






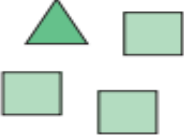




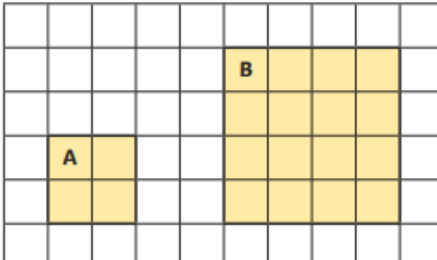
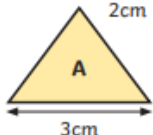
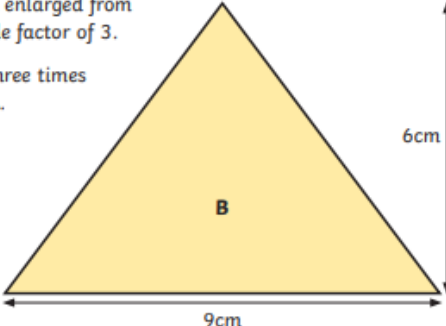


Year 6 Ratio Knowledge

Ratio Language	The Ratio Symbol
<p>For every 1 circle, there are 2 triangles.</p>  <p>For every 2 bananas, there are 3 apples.</p>  <p>For every 1 football, there are 3 rugby balls.</p> 	 <p>The ratio of footballs to rugby balls: 1:4</p> <p>The ratio of rugby balls to footballs: 4:1</p>  <p>The ratio of circles to triangles: 2:3</p> <p>The ratio of triangles to circles: 3:2</p>
Ratio and Fractions	
 <p>For every 1 rugby ball, there are 2 footballs.</p> <p>Ratio of rugby balls to footballs: 1:2</p> <p>$\frac{1}{3}$ of the balls are rugby balls.</p>	 <p>The ratio of apples to bananas: 1:2</p>
 <p>For every 1 triangle, there are 3 squares.</p> <p>Ratio of triangles to squares: 1:3</p> <p>$\frac{1}{4}$ of the shapes are triangles.</p>	 <p>The ratio of bananas to oranges: 2:3</p> <p>The ratio of apples to bananas to oranges: 1:2:3</p> <p>The ratio of oranges to bananas to apples: 3:2:1</p>

Ratio and Proportion Problem-Solving	Scale Factors
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>To use the ingredients for 1 person, you divide all the quantities by 10 ($\div 10$).</p> </div> <div style="width: 45%;"> <p>To use the ingredients for 5 people, you halve all the quantities ($\div 2$).</p> </div> </div> <div style="text-align: center; border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>Ingredients for Fruit Smoothie (serves 10 people)</p> <p>800g of bananas</p> <p>500g of strawberries</p> <p>200g of raspberries</p> <p>700ml of milk</p> <p>300ml of natural yogurt</p> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>To use the ingredients for 20 people, you double all the quantities ($\times 2$).</p> </div> </div> <p>In a bag of 15 sweets, there is 1 smiley face sweet for every 4 love heart sweets.</p> <p>Therefore, there will be 3 smiley face sweets and 12 love heart sweets in the bag.</p> <div style="display: flex; align-items: center;">  } 5 </div> <div style="display: flex; align-items: center;">  } 5 </div> <div style="display: flex; align-items: center;">  } 5 </div>	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> <p>Shape A has been enlarged by a scale factor of 2 to make Shape B.</p> <p>Shape B is now two times as big as Shape A.</p> </div> </div> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>Shape B has been enlarged from Shape A by a scale factor of 3.</p> <p>Shape B is now three times as big as Shape A.</p> </div>  </div>