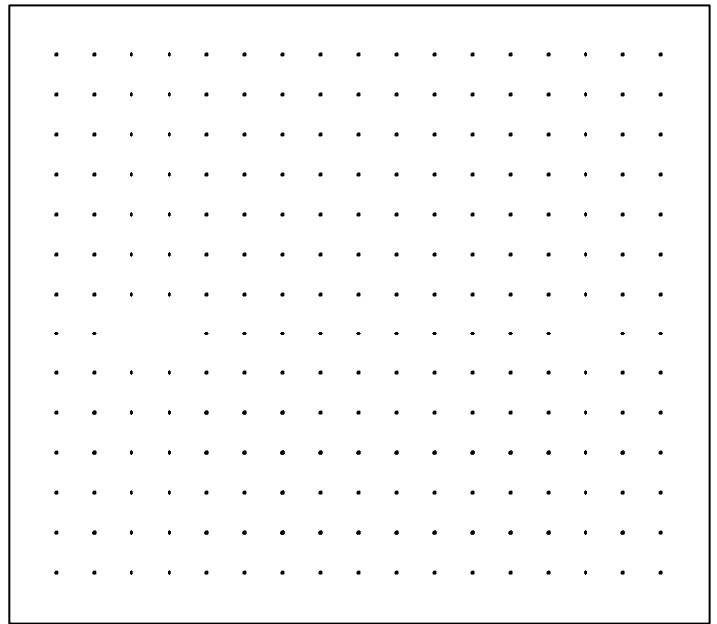
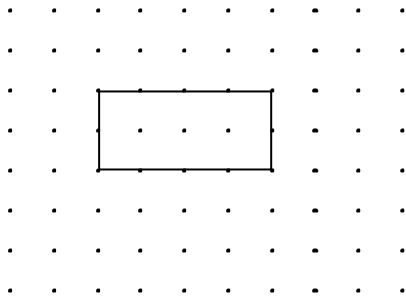


# Scale Factor in two dimensions Activity 4

Enlarge the shape with a scale factor of 2

Here is the original Shape



**Perimeter**

What is the perimeter of the original object?  
 What is the perimeter of the enlargement object?

**Area**

What is the Area of the original object?  
 What is the Area of the enlargement object?

Describe the effect enlarging the shape by a scale factor of 2 has had on its lengths(perimeter) and its area.  
 ( be as mathematical as possible.


Level 3	Level 4	Level 5
<p>M 10b.3 <i>Scale</i>  <b>The student:</b>                      Attends informally to scale when making and using plans, maps and models.</p> <p style="text-align: center;"><input type="checkbox"/></p>	<p>M 10b.4 <i>Scale</i>  <b>The student:</b> Understands and uses scale factors involving small whole numbers and unit fractions for straightforward tasks, including those that involve making figures and objects on grids and with cubes.</p> <p style="text-align: center;"><input type="checkbox"/></p>	<p>M 10b.5 <i>Scale</i>  <b>The student:</b> Understands and uses scale factors and the effect of scaling linear dimensions on lengths, areas and volumes of figures and objects produced on grids and with cubes.</p> <p style="text-align: center;"><input type="checkbox"/></p>