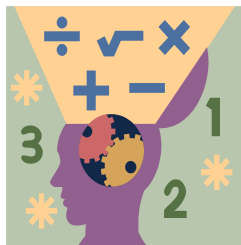


Name: \_\_\_\_\_ Section: \_\_\_\_\_



### **Homework**

Greetings, Scholar and Parents! This week, we start **Chapter 10 – Fraction Multiplication**. Fraction multiplication is itself straight-forward, but leads to remarkable results and its effects require deep understanding to succeed on the fast. It is absolutely essential that students have a solid mastery of multiplication to speed along their solving of higher level problems.

### **Extra Practice**

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL and see **“From Your Teacher”** section. These are recommended for reinforcement.

- [Divide unit fractions and whole numbers](#)
- [Divide unit fractions and whole numbers using area models](#)
- [Relate division and fractions](#)
- [Understand fractions as division: word problems](#)
- [Divide unit fractions and whole numbers: word problems](#)
- [Divide whole numbers by unit fractions using models](#)

### **Notes**

**This homework assignment is due on Sunday, November 9<sup>th</sup>.** Students must prove and show all their work in the provide space. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on HMH. Please feel free to contact me with any questions or concerns at [peter.vanegas@archimedean.org](mailto:peter.vanegas@archimedean.org).

|                  |                          |  |
|------------------|--------------------------|--|
| <u>Monday</u>    | November 3 <sup>rd</sup> | <b>NO SCHOOL.</b>                            |
| <u>Tuesday</u>   | November 4 <sup>th</sup> | 11.1   |
| <u>Wednesday</u> | November 5 <sup>th</sup> | 11.3 <b>then</b> 11.2                        |
| <u>Thursday</u>  | November 6 <sup>th</sup> | 11.4   |
| <u>Friday</u>    | November 7 <sup>th</sup> | <b>STUDY GUIDE:</b> Mult. & Divide Fractions |

Name \_\_\_\_\_

# Divide Whole Numbers and Unit Fractions

Go Online

Interactive Examples

Divide.

4.  $1 \div \frac{1}{5} =$  \_\_\_\_\_

5.  $\frac{1}{6} \div 3 =$  \_\_\_\_\_

6.  $4 \div \frac{1}{6} =$  \_\_\_\_\_

7.  $3 \div \frac{1}{3} =$  \_\_\_\_\_

8.  $\frac{1}{4} \div 6 =$  \_\_\_\_\_

9.  $5 \div \frac{1}{4} =$  \_\_\_\_\_

## Problem Solving

10. Thuy can run  $\frac{1}{10}$  mile per minute. How many minutes will it take Thuy to run 3 miles?

\_\_\_\_\_

11. Derrick has 3 yards of ribbon to use for wrapping gifts. He cuts the ribbon into pieces that are  $\frac{1}{4}$  yard long. How many pieces of ribbon does Derrick have?

\_\_\_\_\_

## Lesson Check

**13.** Olivia cuts half of a loaf of bread into 4 equal parts. What fraction of the whole loaf does each of the 4 parts represent?

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**14.** When you divide a fraction less than 1 by a whole number greater than 1, is the quotient less than, greater than, or equal to the dividend?

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# Interpret a Fraction as Division

Go Online

Interactive Examples

Complete the equation to solve.

1. Six students share 8 apples equally. How many apples does each student get?

$$8 \div 6 = \underline{\frac{8}{6}, \text{ or } 1\frac{2}{6}}$$

2. Ten boys share 7 cereal bars equally. What fraction of a cereal bar does each boy get?

$$7 \div 10 = \underline{\hspace{2cm}}$$

3. Eight friends share 12 burritos equally. How many burritos does each friend get?

$$12 \div 8 = \underline{\hspace{2cm}}$$

4. Three girls share 8 yards of fabric equally. How many yards of fabric does each girl get?

$$8 \div 3 = \underline{\hspace{2cm}}$$

5. Five bakers share 2 loaves of bread equally. What fraction of a loaf of bread does each baker get?

$$2 \div 5 = \underline{\hspace{2cm}}$$

6. Nine friends share 6 bananas equally. What fraction of a banana does each friend get?

$$6 \div 9 = \underline{\hspace{2cm}}$$

## Problem Solving

7. There are 12 students in a jewelry-making class and 8 sets of charms. What fraction of a set of charms will each student get?

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8. Five friends share 6 fruit snacks equally. How many fruit snacks will each friend get?

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## Lesson Check

10. Four friends share 8 bunches of grapes equally. How many bunches of grapes will each friend get?
11. Ten students share 8 pieces of poster board equally. What fraction of a piece of poster board does each student get?

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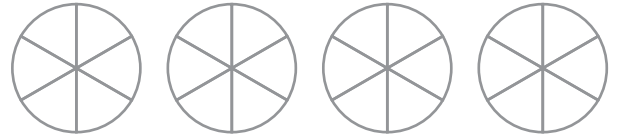
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# Relate Multiplication and Division of Fractions

Go Online

Interactive Examples

1. Sebastian bakes 4 pies and cuts each pie into sixths.  
How many  $\frac{1}{6}$ -size pie slices does he have?



To find the total number of sixths in the 4 pies, multiply the number of sixths in each pie by the number of pies.  $4 \div \frac{1}{6} = 4 \times 6 = 24$  one-sixth-pie slices

2. Ali has 2 vegetable pizzas that she cuts into eighths.  
How many  $\frac{1}{8}$ -size pieces does she have?

\_\_\_\_\_

3. A baker has 6 loaves of bread. Each loaf weighs 1 pound. He cuts each loaf into thirds. How many  $\frac{1}{3}$ -pound loaves of bread does the baker now have?

\_\_\_\_\_

4. Suppose the baker has 4 loaves of bread and cuts the loaves into halves. How many  $\frac{1}{2}$ -pound loaves of bread would the baker have?

\_\_\_\_\_

5. Madalyn has 3 watermelons that she cuts into halves to give to her neighbors. How many neighbors will get a  $\frac{1}{2}$ -size piece of watermelon?

\_\_\_\_\_

6. For 6a–6c, select whether each equation is True or False.

6a.  $6 \times \frac{1}{3} = 18$                        True       False

6b.  $20 = 5 \div \frac{1}{4}$                        True       False

6c.  $6 + 2 = 4 \div \frac{1}{2}$                        True       False

## Lesson Check

8. Lucetta has 12 pieces of fabric and cuts each piece into fourths. How many  $\frac{1}{4}$ -size pieces of fabric does she have?
9. Josue has 3 chicken pot pies that he cuts into thirds. How many  $\frac{1}{3}$ -size chicken pot pies does he have?

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Name \_\_\_\_\_

## Fraction and Whole-Number Division

Go Online

Interactive Examples

1.  $3 \div \frac{1}{2}$

\_\_\_\_\_

2.  $\frac{1}{5} \div 3$

\_\_\_\_\_

3.  $2 \div \frac{1}{8}$

\_\_\_\_\_

5.  $5 \div \frac{1}{4}$

\_\_\_\_\_

6.  $\frac{1}{2} \div 2$

\_\_\_\_\_

7.  $\frac{1}{4} \div 6$

\_\_\_\_\_

9.  $\frac{1}{5} \div 5$

\_\_\_\_\_

10.  $4 \div \frac{1}{8}$

\_\_\_\_\_

11.  $\frac{1}{3} \div 7$

\_\_\_\_\_

### Problem Solving

13. Isaac has a piece of rope that is 5 yards long. Into how many  $\frac{1}{2}$ -yard pieces of rope can Isaac cut the rope?

\_\_\_\_\_

14. Two friends share  $\frac{1}{2}$  of a pineapple equally. What fraction of a whole pineapple does each friend get?

\_\_\_\_\_

## Lesson Check

16. Sean divides 8 cups of granola into  $\frac{1}{4}$ -cup servings. How many servings of granola does he have?
17. Skylar solved  $\frac{1}{6} \div 5$  by using a related multiplication expression. What multiplication expression did she use?

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