

Geoboard Discovery

Lesson Summary:

Students will investigate the areas of parallelograms, rectangles, and triangles using a geoboard and rubberbands. Students will develop formulas for areas, investigate the heights of figures, and examine the areas of similar figures.

Key Words:

Geoboard, area, rectangle, triangle, parallelogram

Background knowledge:

This is a great activity for beginners exploring area. Students must only know what a rectangle, parallelogram, and triangle are.

Learning Objective:

Students will discover the formulas for the areas of parallelograms, rectangles, and triangles.

Materials:

Geoboards for each group
Rubberbands
Worksheets for each student

Suggested Procedure:

Pass out geoboards and rubberbands. Remind students that each square on a geoboard is one square unit. Discuss how to make different shapes on the Geoboard. Allow for some play time. Then pass out worksheets and split students into groups of two or three. Have them complete the activity.

Assessment:

Check students shapes on the Geoboards. Collect worksheets.