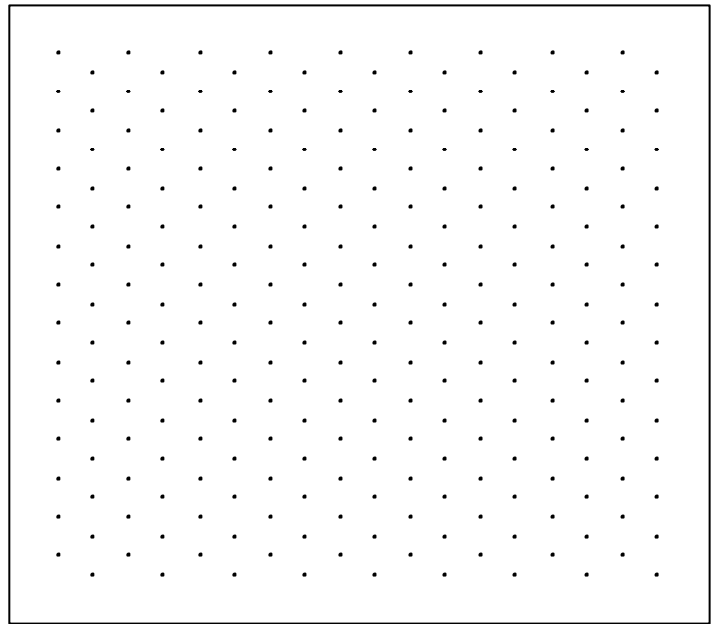
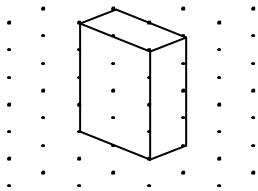


### Scale Factor in three dimensions Activity 3

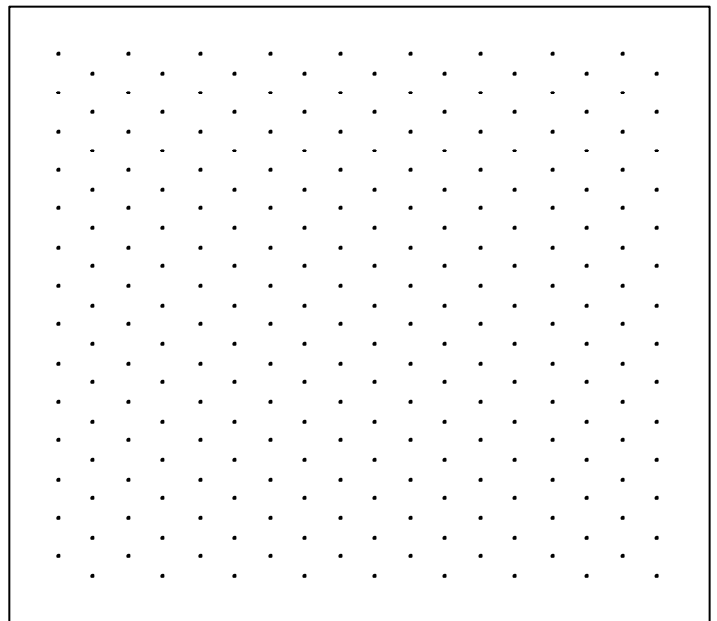
Enlarge the shape with a scale factor of 3



Here is the original Shape



Reduce the shape with a scale factor of  $\frac{1}{2}$



Be careful your diagram may not fit nicely with the dots

Level 3	Level 4
<p>M 10b.3 <i>Scale</i>  <b>The student:</b>                      Attends informally to scale when making and using plans, maps and models.</p> <div style="text-align: center; margin-top: 20px;"> <input type="checkbox"/> </div>	<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> <div style="text-align: center; margin-top: 20px;"> <input type="checkbox"/> </div>