

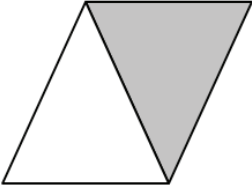
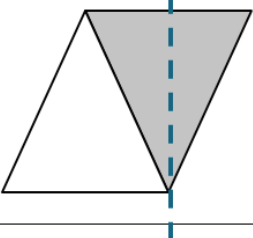
KEY CONCEPT OVERVIEW

In Lessons 10 through 13, students reason with and compare unit fractions based on the same whole.

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

- Compare unit fractions (fractions with a 1 in the numerator) by using fraction strips.
- Partition the same objects into different unit fractions and write a true comparison statement.
- Complete the drawing of a larger shape that represents one whole, when given the shape of a unit fraction.
- Identify a shaded part in different ways depending on what is defined as one whole. (See Sample Problem.)

SAMPLE PROBLEM (From Lesson 13)

The shape represents 1 whole. Write a unit fraction to describe the shaded part.	The shaded part represents 1 whole. Divide 1 whole to show the same unit fraction you wrote in part (a).
a.  $\frac{1}{2}$	b. 

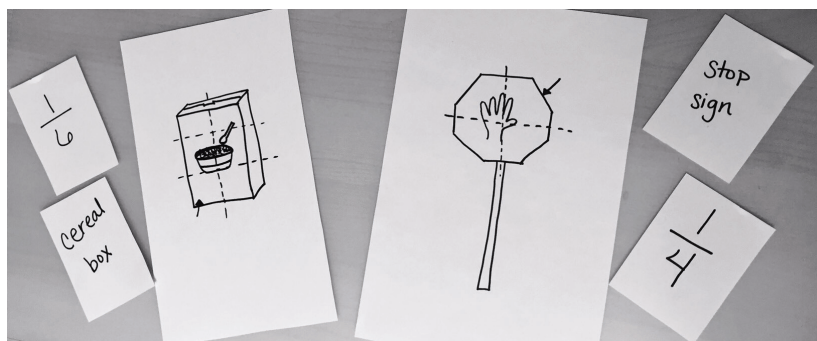
Additional sample problems with detailed answer steps are found in the *Eureka Math Homework Helpers* books. Learn more at GreatMinds.org.

HOW YOU CAN HELP AT HOME

- Play Guess My Fraction Drawing with your child.

1. Write the following five unit fractions on index cards, one fraction per card: $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{6}$, and $\frac{1}{8}$. Place the cards facedown in a pile.

2. On a second set of five cards, write the names of the following five objects: a volleyball, a stop sign, a cereal box, a rectangular TV screen, and a computer keyboard. You might also come up with other objects that can easily be divided into fractions. Place the cards facedown in another pile.



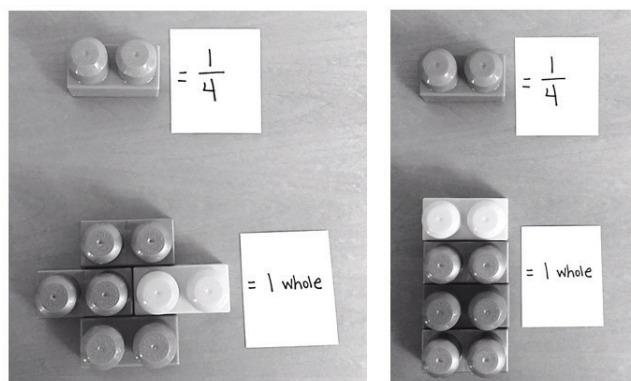
3. The first player chooses one card from the fraction pile and one card from the object pile, keeping both cards hidden from the other player(s). The first player then attempts to draw just the unit fraction of that object (e.g., $\frac{1}{4}$). The other player(s) try to guess what the object is and what fraction is being depicted. (See image above.)

4. The player who guesses correctly scores 1 point. The next player repeats Step 3. Continue taking turns until someone reaches 10 points.

Place used cards face up, in separate object and fraction piles, off to the side. When all the cards have been used, shuffle each pile, turn them facedown, and keep playing! There will be new combinations.

- Use building blocks or snap block sets. Designate one block to represent a particular unit fraction, and ask your child to build one whole by using other same-sized blocks. For example, show your child a block and say, “This is $\frac{1}{4}$. Let’s build what one whole could look like!” You can make several different representations. (See images at right.)

Discuss why your representations are correct.



You can also play the game the other way. Build something simple to represent one whole by using several same-sized blocks, and tell your child, “This is one whole. How many equal-sized units did I use? What fraction is each block?” Let your child then build something to represent one whole for you to guess what unit fraction was used.