

KEY CONCEPT OVERVIEW

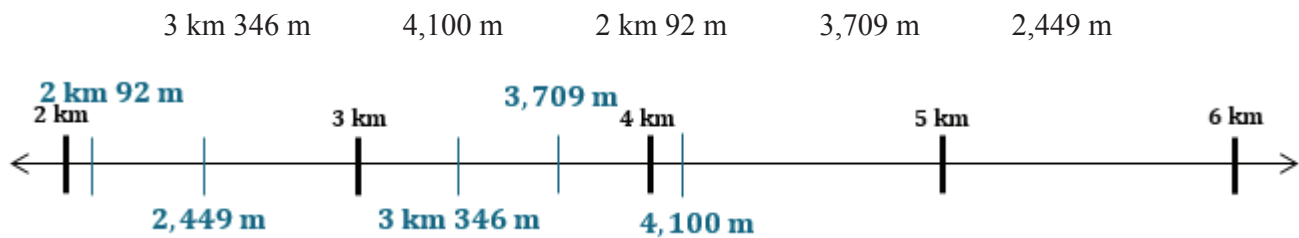
In Lessons 4 and 5, students relate what they know about place value units as they **convert**, compare, place metric measurements on a **number line**, and solve word problems.

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

- Convert **metric units** (e.g., 3 km 156 m is equal to 3,156 m).
- Compare measurements expressed in metric units (e.g., 6,225 m > 5 km 226 m).
- Place measurements on a number line (see sample problem below).
- Use a **tape diagram** to model word problems, and solve word problems involving length, mass, and capacity.

SAMPLE PROBLEM (From Lesson 4)

Place the following measurements 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

- Together with your child, look through your kitchen cupboards. Take out several cans of food. Look at the labels to see if you can find any metric units, such as grams, that are comparable. Use the measurements to line the cans up from least to greatest. Draw a number line and then plot and label the measurements.
- Ask your child to create a word problem using the measurements from several cans of food. For example, “Susie had a can of corn, a can of potatoes, and a can of soup. The can of corn had a mass of 418 grams and the can of potatoes had a mass of 425 grams. The total mass of all three cans was 1,151 grams. What was the mass of the can of soup?” Together, draw a tape diagram to model the problem. Solve.

TERMS

Convert: To express a measurement in a different unit (e.g., liters expressed as milliliters).

Metric units: Units used in the metric system. Centimeter, meter, kilometer, gram, kilogram, milliliter, and liter are all examples of metric units.

Centimeter (cm): Unit of measure for length.

Meter (m): Unit of measure for length.

Kilometer (km): Unit of measure for length.

Gram (g): Unit of measure for mass.

Kilogram (kg): Unit of measure for mass.

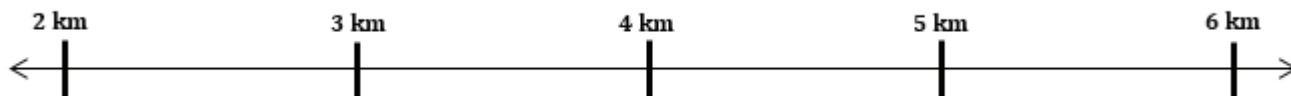
Milliliter (mL): Unit of measure for liquid volume.

Liter (L): Unit of measure for liquid volume.

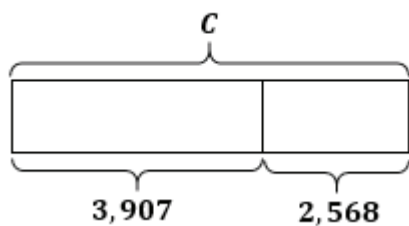
| Metric Conversions | |
|--------------------|----------|
| 1 kg | 1,000 g |
| 1 L | 1,000 mL |
| 1 km | 1,000 m |
| 1 m | 100 cm |

MODELS

Number Line



Tape Diagram



Tape Diagram

