

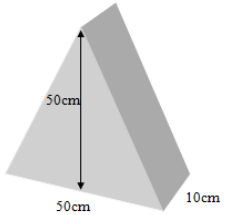
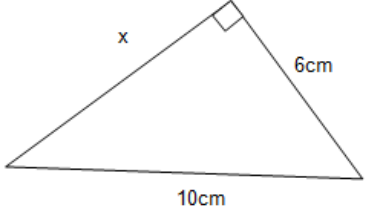


Number	Algebra	Data Handling	Shape	Random																																	
<p>Given that <math>159 \times 873 = 138807</math></p> <p>Write down the value of <math>15.9 \times 8.73 =</math></p>	<p>Simplify</p> $5(y + 3) - 4(y - 6)$	<p>What is the probability of rolling a matching pair on these normal dice?</p> 	<p>Given that <math>\pi = 3</math> calculate the area of the shape below:</p> 	$5p + 2q = 23$ $3p - 5q = -11$																																	
<p>Calculate 35% of 240.</p>	<p>Solve:</p> $3x + 6 = 28$	<table border="1"> <thead> <tr> <th>Score(x)</th> <th>Frequency</th> <th>Cumulative Frequency</th> </tr> </thead> <tbody> <tr><td><math>0 &lt; x \leq 10</math></td><td>2</td><td></td></tr> <tr><td><math>10 &lt; x \leq 20</math></td><td>3</td><td></td></tr> <tr><td><math>20 &lt; x \leq 30</math></td><td>5</td><td></td></tr> <tr><td><math>30 &lt; x \leq 40</math></td><td>15</td><td></td></tr> <tr><td><math>40 &lt; x \leq 50</math></td><td>20</td><td></td></tr> <tr><td><math>50 &lt; x \leq 60</math></td><td>15</td><td></td></tr> <tr><td><math>60 &lt; x \leq 70</math></td><td>5</td><td></td></tr> <tr><td><math>70 &lt; x \leq 80</math></td><td>8</td><td></td></tr> <tr><td><math>80 &lt; x \leq 90</math></td><td>5</td><td></td></tr> <tr><td><math>90 &lt; x \leq 100</math></td><td>2</td><td></td></tr> </tbody> </table>	Score(x)	Frequency	Cumulative Frequency	$0 < x \leq 10$	2		$10 < x \leq 20$	3		$20 < x \leq 30$	5		$30 < x \leq 40$	15		$40 < x \leq 50$	20		$50 < x \leq 60$	15		$60 < x \leq 70$	5		$70 < x \leq 80$	8		$80 < x \leq 90$	5		$90 < x \leq 100$	2		<p>Calculate the volume of the shape below:</p> 	<p>Simplify:</p> $\frac{(2 - \sqrt{3})(3 + 2\sqrt{3})}{\sqrt{27}}$
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<p>Estimate the value of:</p> $\frac{813 \times 5.12}{0.197}$	<p>What is the gradient of line C and what are the coordinates where it crosses the y-axis?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p style="text-align: center;">C</p> <math display="block">2y = 4x + 6</math> </div>	<p>Can you plot the above cumulative frequency graph?</p>	<p>Calculate the length of side x.</p> 	<p>Calculate the value of:</p> $9^{-2}$																																	
<p>Calculate the value of:</p> $4^3$	<p>Simplify:</p> $\frac{3(x + 1)^2}{x + 1}$	<p>Using your graph:</p> <p>a) Find the median score.</p> <p>b) Approximate how many score above 75%</p>	<p>A regular polygon has an exterior angle of <math>45^\circ</math>. How many sides does it have?</p>	<p>The recipe for 'Amanda's Famous Welsh Soup' is 4 potatoes, 80g of diced carrots, 250g of ham and 2 onions. It serves 4 people. How many of each ingredient is required to make the soup for 10 people?</p>																																	

