

## KEY CONCEPT OVERVIEW

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

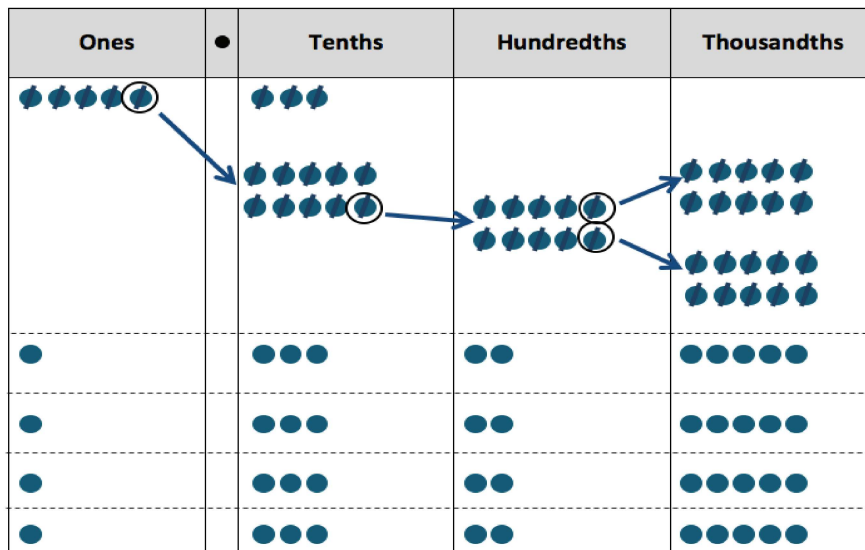
You can expect to see homework that asks your child to do the following:

- 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.

$$5.3 \div 4 = 1.325$$



$$\begin{array}{r}
 1.325 \\
 4 \overline{) 5.300} \\
 \underline{- 4} \phantom{00} \\
 13 \phantom{0} \\
 \underline{- 12} \phantom{0} \\
 10 \\
 \underline{- 8} \\
 20 \\
 \underline{- 20} \\
 0
 \end{array}$$

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

**HOW YOU CAN HELP AT HOME**

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- 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**

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**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.