

Tangram Polygons

Polygons are given special names for their number of sides. You are probably familiar with the 3-sided triangle, the four-sided quadrilaterals (squares, rectangles, rhombuses, and trapezoids), the five-sided pentagon, and six-sided hexagon. Polygons are two-dimensional shapes. See how many different types of polygons you can build with tangram pieces.

Goal: Build different polygons with tangrams

You will need:

- Tangram pieces

What to do:

- Decide which polygon you want to make.
- Use the tangram pieces to create the polygon.
- You may need to turn over, rotate, or slide pieces to make your polygon.

To think about:

- Did you use all of the tangram pieces to make the polygon?
- What is the smallest number of tangram pieces you can use to make a triangle, square, trapezoid, pentagon, and hexagon?
- Can you make a triangle, square, trapezoid, pentagon, and hexagon using all seven shapes?

