
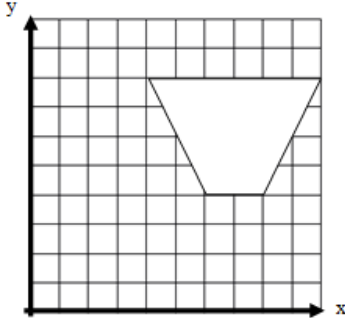



Number	Algebra	Data Handling	Shape	Random												
<p>Given that $358 \times 5767 = 2064586$</p> <p>Write down the value of 3.58×5.767</p>	<p>Simplify</p> $3(x + 4) + 2(x + 3)$	<p>What is the probability of rolling two 6's on these normal dice?</p> 		<p>Share £60 in the ratio 2:3:5</p>												
<p>Express, in its prime factors the number 60.</p>	<p>Make x the subject of:</p> $y = \frac{7x - 5}{2}$	<p>35, 42, 33, 55, 63, 29, 37, 48, 43, 51</p> <p>Represent this information in a stem and leaf diagram.</p>	<p>On the diagram above enlarge the trapezium by scale factor $\frac{1}{4}$ from the origin.</p>	<p>Calculate the value of:</p> $64^{-\frac{2}{3}}$												
<p>Calculate the value of:</p> 3^2	<p>Solve simultaneously:</p> $\begin{aligned} 3x - 3y &= 24 \\ x - 2y &= 9 \end{aligned}$	<table border="1" data-bbox="922 842 1310 1070"> <thead> <tr> <th>Time taken (<i>m</i> minutes)</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>$0 < m \leq 10$</td> <td>3</td> </tr> <tr> <td>$10 < m \leq 20$</td> <td>8</td> </tr> <tr> <td>$20 < m \leq 30$</td> <td>11</td> </tr> <tr> <td>$30 < m \leq 40$</td> <td>9</td> </tr> <tr> <td>$40 < m \leq 50$</td> <td>9</td> </tr> </tbody> </table> <p>Calculate the mean from the data above.</p>	Time taken (<i>m</i> minutes)	Frequency	$0 < m \leq 10$	3	$10 < m \leq 20$	8	$20 < m \leq 30$	11	$30 < m \leq 40$	9	$40 < m \leq 50$	9	<p>Calculate the area of the shape below (use $\pi = 3$)</p> 	<p>Find the midpoint of the coordinates (6,-5) and (8,6)</p>
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$3\frac{2}{5} + 2\frac{6}{7}$	<p>What is the gradient of line A?</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>A</p> $y = 2x + 6$ </div>	<p>State the Modal class from the data above.</p> <p>Which class does the median fall in?</p>	<p>Mike reckons that 2.5m^3 is the same as 250cm^3. Is he correct?</p> <p>Explain your answer.</p>	$\begin{aligned} 5p + 2q &= 23 \\ 3p - 5q &= -11 \end{aligned}$												