

Eureka Math Parent Guide

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

GRADE K
MODULE 3

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 3 FOCUS

In Module 3, we will continue to support our growing number sense by comparing lengths, weights, and capacity of containers. Toward the end of the module, we build to comparing actual numerals.

MORE SPECIFICALLY, CHILDREN WILL LEARN HOW TO:

- Identify whether the number of objects in one group is **greater than, less than, or equal to** the number of objects in another group, e.g., by using **matching and counting strategies**.
- **Compare** two numbers between 1 and 10 presented as written numerals.
- **Describe measurable attributes of objects**, such as length or weight. Describe several measurable attributes of a single object.
- Directly **compare two objects** with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference.

For example, directly compare the heights of two children and describe one child as taller/shorter.

TOPIC OVERVIEW

Topics are the lessons within a module that help children master the skills above. Here are the lessons your child will walk through in Module 3:

- Topic A: Comparison of Length and Height
- Topic B: Comparison of Length and Height of Linking Cube Sticks Within 10
- Topic C: Comparison of Weight
- Topic D: Comparison of Volume
- Topic E: Are There Enough?
- Topic F: Comparison of Sets Within 10
- Topic G: Comparison of Numerals
- Topic H: Clarification of Measurable Attributes

WORDS TO KNOW

- **Balance scale** (tool for weight measurement)
- **Capacity** (volume)
- **Compare**
- **Enough/not enough**
- **Heavier than/lighter than**
- **Height**
- **Length**
- **Longer than/shorter than**
- **More than/fewer than**
- **More than/less than** (volume, area, and number comparisons)
- **Taller than/shorter than**
- **The same as**
- **Weight**



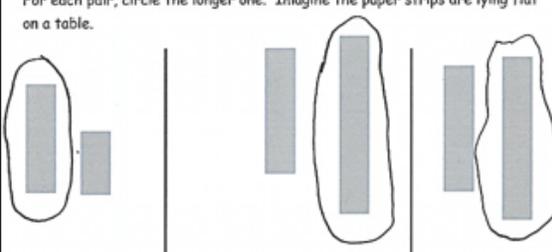
SAMPLE PROBLEMS

SAMPLE 1

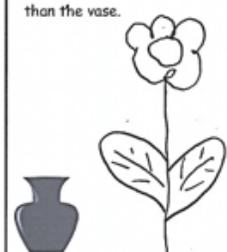
In this problem, students compare the length of objects and use "taller than" and "shorter than" language to draw objects.

- For each pair, circle the larger one. Imagine the paper strips are lying flat on a table.
- Draw a flower that is taller than the vase.
- Draw a tree that is taller than the house.

Name Zahara Date 6-9-13
For each pair, circle the longer one. Imagine the paper strips are lying flat on a table.



Draw a flower that is taller than the vase.



Draw a tree that is taller than the house.



SAMPLE 2

In this problem, students draw a castle. To do this, they must use common benchmarks, such as their fingers and utensils, to create and compare shapes of different lengths.

Read the following directions to your child to make a castle:

- Draw a rectangle as long as a spoon.
- Draw another rectangle on each side of the rectangle you just made.
- Draw a triangle on top of each rectangle to make towers shorter than your hand.
- Draw 1 rectangle flag pole as long as your pointer finger.
- Draw 1 square flag as long as your pinky.
- Draw a door as long as your thumb.
- Draw 2 hexagon windows each as long as a fingernail.
- Draw a prince or princess in your castle.

