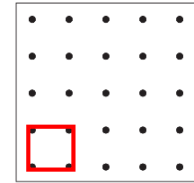


Squares on a Geoboard

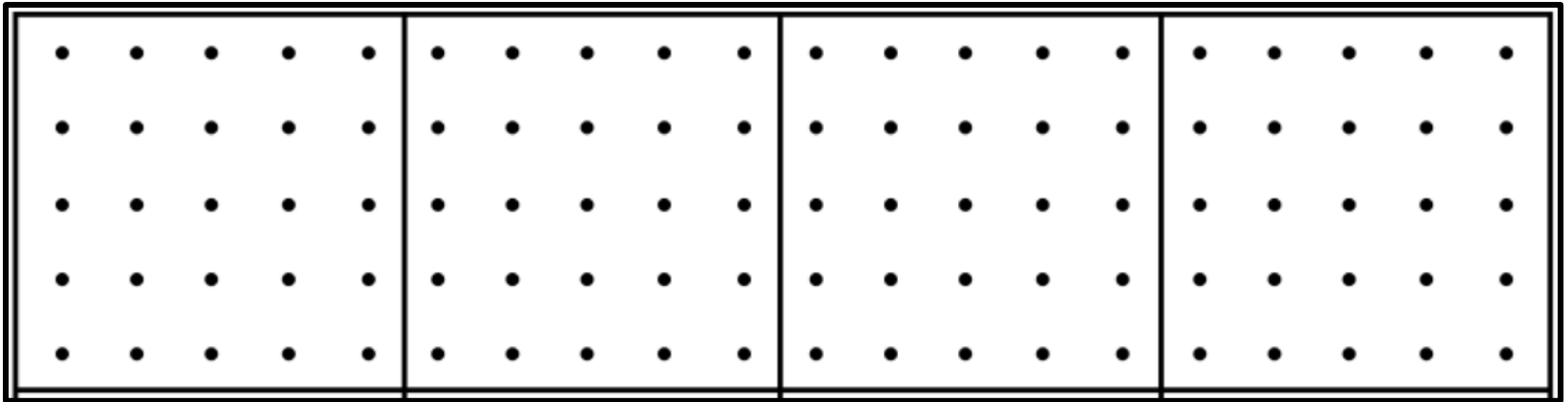


Materials: geoboards, rubber bands, geoboard paper, rulers

1. Connect one rubber band and four boundary pegs to construct a square with side lengths of 1 unit. Use a ruler to record the square on geoboard paper.
2. Construct and record squares with side lengths of 2, 3, and 4 units.
3. Create a table to show the side length, area, and perimeter of each square you construct.

Side Length	1	2	3	4		
Area	1					
Perimeter	4					

4. Examine your data closely. Describe any patterns that you notice.
5. What would the area and perimeter of a square with side lengths of 5 units be? What about 6 units? Justify your predictions.



Side Length	1	2	3	4		
Area	1					
Perimeter	4					

Patterns I noticed:

My prediction: