

KEY CONCEPT OVERVIEW

In Lessons 6 through 11, students measure and **estimate** the weights of objects and **liquid volumes**.

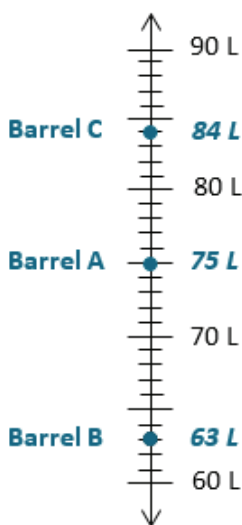
You can expect to see homework that asks your child to do the following:

- Read and write **metric weights** (in grams or kilograms) and liquid volumes (in milliliters or liters).
- Plot **capacities** on a vertical number line (as shown in the sample problem below).
- Solve word problems involving metric weight, liquid volume, and capacity.

SAMPLE PROBLEM (From Lesson 10)

Label the number line to show the capacity of the 3 barrels in the chart below.

Barrel A	75 liters
Barrel B	63 liters
Barrel C	84 liters



- a. Which barrel has the greatest capacity?

Barrel C has the greatest capacity because it is highest on the number line.

- b. Which barrel has the smallest capacity?

Barrel B has the smallest capacity because it is lowest on the number line.

Additional sample problems with detailed answer steps are found in the *Eureka Math Homework Helpers* books. Learn more at GreatMinds.org.

HOW YOU CAN HELP AT HOME

- At the store, ask your child to use the food scale in the produce section. Have him guess the metric weight (in grams or kilograms) before he puts an item on the scale.
- Ask your child to use a 1-cup measure to fill up a liter bottle and then tell you about how many cups are in a liter.
- Send your child on a metric measurement scavenger hunt. Have her go through your pantry and write down quiz questions about metric weights and liquid volumes of packaged goods. She can then quiz the family, asking them to guess how many grams of garbanzo beans there are in a can or how many milliliters there are in a container of chicken stock. The closest guess gets a point. The person who gets to 3 points first wins.

TERMS

Capacity: The amount of liquid that a particular container can hold.

Estimate: Approximation of the value of a quantity or number (e.g., the number 379 can be estimated to be 400).

Liquid volume: The amount of space taken up by a liquid (e.g., the amount of liquid in a measuring cup).

Metric weight: Weight measured in the metric system (e.g., using grams and kilograms).