

## How Many Different Polygons?

- How many different triangles can you make on the geoboard? Record them on dot paper. Describe the angles and sides for each triangle.
- How many different rectangles can you make? Record them.
- How many different four-sided polygons can you make that are not rectangles? Record them. Write the name of each polygon. (Remember, polygons are named by the number of sides.) Information in the back of the book, *The Greedy Triangle*, gives names for polygons.
- How many five-sided figures can you make?
- How many six-sided figures can you make?

### **Assessment:**

Are students able to make a variety of shapes or do they find just one or two ways?

Do students recognize when the shapes are the same and when they are different?

Do students plan what they are going to make ahead of time, or do they need to do a lot of trial and error in order to end up with the desired result?