

# Polygons

**Student Grade Level:** Third

**Time Required for Lesson:** 1-35 minute class period

**Content Area:** Math

**Objective:**

- 1. The learner will identify properties of a polygon.

**Learner Materials:**

geoboards, rubber bands, dot paper, pencils

**Teacher Materials:**

Blackboard, chalk

[Figures and Polygons](#) (a good website to look at before the lesson for visual examples and definitions)

**Introduction:**

Students have had experiences working with shapes in previous lessons. Students will take a tour outside to find shapes and represent them on geoboards. Teacher and class will discuss how some shapes are polygons and the properties/characteristics of polygons and regular polygons.

**Procedure:**

- 1. Tell students they will be finding and working with different shapes.
- 2. Show students a geoboard and demonstrate how to use one.
- 3. Pass out geoboards and rubber bands and let students explore for 5 minutes.
- 4. Pass out dot paper and tell students they will be going outside and around the school to discover geometric shapes.
- 5. Have students explore around the building and outside for about 10-12 minutes. Tell them that each person should have three different shapes they see outside of the classroom copied onto the dot paper.
- 6. Back in the classroom, tell students to transfer one of their shapes from the dot paper onto the geoboard with the rubber bands.
- 7. Students should then identify which polygon they have on their geoboard.

**Evaluation:**

- 1. Teacher will check for understanding through observation and participation of class.