

KEY CONCEPT OVERVIEW

During the next few days, our math class will revisit and deepen our understanding of concepts related to measurement. We will build on our knowledge of centimeters to learn about another unit of length, the **inch**. We will also learn that just as 100 centimeters form a larger unit called a meter, 12 inches form a larger unit called a **foot**. We will use an inch tile and a technique known as mark and move forward to measure various objects. We will also create an inch ruler and use it to measure and compare the lengths of objects around the classroom.

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

- Use an inch tile and the mark and move forward technique to measure household objects.
- Use a student-made inch ruler to measure the length of household objects, and then use the ruler to draw lines equal to the length of each object.
- Use the student-made inch ruler to measure and label the length of each side of various shapes, and then use inches to compare the differences in length.

SAMPLE PROBLEM (From Lesson 15)

Measure the length of an object with your ruler. Then, in the space provided, use your ruler to draw a line equal to the length of the object. (NOTE: The scenario below refers to a particular object in one classroom setting. Answers may vary.)

A crayon is 3 inches. Draw a line that is the same length as the crayon.



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

- Encourage your child to make comparisons and connections between centimeters and inches. For example, a centimeter is shorter than an inch, but your child can use both units in the same way to measure objects.
- Encourage your child to think about measurement by asking questions such as the following: “How would you decide which length unit to use to measure the remote control?” “Which unit of length would you use to measure the TV?” “When is it more helpful to use a larger unit?” “When is using smaller units helpful?” “Why is it more efficient to measure with a ruler than with inch tiles or centimeter cubes?”
- Play an estimation game with your child. Challenge her to estimate the length of objects around the home, and then have her measure each object to see how close her estimate is to the actual measurement.

TERMS

Inch (in): A standard unit of length. One inch is about as long as 2.5 centimeters.

Foot (ft): A standard unit of length equal to 12 inches.