

KEY CONCEPT OVERVIEW

In Lessons 32 and 33, students interpret and evaluate numerical expressions that involve fractions. They also apply their skills in real-world contexts.

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

- Write and evaluate numerical expressions.
- Solve word problems involving the multiplication and division of fractions and decimals.
- Create word problems that are modeled by a tape diagram or a numerical expression.

SAMPLE PROBLEM (From Lesson 32)

Write an equivalent expression in numerical form.

Half as much as the difference of $2\frac{5}{6}$ and $\frac{1}{3}$.

$$\left(2\frac{5}{6} - \frac{1}{3}\right) \div 2$$

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

- Review your child’s homework with him. Choose a couple of different problems. Ask him to explain his thinking on those problems and the steps he used to work through them.

- Play the Multiply Decimals by 10, 100, and 1,000 dice game to review the multiplication of decimals with your child. Use one die to represent tenths, two dice to represent hundredths, and three dice to represent thousandths.
 1. Your child rolls the die or dice.
 2. Using the number(s) rolled, you write the multiplication expressions ($\times 10$, $\times 100$, $\times 1,000$) and ask her to evaluate the expressions.

For example, your child rolls the number 5. It represents the decimal number 0.5. You write the multiplication expressions 0.5×10 , 0.5×100 , and $0.5 \times 1,000$. She evaluates them as $0.5 \times 10 = 5$, $0.5 \times 100 = 50$, and $0.5 \times 1,000 = 500$.

Your child rolls the numbers 2 and 3. They represent the decimal number 0.23. The evaluated multiplication sentences will be $0.23 \times 10 = 2.3$, $0.23 \times 100 = 23$, and $0.23 \times 1,000 = 230$.

Your child rolls the numbers 6, 1, and 4. They represent the decimal number 0.614. The evaluated multiplication sentences will be $0.614 \times 10 = 6.14$, $0.614 \times 100 = 61.4$, and $0.614 \times 1,000 = 614$.