

KEY CONCEPT OVERVIEW

In Lessons 21 through 24, students work with fraction multiplication and compare the size of the product with the size of the factors. They also apply their understanding to real-world multi-step problems.

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

- Write fractions as equivalent decimals (as shown in the Sample Problem below).
- Fill in the unknown number in an inequality expression.
- Solve word problems involving multiplication of fractions and decimals.

SAMPLE PROBLEM (From Lesson 21)

Express the fraction as an equivalent decimal.

$$\frac{13}{20} \times \frac{5}{5} = \frac{13 \times 5}{20 \times 5} = \frac{65}{100} = 0.65$$

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

- At the dinner table or on the go, have your child practice writing amounts of money less than one dollar as fractions and decimals. For example:

$$7 \text{ cents} = \frac{7}{100} \text{ dollar} = \$0.07$$

$$25 \text{ cents} = \frac{25}{100} \text{ dollar} = \$0.25$$

$$89 \text{ cents} = \frac{89}{100} \text{ dollar} = \$0.89$$

Try to stump each other!

- Play the Compare the Decimals card game with your child.
 - Take out the jacks, queens, kings, and jokers.
 - Put the stack of remaining cards facedown.
 - Flip one, two, or three cards to represent a decimal number, as described below.
 - Have your child flip the same number of cards that you flipped to represent another decimal number.
 - Write the two decimal numbers and ask her to compare them.

For example, flip one card to represent tenths. You flip the number 1. It represents the decimal number 0.1. Your child flips the number 9. It represents the decimal number 0.9. You write $0.1 \underline{\quad} 0.9$. She writes $0.1 < 0.9$.

NOTE:

Flip two cards to represent hundredths (e.g., the numbers 6 and 5 represent the decimal number 0.65).

Flip three cards to represent thousandths (e.g., the numbers 3, 7, and 8 represent the decimal number 0.378).

Flip four cards to represent ones and thousandths (e.g., the numbers 6, 2, 4, and 5 represent the number 6.245).