EUREKA MATH™ TIPS FOR PARENTS

KEY CONCEPT OVERVIEW

In Lessons 6 through 9, students learn to multiply a fraction by a whole number.
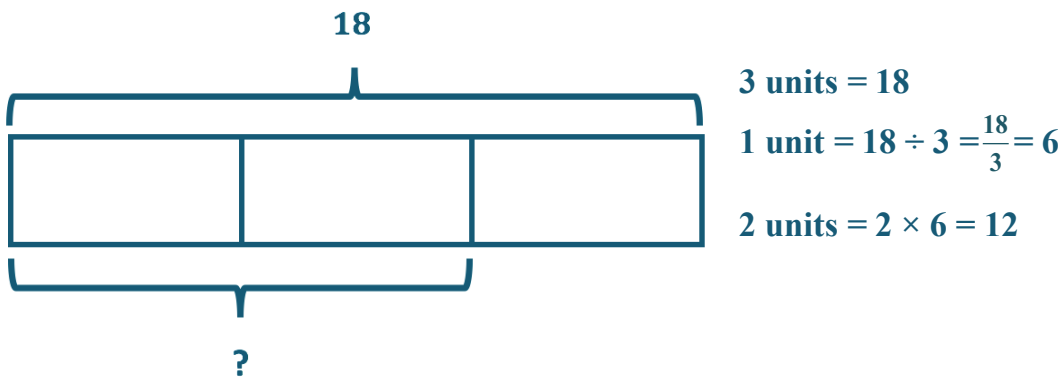
You can expect to see homework that asks your child to do the following:

▪ Draw a picture and a tape diagram to represent multiplication of a fraction by a whole number, and then solve.

▪ Solve measurement conversion problems.

▪ Solve word problems that involve multiplying a fraction by a whole number and finding a fraction of a measurement.

SAMPLE PROBLEM   *(From Lesson 7)*

Solve by using a tape diagram.

$\frac{2}{3}$ of 18

18

3 units = 18

1 unit = 18 ÷ 3 = $\frac{18}{3}$ = 6

2 units = 2 × 6 = 12

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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

- Use fruits or vegetables to illustrate fractions. If necessary, help your child put the fruits or vegetables into equal groups and then count them. Some examples include the following:

  □ There are 18 strawberries in a box. What is $\frac{1}{3}$ of 18 strawberries? (6 strawberries)

  □ There are 25 blueberries in a box. What is $\frac{3}{5}$ of 25 blueberries? (15 blueberries)

  □ There are 30 grape tomatoes in a box. What is $\frac{5}{6}$ of 30 grape tomatoes? (25 grape tomatoes)

- Play the Fraction Multiplication card game with your child.
  1. Take out the jacks, queens, kings, aces, and jokers.
  2. Put the stack of remaining cards facedown.
  3. Flip two cards to represent a fraction. Use the smaller number as the numerator and the larger number as the denominator.
  4. Have your child flip one card to represent a whole number.
  5. Write the multiplication expression of the fraction times the whole number, and ask your child to solve.

For example, you flip the numbers 3 and 5. They represent the fraction $\frac{3}{5}$. Your child flips the number 7. You write $\frac{3}{5} \times 7$. He writes $\frac{3}{5} \times 7 = \frac{3 \times 7}{5} = \frac{21}{5} = 4\frac{1}{5}$.