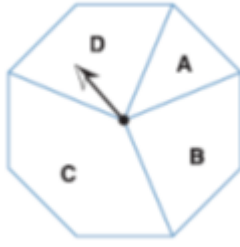
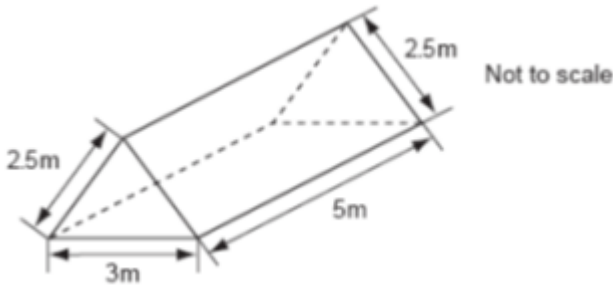
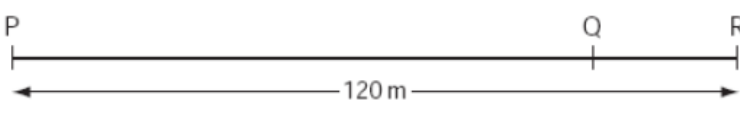


<p>1. Prime Factors (2)</p> <p>Write 2009 as a product of its prime factors.</p>	<p>2. Ratio/Rates (1)</p> <p>An acceptable amount of water pollution is less than 1000 bacteria per 100mL of water. Which one of the following levels is acceptable?</p> <p><input type="radio"/> 500 bacteria per 40 ml of water</p> <p><input type="radio"/> 900 bacteria per 80 ml of water</p> <p><input type="radio"/> 1500 bacteria per 160 ml of water</p> <p><input type="radio"/> 2000 bacteria per 180 ml of water</p>	<p>3. Number (2)</p> <p>A prize of \$5934 is to be shared between 15 people. How much does each person get?</p> <p>Show the calculation you did on your calculator.</p>	
<p>4. Probability (1)</p> <p>A spinner is made of a regular octagon and an arrow. After 160 spins, what is the expected number of times the arrow will point to section A?</p> 	<p>5. Statistics (3) - show your working for the mean and median</p> <p>This list shows the number of films nine friends watched last month.</p> <table border="1" data-bbox="670 750 1460 817"> <tr> <td>Number of films watched</td> <td>0, 1, 2, 2, 3, 4, 5, 5, 5</td> </tr> </table> <p>Which of the following is true for this data?</p> <p><input type="radio"/> mean > median = mode</p> <p><input type="radio"/> mean < median < mode</p> <p><input type="radio"/> mean = median = mode</p> <p><input type="radio"/> mean = median < mode</p>	Number of films watched	0, 1, 2, 2, 3, 4, 5, 5, 5
Number of films watched	0, 1, 2, 2, 3, 4, 5, 5, 5		
<p>6. Area (2)</p> <p>This solid triangular prism needs all its faces painted. The triangular faces have an area of 3 m².</p>  <p>What is the total area to be painted? Show your working to find the area of the other three faces.</p>	<p>7. Order of Operation (1)</p> <p>What is the best estimate of</p> <p>16 x 34 + 68 - 91</p> <p><input type="radio"/> 10 x 30 + 60 - 90</p> <p><input type="radio"/> 10 x 30 + 70 - 90</p> <p><input type="radio"/> 20 x 30 + 70 - 90</p> <p><input type="radio"/> 20 x 40 + 70 - 100</p>		
<p>8. Substitution (1)</p> <p>If $y = 6 - 4x$</p> <p>then what is the value of y if $x = 3.75$</p>	<p>9. Reading Scales (1)</p>  <p>The distance from P to Q is four times the distance from Q to R.</p> <p>What is the distance from Q to R?</p>		