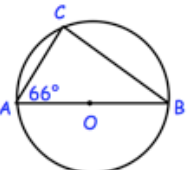
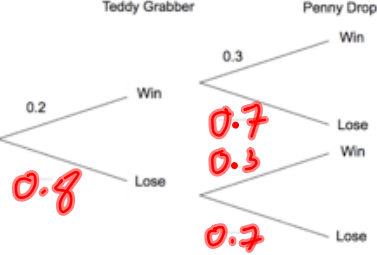
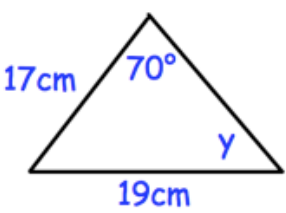
Name: _____

September 23rd	5-a-day	Numeracy
Work out the missing number. $122 + \boxed{161} = 283$		
$\frac{1}{\boxed{4}} = \frac{6}{24}$		
$\frac{1}{3}$ of 30 = $\frac{2}{3}$ of ...15...		
Write down the most suitable metric unit to measure: (a) The length of a football pitch <i>metres</i>	(b) The weight of a coin. <i>grams</i>	
Work out 3% of 600m <i>18m</i>	Work out 11% of £5 <i>55p</i>	

Name: _____

September 23	5-a-day	Foundation
Factorise $3x + 18$ $3(x+6)$	Factorise $4x^2 + 6x$ $2x(2x+3)$	
Solve $9x + 5 = 6 - 3x$ $12x + 5 = 6$ $12x = 1$ $x = \frac{1}{12}$		
	Draw the graphs $y = 4$ and $x = 6$. Write down the coordinates of the point where the two lines intersect. $(6, 4)$	
	Draw the graph $y = 2x + 1$ $\begin{array}{r l} x & 0 & 1 & 2 \\ \hline y & 1 & 3 & 5 \end{array}$	
Calculate the perimeter $(12.8 \times \pi) \div 2 = 20.106...$ $20.106... + 12.8$ $= 32.906 \text{ cm}$		

Name: _____

September 23	5-a-day	Higher
 <p>AOB is the diameter of the circle.</p>	<p>Find the size of angle ACB. 90°</p> <p>Find the size of angle ABC. 24°</p>	
<p>Teddy Grabber</p> <p>Penny Drop</p>  <p>The probability that he wins on the Teddy Grabber is 0.2.</p> <p>The probability that he wins on the Penny Drop is 0.3.</p>	<p>Complete the tree diagram</p> <p>Work out the probability Samuel wins on the Teddy Grabber and he also wins on the Penny Drop.</p> <p>$0.2 \times 0.3 = 0.06$</p>	
<p>Factorise</p> <p>$25y^2 - 9w^2$</p> <p>$(5y - 3w)(5y + 3w)$</p>		
	<p>Find y.</p> <p>$\frac{\sin 70}{19} = \frac{\sin y}{17}$</p> <p>$y = 57.22^\circ$</p>	