

## KEY CONCEPT OVERVIEW

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In Lessons 13 through 16, students learn to estimate and calculate **sums** and **differences** with fractions. They also apply their skills with fractions in real-world contexts.

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

- Estimate the sums and differences of fraction problems.
- Add and subtract fractions mentally.
- Solve fraction word problems.

## SAMPLE PROBLEM (From Lesson 14)

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Rearrange the terms so you can add or subtract mentally. Then solve.

$$\begin{aligned} & \frac{2}{3} + \frac{1}{5} + \frac{1}{3} + 1\frac{4}{5} \\ &= \left( \frac{2}{3} + \frac{1}{3} \right) + \left( \frac{1}{5} + 1\frac{4}{5} \right) \\ &= 1 + 2 \\ &= 3 \end{aligned}$$

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 the Call and Response activity with your child. You say a fraction less than 1. Your child says the fraction with the same denominator that makes 1 when added to your fraction. For example, you say, “ $\frac{1}{3}$ .” He says, “ $\frac{2}{3}$ .”
- Play the Comparing Fractions dice game with your child.
  1. Roll two dice.
  2. Have your child roll two dice.
  3. Arrange each pair of dice as a fraction, using the smaller number rolled as the numerator and the larger number rolled as the denominator.
  4. Write the two fractions and ask, “Which fraction is closer to 1 whole?”

For example, you roll the numbers 2 and 3. They represent the fraction  $\frac{2}{3}$ . Your child rolls the numbers 6 and 1. They represent the fraction  $\frac{1}{6}$ . You write  $\frac{2}{3}$  and  $\frac{1}{6}$ , and ask, “Which fraction is closer to 1 whole?” He says, “ $\frac{2}{3}$ .”

**TERMS**

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**Difference:** The answer to a subtraction problem. For example, in  $0.5 - 0.2 = 0.3$ , the number 0.3 is the difference.

**Sum:** The result of adding two or more numbers. For example, in  $0.3 + 0.2 = 0.5$ , the number 0.5 is the sum.