

## KEY CONCEPT OVERVIEW

Lessons 7 and 8 focus on **rounding** numbers to the nearest hundred, ten, one, tenth, hundredth, and/or thousandth, and using rounding skills to make **estimates** when solving word problems.

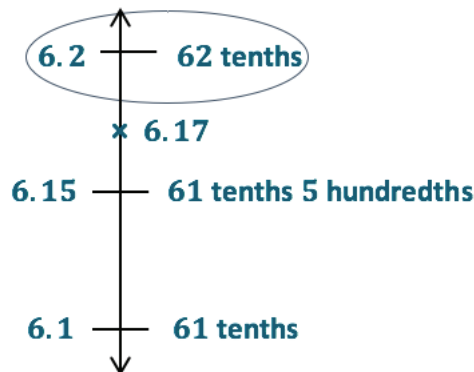
You can expect to see homework that asks your child to do the following:

- Rename a number in different unit forms using the place value chart (see sample problem below; 6.17 is the same as 6 ones 1 tenth 7 hundredths, 61 tenths 7 hundredths, or 617 hundredths).
- Round a number to a given place value with and without the use of a **vertical number line**.
- Solve word problems that involve estimating an answer.

## SAMPLE PROBLEM (From Lesson 7)

Fill in the table, and then round 6.17 to the nearest tenth. Label the number line to show your work. Circle the rounded number.

ones	tenths	hundredths
6	1	7
	61	7
		617



LEARN MORE by viewing a video about using the vertical number line to round. Visit [eurmath.link/rounding-vertical-numline](http://eurmath.link/rounding-vertical-numline).

Additional sample problems with detailed answer steps are found in the *Eureka Math Homework Helpers* books. Learn more at [GreatMinds.org](http://GreatMinds.org).

## HOW YOU CAN HELP AT HOME

- Help your child practice finding the midpoint between two numbers. You can say two numbers and your child will have to say the midpoint between those two numbers. For example,

The midpoint between 0 and 100 is \_\_\_\_\_. (50)

The midpoint between 10 and 20 is \_\_\_\_\_. (15)

The midpoint between 0 and 10 is \_\_\_\_\_. (5)

The midpoint between 1 and 2 is \_\_\_\_\_. (1.5)

The midpoint between 0 and 1 is \_\_\_\_\_. (0.5)

The midpoint between 0 and 0.1 is \_\_\_\_\_. (0.05)

**HOW YOU CAN HELP AT HOME** *(continued)*

- Talk to your child about times that you use rounding, such as estimating how many grocery items you can buy with a \$50 bill or how many errands you can get done in 1 hour. Explain your thinking. Have a discussion about times when it makes sense to round and times when it is important to find an exact answer.
- Play the “Rounding” card game with your child.
  1. Take out the Jacks, Queens, Kings, Aces, and Jokers.
  2. Put the stack of remaining cards face down.
  3. Flip 2, 3, 4 or more cards and have your child practice rounding to different place value units.

For example, you flip a 5, 4, 3, and 6; it represents 5,436. Rounding 5,436 to the nearest ten is 5,440; rounding 5,436 to the nearest hundred is 5,400; and rounding 5,436 to the nearest thousand is 5,000.

**TERMS**

**Estimate:** Approximation of the value of a quantity or number. For example, the number 379 can be estimated to be 400.

**Round:** Approximate the value of a given number. For example, 8,261 rounded to the nearest hundred is 8,300.

**MODELS****Vertical Number Line**