

Dear Parents,

Over the next several weeks, we will be learning about **two-dimensional shapes** in math! The information below will help you to support your child as they learn these exciting, yet important kindergarten math skills.

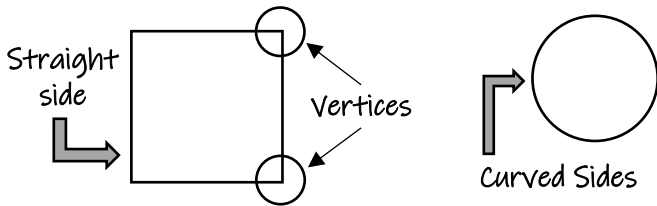
The GOAL:

By the end of the unit, your child should be able to **identify and describe two-dimensional shapes**. They should also be able to **analyze, compare, create and compose 2-dimensional shapes**.

Two-Dimensional Shapes

Help your child learn about shapes:

Define shapes with curved sides or straight sides and number of vertices.

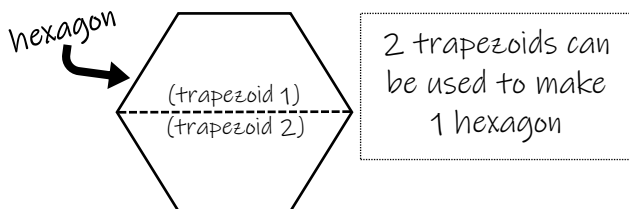


Identify shapes by name: circle, square, triangle, rectangle, rhombus, trapezoid, & hexagon.

(see other side for examples!)

Compose (or build) shapes within other shapes:

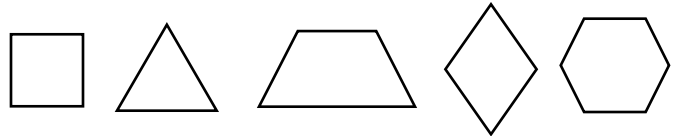
For example, I can make a hexagon using two trapezoids.



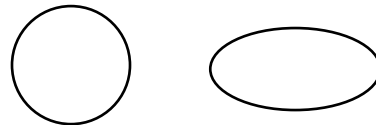
Analyze and Compare 2-Dimensional Shapes

You can analyze and compare 2-dimensional shapes based on their characteristics.

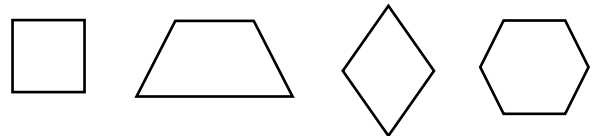
These shapes have straight sides:



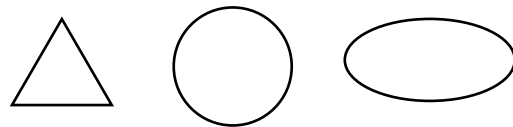
These shapes have curved sides:



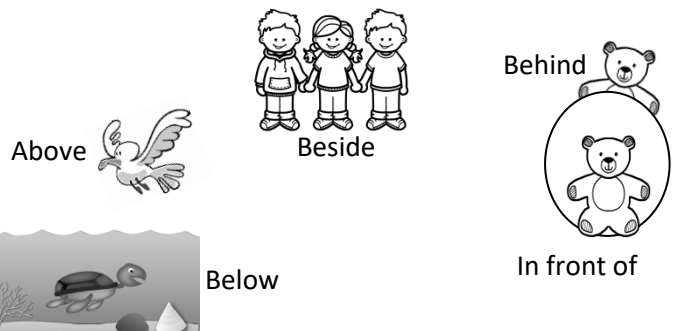
These shapes have more than 3 vertices:



These shapes have 3 or less vertices:



Positional Words:



Grade K Math: PA Core Math Standards in Unit 4:

CC.2.3.K.A.1: Compose and distinguish between two- and three-dimensional shapes based on their attributes.

CC.2.3.K.A.2: Use the understanding of fractions to partition shapes into halves and quarter.

-- HOW TO HELP AT HOME --

Two-Dimensional Shapes:

- Provide opportunities to play with and name shapes using household items
- Use crayons, markers, sidewalk chalk to draw shapes and label them
- Use string, Play-doh, spaghetti, etc., to make shapes
- Talk about the parts of a shape (how many sides, corners, straight or curved lines)

-- KEY MATH VOCABULARY --

(Defining) Attribute: a characteristic or quality that defines a shape (e.g., 4 equal sides is a defining attribute of a square.)

Vertex (vertices): a corner of a figure.

Two-dimensional: having only two dimensions, it is flat.

