

KEY CONCEPT OVERVIEW

In Lessons 13 through 16, students divide decimal numbers by one-digit whole numbers.

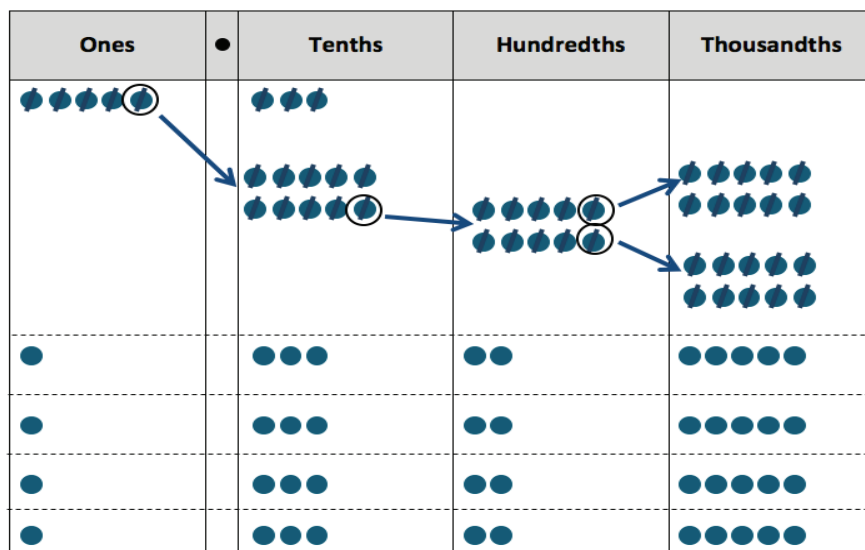
You can expect to see homework that asks your child to do the following:

- Solve division problems by using place value unit language (e.g., $0.42 \div 7 = 42 \text{ hundredths} \div 7 = 6 \text{ hundredths} = 0.06$).
- Divide decimals by drawing place value disks on the place value chart (as shown in the Sample Problem below).
- Divide decimals to the thousandths without leaving a remainder ($6.372 \div 6 = 1.062$).
- Solve word problems.

SAMPLE PROBLEM (From Lesson 15)

Draw place value disks on the place value chart to solve. Show each step in the standard algorithm.

$$5.3 \div 4 = 1.325$$



$$\begin{array}{r}
 1.325 \\
 4 \overline{) 5.300} \\
 \underline{4} \\
 13 \\
 \underline{12} \\
 10 \\
 \underline{8} \\
 20 \\
 \underline{20} \\
 0
 \end{array}$$

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

- Practice and review basic division facts with your child.
- Challenge your child (and the rest of the family!) to division contests. You say a number from 1 to 10, and your child will say division sentences, using your number as the divisor. For example, you say 9, and she will say $90 \div 9 = 10$, $81 \div 9 = 9$, $72 \div 9 = 8$, $63 \div 9 = 7$, $54 \div 9 = 6$, $45 \div 9 = 5$, $36 \div 9 = 4$, $27 \div 9 = 3$, $18 \div 9 = 2$, $9 \div 9 = 1$, $0 \div 9 = 0$. Take turns saying the numbers. First you give a number, then your child gives a number. Help each other to stay on track, and keep track of time to celebrate improvement.
- Practice finding the **quotient** with your child. You write the division sentence, and your child will say the division sentence, including the answer, in unit form. For example,
 - $14 \div 2 = 14 \text{ ones} \div 2 = 7 \text{ ones}$
 - $1.4 \div 2 = 14 \text{ tenths} \div 2 = 7 \text{ tenths}$
 - $0.14 \div 2 = 14 \text{ hundredths} \div 2 = 7 \text{ hundredths}$

TERMS

Quotient: The number resulting from the division of two numbers. For example, in the division problem $5.4 \div 6 = 0.9$, the number 0.9 is the quotient.