

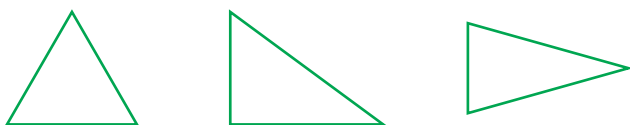
Recognize and Draw Shapes



Dear Family,

This week your child is learning about recognizing and drawing shapes by paying attention to the characteristics they have.

Triangles have 3 sides, 3 angles, and 3 vertices.

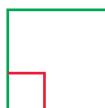


Quadrilaterals have 4 sides, 4 angles, and 4 vertices.

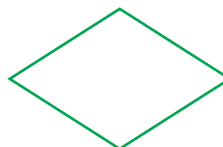
Rectangles and **squares** have 4 square corners.



rectangle

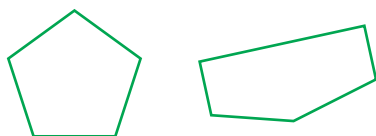


square



rhombus

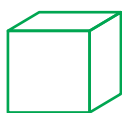
Pentagons have 5 sides, 5 angles, and 5 vertices.



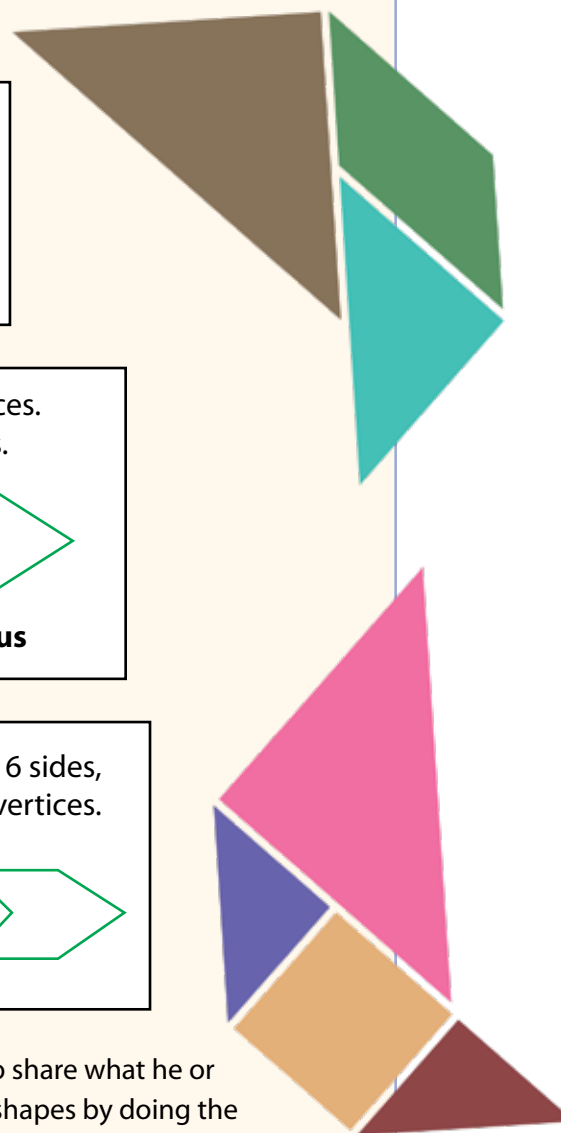
Hexagons have 6 sides, 6 angles, and 6 vertices.



Cubes have 6 surfaces, or faces, that are all the same.



Invite your child to share what he or she knows about shapes by doing the following activity together.



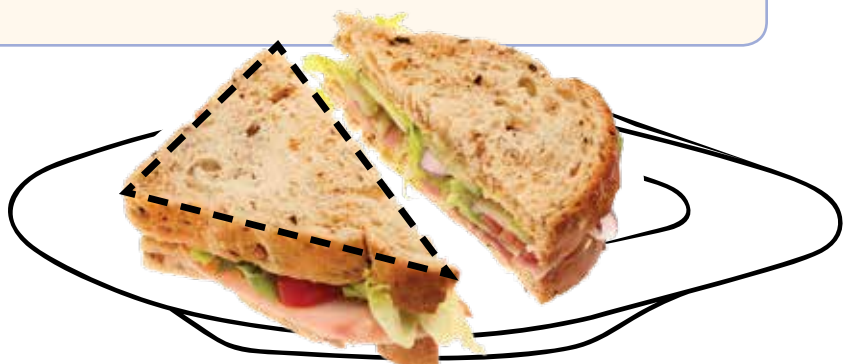
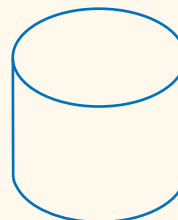
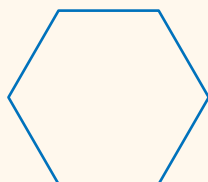
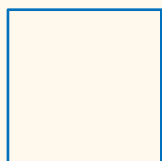
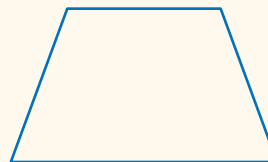
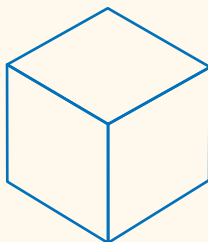
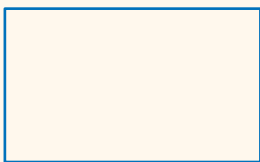
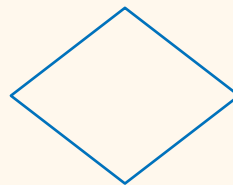
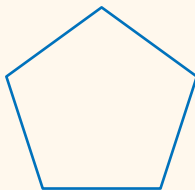
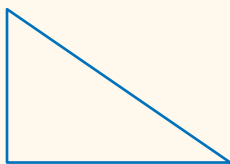
ACTIVITY SHAPES

Do this activity with your child to explore shapes.

Materials real-world objects with geometric shapes, pencil

Work with your child to look for and name shapes based on their characteristics.

- Display real-world objects that match some of the shapes shown below. For example, you might show your child half a sandwich cut diagonally for the triangle, a square window that has 4 sides of same length and 4 vertices.
- Describe the characteristics of a shape shown below. Ask your child to circle the shape that matches your description. For example, say: *Circle the shape that has 6 faces.* Help your child to correctly identify and name the shape. Repeat.



Understand Partitioning Shapes into Halves, Thirds, and Fourths

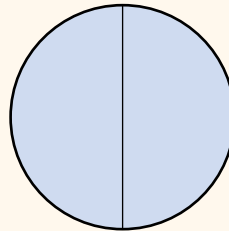
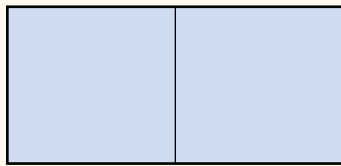


Dear Family,

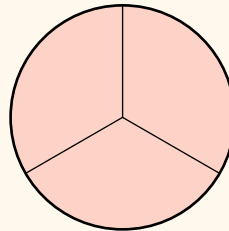
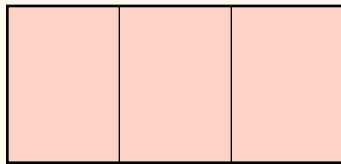
This week your child is exploring the idea of equal parts of whole rectangles and circles to get ready for working with fractions next year.

Your child will see whole rectangles and circles cut into 2, 3, or 4 equal parts.

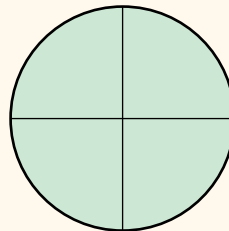
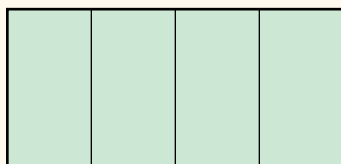
2 equal parts are called **halves**. Each of these parts is called **one half** of the whole.



3 equal parts are called **thirds**. Each of these parts is called **one third** of the whole.



4 equal parts are called **fourths**. Each of these parts is called **one fourth** of the whole.



Invite your child to share what he or she knows about halves, thirds, and fourths by doing the following activity together.

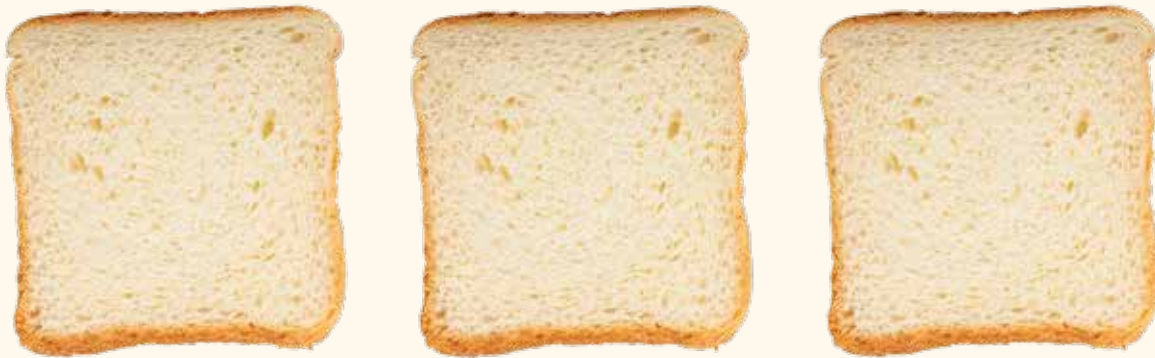
ACTIVITY EQUAL PARTS

Do this activity with your child to understand halves, thirds, and fourths in shapes.

Materials sandwich ingredients, including square bread slices

Along with your child, make a sandwich using square pieces of bread.

- Ask your child to show with his or her finger how to cut the sandwich into halves. Ask your child to show you more than one way. Talk about how many pieces there would be if you cut the sandwich into halves.
- Ask your child to show you how to cut the sandwich into thirds and fourths. Talk about how many pieces there would be if you cut the sandwich into thirds or into fourths.
- Ask your child how he or she would like the sandwich divided and cut the sandwich accordingly.



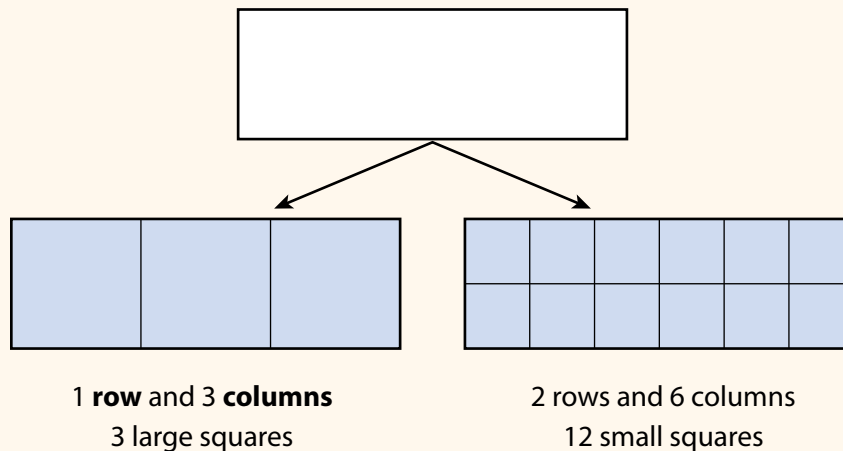
Partition Rectangles



Dear Family,

This week your child is learning how to partition rectangles into same-sized squares.

Rectangles can be partitioned into squares in different ways. For example:



Your child is exploring partitioning rectangles to get ready for learning how to find the area of rectangles next year.

Examples of partitioning can be found throughout your daily life. You may find square tiles covering the kitchen floor, the bathroom wall, or a ceiling. You may see squares filling a game board or a wall calendar.

Invite your child to share what he or she knows about partitioning by doing the following activity together.



ACTIVITY PARTITIONING

Do this activity with your child to partition rectangles.

Materials markers or crayons

- Work with your child to finish partitioning the two rectangles shown below.
 - The squares must fill the whole rectangle.
 - The squares within each rectangle must be the same size.
 - The squares must not go outside the borders of the rectangle.
- Ask your child to count the number of rows and columns of squares in each rectangle.
- Ask your child which rectangle was divided into more squares.

