Home Connections
Math Activities

Grade 6
Geometry and Spatial Sense

Quadrilateral Angle Properties
Symmetry in Logos
Teach an Adult to Sketch

Quadrilateral Angle Properties
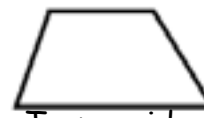
For the attached chart, have your child:

1. Name the quadrilateral.
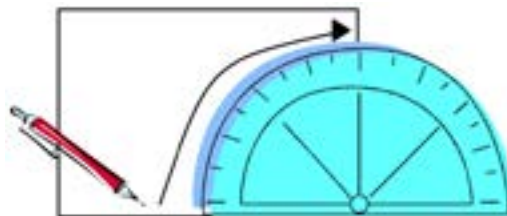2. Measure each angle and record.
3. Describe what he or she notices about the angles for each quadrilateral.
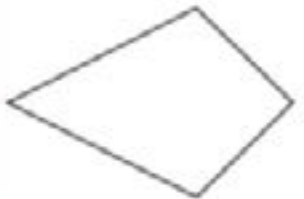
Kite

Rectangle

Trapezoid

Square

Protractor is a tool for measuring angles.

Let's Talk About It

- What do you notice about the sum of the angles for each quadrilaeral?
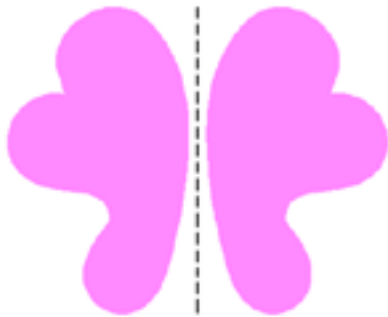- Is a square a rectangle? Why or why not?

Quadrilateral Angle Properties

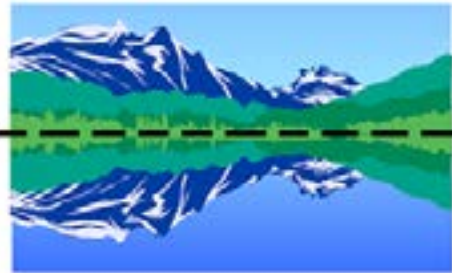| Angle Measurements	Names	Shape Description
90° 90° 90° 90°	Rectangle	A rectangle is a quadrilateral with four 90° angles.

Symmetry in Logos

1. Ask your child to find logos that have different types of symmetry in it. Look in magazines, newspapers, or the internet to find the logos.
2. Ask your child to identify the line of symmetry in the logo.

Line of Symmetry

Line of Symmetry

The line of reflection is called a line of symmetry.

Let's Talk About It

- What other interesting geometric properties do you notice in the logo?
- Could a logo have both horizontal and vertical symmetry? What do you think it could look like?

Teach an Adult to Sketch

1. Have your child pick an object to draw. (e.g. tissue box, cereal box)
2. Have your child draw different perspectives of this object on the attached isometric dot paper.

Example:

Name of object: Rectangular Prism

Name of object:

Isometric Perspective show different views of an object.

Let's Talk About It

- Show me on your object what view you have drawn.
- How are the two perspectives that you have drawn different?

Teach an Adult to Sketch

Name of Object:

View 1:

View 2: