

Dear Parents,

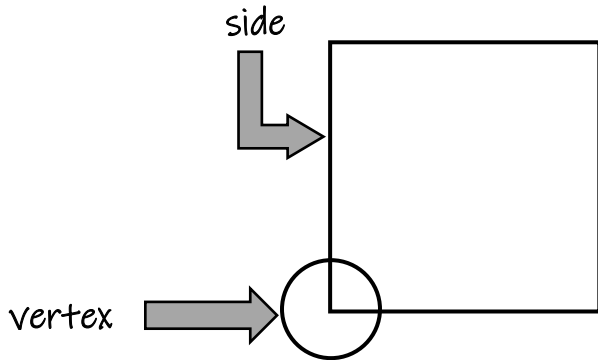
Over the next several weeks, we will be learning about **two- and three-dimensional shapes** in math! The information below will help you to support your child as they learn these exciting, yet important second grade math skills.

The GOAL:

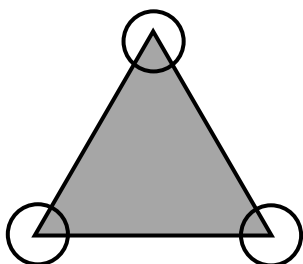
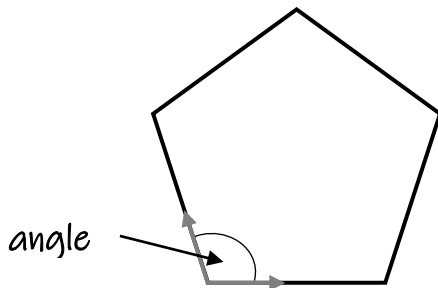
By the end of the unit, your child should be able to **identify and describe two- and three-dimensional shapes**. Children should also be able to **partition (divide) two-dimensional shapes into equal parts**.

Two-Dimensional Shapes

Children will need to identify and describe different characteristics of two-dimensional shapes.



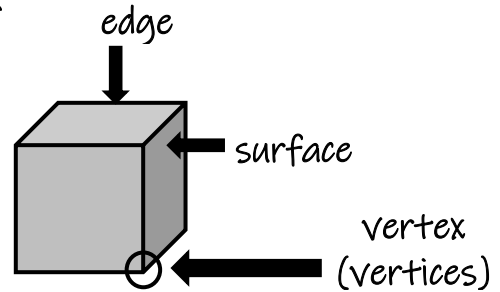
Shapes also have angles. Angles are formed when two sides of a shape meet.



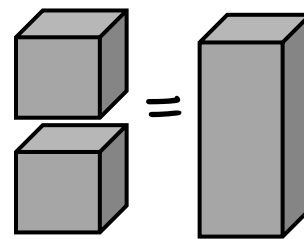
This shape has three angles.

Three-Dimensional Shapes

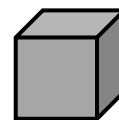
Children will need to identify and describe different characteristics of three-dimensional shapes.



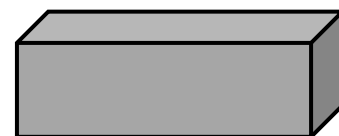
Create new shapes by combining two or more three-dimensional shapes.



Compare the attributes of three-dimensional shapes.



This cube has 6 faces, 8 vertices, and 12 edges.



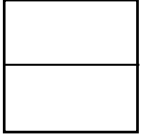
Your turn! This rectangular prism has ___ faces, ___ vertices, and ___ edges.

Central Dauphin School District
Grade 2 Math: Unit 6 Parent Letter
Geometry



Help your child partition (divide) shapes:

Identify equal and unequal parts.



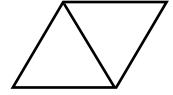
This square has equal parts.



This square does not have equal parts.

Divide shapes into halves:

The rhombus is divided into 2 equal parts.



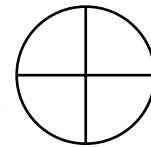
Divide shapes into thirds:

The rectangle is divided into 3 equal parts.



Divide shapes into quarters:

The circle is divided into 4 equal parts.



Grade 2 Math: PA Core Math Standards in Unit 6

CC.2.3.2.A.1: Analyze and draw two- and three-dimensional shapes having specified attributes.

CC.2.3.2.A.2: Use the understanding of fractions to partition shapes into halves, quarters, and thirds.

-- HOW TO HELP AT HOME --

- Provide opportunities to play with and name shapes using household items.
- Identify and name two- and three-dimensional shapes in your house or in the community.
- 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/edges, vertices, & faces)
- Allow your child to help prepare food (cut a sandwich in **half** or cut the pizza into **quarters**).
- Point out objects in real life that are divided into equal parts (windows, fence posts, letters, etc.).

