

## Unit 12

# Family Letter

Reveal  
**MATH**<sup>®</sup>

Dear Family,

In this unit, Geometric Shapes and Equal Shares, we will be learning how to identify and draw shapes as well as identify and divide rectangles into equal shares.


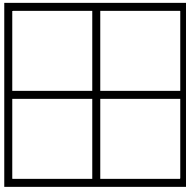
### STEM Career Kid for this Unit

**Hi, I'm Chloe.**

Hello! My name is Chloe, and I want to be a carpenter. Carpenters use math when they use shapes to build things.



### What math terms will your child use?

Term	Student Understanding
2-dimensional shape	a shape that has two dimensions – length and width
3-dimensional shape	a shape that has three dimensions – length, width, and height
equal shares	each part is the same size; The rectangle is partitioned into equal shares. 
partition	to divide or “break up”; The square is partitioned into fourths. 



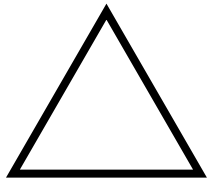
### What can your child do at home?

Have your child practice identifying shapes. Cut each shape out and label it with its name. Have your child use the shape cutouts to help identify household objects that are the same shapes.

# What Will Students Learn in this Unit?

## Triangles, Quadrilaterals, Pentagons, and Hexagons

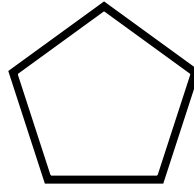
In this unit, your child learns how to identify different shapes based on the number of sides, angles, and vertices the shape has. Students will also learn how to draw each shape. The shapes students learn about in this unit are shown below.



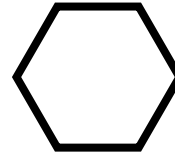
triangle



quadrilateral



pentagon



hexagon

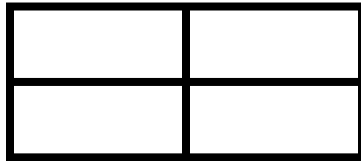
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## Equal Shares

Your child also learns about equal shares. Students will identify shapes that are partitioned into equal shares. They will then learn about halves, thirds, and fourths. Students are asked to partition shapes into equal shares. It is important for students to understand that a shape can be partitioned into equal shares in more than one way.

### Example

Show two ways to partition the rectangle into fourths.



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## Partitioning Rectangles

Your child also learns how to partition a rectangle into rows and columns and use an addition equation to find the number of resulting squares.

### Example

How many rows, columns, and squares is the rectangle partitioned into? Write an equation to find the total number of squares.

- a. Rows: 3
- b. Columns: 5
- c. Equation:  $5 + 5 + 5 = 15$
- d. Total squares: 15

