
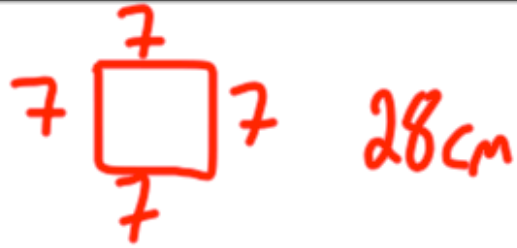
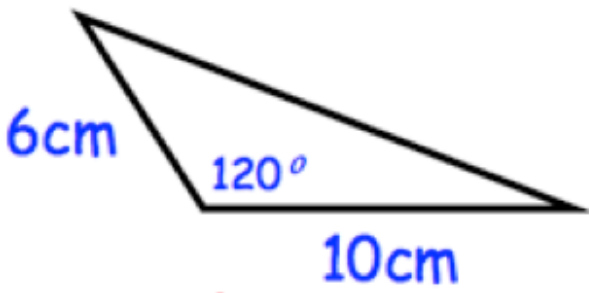
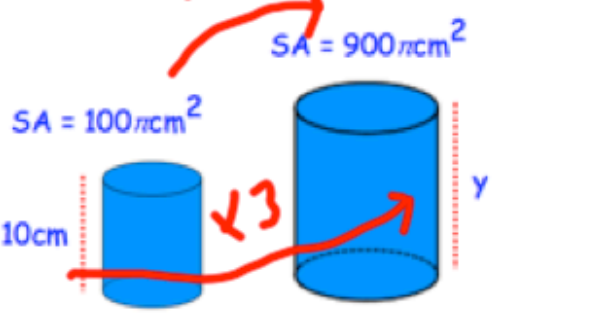


June 17th	5-a-day	Numeracy
<p>Give an event where you think the probability is certain.</p> <p>Rolling a number less than 7 on a dice.</p>		
<p>Write in digits, the number seven million</p> <p>7000000</p>		
<p>The expression in each block is found by adding the two blocks directly beneath it.</p> <p>Find the missing expressions.</p>	<pre>graph BT; B1[2x] --- M1[5x]; B2[3x] --- M1; B3[x] --- M2[4x]; M1 --- T[9x];</pre>	
<p>Simplify</p> <p>5 x 7w</p> <p>35w</p>	<p>Simplify</p> <p>2w x 3w</p> <p>6w²</p>	
<p>Work out the cube of 4</p> <p>4³ = 64</p>	<p>Work out the square of 18</p> <p>18 x 18 = 324</p>	

June 17	5-a-day	Foundation
	<p>How many smaller rectangles would fit into the larger rectangle?</p> $8 \times 4 = \underline{32}$	
<p>Find the lowest common multiple of 15 and 6</p> <p>15 30 6 12 18 24 30</p>	<p>30</p>	
<p>James throws a biased coin.</p> <p>The probability of a head is 0.21</p> <p>What is the probability of a tail?</p>	<p>The coin is flipped 200 times.</p> <p>How many times is it expected to land on heads?</p> $0.21 \times 200 = 42$	
<p>A square has area 49cm^2</p> <p>What is the perimeter?</p>		
<p>Which is larger?</p> <p>2^5 or 5^2</p>	$2 \times 2 \times 2 \times 2 \times 2 = 32$ $5 \times 5 = 25$ <p>2^5 is larger</p>	

June 17	5-a-day	Higher
<p>Work out as a decimal</p> $\frac{2.3^2}{8.2 - 1.71}$	<p>Write down your entire calculator display.</p> <p>0.8151001541</p>	
<p>Round the answer to 2 significant figures.</p>	<p>0.82</p>	
<p>Solve:</p> $\begin{aligned} x + 3y &= 11 \\ 4x - 7y &= 6 \end{aligned}$ <p>sub</p> $\begin{aligned} 4x + 12y &= 44 \\ 4x - 7y &= 6 \\ \hline 19y &= 38 \\ y &= 2 \end{aligned}$	$\begin{aligned} x + 6 &= 11 \\ x &= 5 \end{aligned}$ $y = 2$ <p>check</p> $20 - 14 = 6 \quad \checkmark$	
	<p>Calculate the area of the triangle.</p> $\frac{1}{2} \times 6 \times 10 \times \sin 120$ 25.98 cm^2	
	<p>Find y.</p> <p>Area $\times 9$</p> <p>lengths $\times \sqrt{9} \times 3$</p> <p>30cm.</p>	