

Geometry — Angles and Types of Triangles

Base Sheet

Activity Sheet

The child explores angles using a right angle tester, classifies angles as right, acute, or obtuse, and discovers the three types of triangles based on angles: right triangle, acute triangle, and obtuse triangle.

What You Need:

- Square paper for right angle tester
- Triangle cutouts (right, acute, obtuse)
- Protractor (optional)
- Paper and colored pencils
- Ruler
- Scissors

Steps:

1. 'What is an ANGLE? It is where two lines meet. Angles can be different sizes!'
2. Make a right angle tester: fold a square piece of paper into quarters. The corner is a perfect RIGHT ANGLE (90 degrees).
3. Walk around the room testing angles. Is this corner a right angle? Test it!'
4. 'Angles smaller than a right angle are ACUTE (they are cute and small!). Angles bigger are OBTUSE (oh-BTUUSE — they are open wide!).'
5. Connect to triangles: 'A right triangle has one right angle. An acute triangle has all small angles. An obtuse triangle has one wide angle.'
6. The child sorts triangle cutouts into three groups.
7. Draw and label all three types.

Work Space:

A large, dashed rectangular box with a thin brown border, designed to look like a piece of paper. It is intended for the child to draw and label the three types of triangles (right, acute, and obtuse) as part of the activity.

