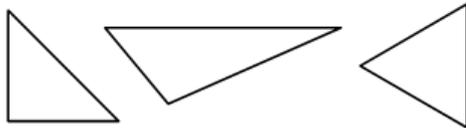


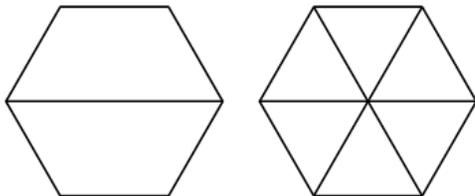
Our Learning Goals:

- Attributes can be used to sort 2-D shapes.
- Identify 2-D shapes and describe their attributes using formal geometric language.
- Compose shapes by joining two, three, or four figures to produce a target shape in more than one way.



All triangles have 3 angles or corners,
3 straight lines, 3 points or vertices.

A hexagon can be made with different shapes.



How Can I Help My Student?

In first grade, students are expected to learn and use formal geometric language. While some of the vocabulary may seem difficult, students rapidly pick up formal geometric terminology when it is used in context and not in isolation.

Vocabulary:

Circle
Triangle – examples of all types of triangles
Rectangle
Square – this is also a rectangle, but with equal length sides
Rhombus
Hexagon
Vertex
Side

What Activities Can I Do At Home?

Describing/Drawing Shapes

Making shapes is a great way to learn about them. Describing shapes using formal geometric vocabulary in combination makes this a very powerful tool. Ask your student, “What shape has 3 vertices and 3 straight sides? Can you draw that shape?”

Quick Images with Shapes

In class, we will be doing an activity called Quick Images. In this activity, students get 5 seconds to look at a shape, and then draw the shape from memory. You can use the drawings from the activity above to keep a supply of “Quick Images” at home.

Math Literature

You can find the following books in your local library and read them together.

Burns, Marilyn. [The Greedy Triangle](#)

Felix, Monique. [The House](#)

Friedman, Aileen. [A Cloak for the Dreamer](#)

Hoban, Tana. [Shapes, Shapes, Shapes](#)

Jonas, Ann. [The Quilt](#)

Paul, Ann Whitford. [Eight Hands Round: A Patchwork Alphabet](#)

Polacco, Patricia. [The Keeping Quilt](#)

Rogers, Paul. [The Shapes Game](#)

Ongoing Learning

Students in first grade should continue to have lots of opportunities to **use objects** to compose different ways to make **10**. Students are expected to apply basic fact strategies to add and subtract **within 20 by the end of the year**. This should not be a flash card activity.

How Will My Child be Assessed?

Students will be assessed informally and formally throughout the unit through teacher observation and one-on-one interviews. They will be asked to explain how they are thinking about the math concepts they are learning.

Why Is My Child Learning Strategies?

The Texas Essential Knowledge and Skills (TEKS) are the standards Texas teachers follow to ensure a quality education for all students. Our standards specifically state that it is important for students to solve problems using multiple strategies and mathematical relationships.