



**SAMPLE PROBLEMS** *(continued) (From Lesson 14)*

In the problem below, first make the divisor a whole number by multiplying both the numerator and denominator by 10. Then divide, and check your answer.

$$3,581.9 \div 4.9$$

$$\frac{3,581.9}{4.9} \times \frac{10}{10} = \frac{35,819}{49}$$

$$\begin{array}{r} \phantom{49} \overline{) 35819} \\ \underline{6} \phantom{00} \\ 343 \phantom{00} \\ \underline{151} \phantom{00} \\ \phantom{15}1 \phantom{00} \\ \underline{2} \phantom{00} \\ \phantom{15}47 \phantom{00} \\ \phantom{15}49 \phantom{00} \\ \underline{\phantom{15}49} \\ \phantom{15}0 \phantom{00} \end{array}$$

**Check:**

$$35,819 \div 49 = 731$$

$$731 \times 49 = 35,819$$

$$3,581.9 \div 4.9 = 731$$

$$731 \times 4.9 = 3,581.9$$

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**

You can help at home in many ways. Here are some tips to help you get started.

- Complete a division problem with your child. First, estimate the answer. Then, take turns completing each step in the standard algorithm to find the actual answer. Compare the real answer to the estimate to be sure your answer makes sense. You can use whole numbers or decimals.
- David estimated 5,000 as the quotient for the problem  $99,066 \div 19$ . Does his estimate make sense? With your child, discuss what David's thought process might have been when determining the estimate. (Your child should understand that David probably rounded the problem to  $100,000 \div 20$ . Because this expression equals 5,000, David's estimate makes sense.)
- Reinforce the importance of estimation. Share some ways you use estimation in the real world. For example, estimate how long it will take you to run a few errands or how much the items in your grocery cart will cost.

**TERMS**

**Divisible:** When one number can be divided by another and the result (quotient) is an exact whole number, we can say that number is divisible by the other number. For example, 36 is divisible by 9 because  $36 \div 9 = 4$ .

**Multiple:** The product of a given number and any other whole number. For example, 5, 10, 15, 20, and 25 are all multiples of 5 because 5 can be multiplied by a whole number to equal each of these numbers.