

# Geometric Shapes in Geography — Properties of Shapes

Activity Sheet

Base Sheet

The child explores geometric shapes and their properties, connecting the sensorial work with geometric solids and the geometric cabinet to real-world geography. Triangles, rectangles, circles, and polygons are examined for their sides, angles, and occurrences in nature and architecture.

## What You Need

- Geometric cabinet insets or shape cut-outs
- Shape chart paper
- Photos of shapes in architecture and nature
- Drawing paper
- Colored pencils
- Ruler

## Steps:

1. Lay out the geometric cabinet insets: circle, triangle, square, rectangle, pentagon, hexagon.
2. Let us look carefully at each shape. How many sides does the triangle have? How many corners?
3. Count sides and vertices for each shape. Record on a chart.
4. 'Sides: circle=0, triangle=3, square=4, rectangle=4, pentagon=5, hexagon=6.'
5. 'Where do we see these shapes in the world?' Show photos: stop signs (octagon), windows (rectangle), wheels (circle), pyramids (triangle).
6. Go on a shape hunt around the house or yard.
7. Child draws each shape, labels it, and writes the number of sides.

## Work Space:

A large, dashed rectangular border occupies the bottom half of the page, intended for the child to draw and write in.

Montessori Homeschool • Print on US Letter (8.5 x 11") • Activity sheet — print on standard paper