

Geoboard Ideas

1. LINES AND ANGLES

Ask students to demonstrate parallel, intersecting, and perpendicular lines on their geoboards. Then have them show right, obtuse, and acute angles. Students can also use protractors to measure angles formed on geoboards.

2. TRIANGLE CORNERS

Ask each student to make a triangle on his or her geoboard. Designate the four corners of the classroom with signs: equilateral, isosceles, right, and scalene. Have students move to the corner which represents their triangle. When all students have moved to corners, have them compare their geoboards with the others in the corner to check for accuracy.

3. BUILD AND RECORD

Have students build various polygons on their geoboards (trapezoids, parallelograms, right triangles, etc.) After they build each figure, have them draw it on dot paper and label it.

4. GEOBOARD SYMMETRY

Have students divide their board in half with a rubberband. They make a shape on one side. Students switch with a partner who tries to make a symmetrical shape on the opposite side. (Or students may place two geoboards side-by-side.)

5. AREA OF FOUR

Show students how to find the area of a polygon on their geoboards. Then ask them, How many different polygons can you make having an area of exactly four square units? Be sure to have them record their solutions on dot paper.