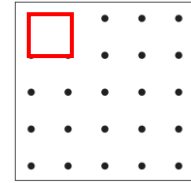


Area on the Geoboard



Materials: geoboards, rubber bands, geoboard paper, rulers

1. Make the smallest square possible on your geoboard that can be made by connecting one rubber band and four pegs. This square has an area of one square unit and can be used as a measure for finding the area of geoboard shapes.
2. How many different shapes can you make on your geoboard with an area of **four** square units?
3. Draw each shape you make on geoboard paper. Record the area.
4. Make and draw at least two shapes with an area of **four** square units that include half squares. Write an equation to show how you calculated the area of these shapes.
5. Look closely at the different shapes you made with an area of **four** square units. Do they all have the same perimeter? Explain.