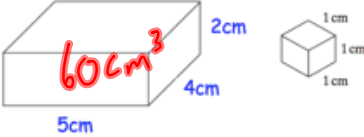
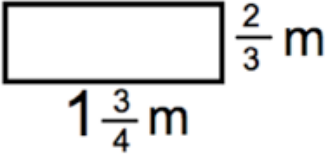
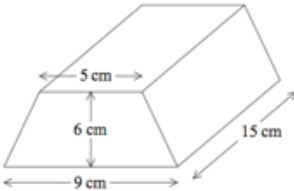


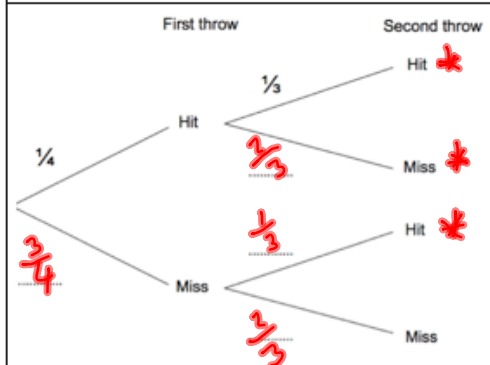
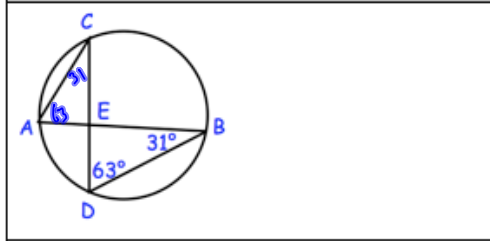
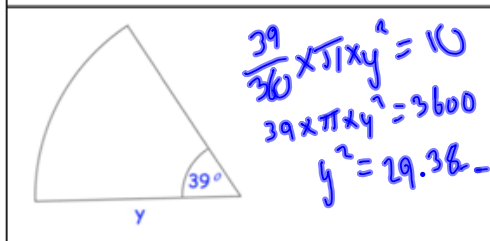
Name: _____

September 5th	5-a-day	Numeracy
$ \begin{array}{ ccc c} 4 & 7 & 6 & \square \\ 9 & 9 & 2 & \square \\ 8 & 7 & 4 & \square \\ \hline \square & \square & \square & \square \\ \end{array} $ <p>Handwritten: 17, 20, 19, 56, 21, 23, 12</p>	<p>Find the row and column totals</p>	
<p>Arrange in order, from smallest to largest</p> <p>0.9 0.88 0.079 0.109 0.91</p>		<p>Handwritten: 0.079, 0.109, 0.88, 0.9, 0.91</p>
<p>3 9 27 81</p> <p>What is the rule for carrying on the sequence?</p> <p>Handwritten: $\times 3$</p>	<p>Write down the next term in the sequence</p> <p>Handwritten: 243</p>	
<p>Simplify fully</p> $\frac{12}{18}$ <p>Handwritten: $\frac{2}{3}$</p>		
	<p>How many centimetre cubes are needed to fill the box?</p> <p>Handwritten: 60</p>	

Name: _____

September 5	5-a-day	Foundation
	Work out the area of the rectangle	$1\frac{3}{4} \times \frac{2}{3}$ $\frac{7}{4} \times \frac{2}{3} = \frac{14}{12}$ $1\frac{1}{6} \text{ m}^2$
Solve the inequality $4x + 3 > 51$		$x > 12$
Make W the subject $h = \sqrt{\frac{W}{I}}$	$h^2 = \frac{W}{I}$ $W = I h^2$	or $W = h^2 I$
	Calculate the area of the trapezium at the front of this prism	$\frac{1}{2}(5+9) \times 6$ $\frac{1}{2}(14) \times 6$ $7 \times 6 = 42 \text{ cm}^2$
	Calculate the volume of the prism	42×15 630 cm^3

Name: _____

September 5	5-a-day	Higher
<p>Complete the tree diagram.</p> 	<p>Jennifer is playing darts. She throws two darts aiming for a Bullseye. The probability Jennifer hits the Bullseye on her first throw is $\frac{1}{4}$. The probability she hits the Bullseye on her second throw is $\frac{1}{3}$.</p>	<p>Work out the probability Jennifer hits the Bullseye at least once.</p> $\frac{1}{4} + \frac{2}{4} + \frac{3}{4}$ $\frac{1}{4} = \frac{1}{4}$
	<p>Find angles ACD 31° AEC 86°</p>	
<p>Evaluate</p> $\left(\frac{49}{100}\right)^{-\frac{1}{2}}$	$\frac{10}{7}$	
 <p> $\frac{39}{360} \times \pi \times y^2 = 10$ $39 \times \pi \times y^2 = 3600$ $y^2 = 29.38$ </p>	<p>The area of the sector is 10cm^2. Find y.</p> $y = 5.42\text{cm}$	