

Eureka Math Parent Guide

A GUIDE TO SUPPORT PARENTS AS THEY WORK WITH THEIR STUDENTS IN MATH.

GRADE K
MODULE 6

GRADE FOCUS

Kindergarten mathematics is about (1) representing, relating, adding and subtracting whole numbers, and (2) describing shapes and space.

- Module 1: Numbers to 10
- Module 2: Two-Dimensional and Three-Dimensional Shapes
- Module 3: Comparison of Length, Weight, Capacity, and Numbers to 10
- Module 4: Number Pairs, Addition and Subtraction to 10
- Module 5: Numbers 10—20 and Counting to 100

» **Module 6: Analyzing, Comparing, and Composing Shapes**

LET'S CHECK IT OUT!

MODULE 6 FOCUS

Our kindergarten mathematics work comes to a close with another opportunity for students to explore geometry. In Module 6, students build on their previous experience with two- and three-dimensional shapes and expand their spatial reasoning skills. They lay the groundwork for understanding area by composing various geometric figures.

MORE SPECIFICALLY, CHILDREN WILL LEARN HOW TO:

- Understand the relationship between numbers and quantities; connect counting to cardinality.
- Model shapes by building shapes from materials such as sticks and clay balls by and drawing shapes.
- Compose simple shapes to form larger shapes. For example, "Can you join these two triangles with full sides touching to make a rectangle?"
- Identify "first" and "last" related to order or position.
- Describe the similarities, differences, and other attributes (e.g., color, size, and shape) of various shapes.

TOPIC OVERVIEW

Topics are the lessons within a module that help children master the skills above. Here are the lessons that will guide your child through Module 6:

- Topic A: Building and Drawing Flat and Solid Shapes
- Topic B: Composing and Decomposing Shapes

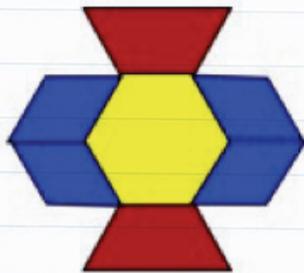
WORDS TO KNOW

- **Ordinal Numbers:** E.g. first, second, third, fourth, fifth, sixth, seventh, eighth, ninth, tenth

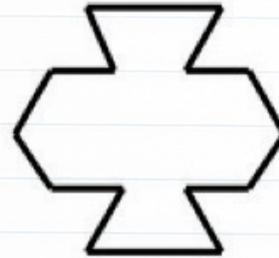
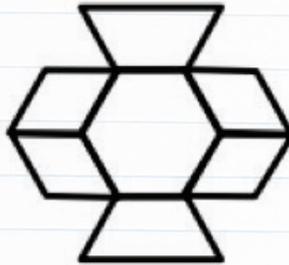


SAMPLE PROBLEMS

SAMPLE 1



Simple



Complex

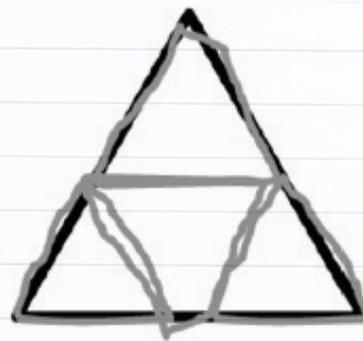
Students will work with pattern blocks such as the ones above to create more complex shapes out of the shapes they already know. Activities can begin with matching pattern blocks to a color picture, then move to filling in the outlined shapes, and eventually require students to develop their own combinations and ideas to fill a larger shape.

SAMPLE 2

Trace to show two ways to make each shape. How many shapes did you use? (Students will have several large shapes to fill with different pattern blocks of their choice.)



I used 3 shapes.



I used 4 shapes.

HOW YOU CAN HELP AT HOME

- Continue to review and practice counting numbers up to 100 or as high as possible.
- Ask your student to use position words to describe object locations relative to each other, e.g., "that pen is beside the glass of water on the table."