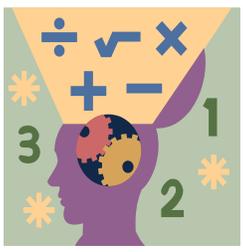


Name: \_\_\_\_\_ Section: \_\_\_\_\_



**Homework**

Greetings Scholar and Parents. We will focus our efforts this week on Chapter 11, *Dividing with Fractions*. Scholars will learn to divide with fractions. **Please do not work ahead on homework assignments.** Failure to complete homework or bring packet to class will result in points deducted. **The chapter 10 & 11 quiz will be this Thursday, April 25<sup>th</sup>.**

**Extra Practice**

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **“What should I work on”** section, scholars will find Teacher Assigned Lessons. From there, you will see a list of lessons reinforcing the daily skills.

- Scaling Whole Numbers by Fractions
- Scaling Fractions by Fractions
- Divide unit fractions by whole numbers using models
- Divide unit fractions by whole numbers
- Divide whole numbers by unit fractions
- Divide unit fractions and whole numbers.

**Notes**

**Completed homework packets should be uploaded or turned in on Monday April 29th, 2024.** 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).

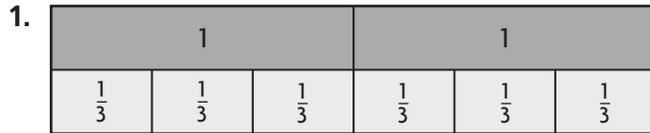
<u>Monday</u>	April 22nd	– 11.1 & 11.2
<u>Tuesday</u>	April 23rd	– 11.3 & 11.4
<u>Wednesday</u>	April 24th	– Multiplying & Dividing Fractions Worksheet
<u>Thursday</u>	April 25th	– Quiz Day
<u>Friday</u>	April 26th	– NONE (Focus Friday)

# Divide Whole Numbers and Unit Fractions

Go Online

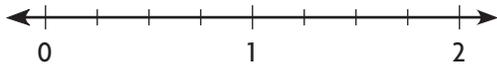
Interactive Examples

Divide and check the quotient.



$$2 \div \frac{1}{3} = \underline{6} \text{ because } \underline{6} \times \frac{1}{3} = 2.$$

2.



$$2 \div \frac{1}{4} = \underline{\quad} \text{ because } \underline{\quad} \times \frac{1}{4} = 2.$$

3.



$$\frac{1}{4} \div 2 = \underline{\quad} \text{ because } \underline{\quad} \times 2 = \frac{1}{4}.$$

Divide. Draw a number line or use fraction strips.

4.  $1 \div \frac{1}{5} = \underline{\quad}$

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

6.  $4 \div \frac{1}{6} = \underline{\quad}$

7.  $3 \div \frac{1}{3} = \underline{\quad}$

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

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

## 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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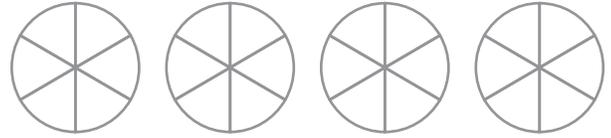
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# Relate Multiplication and Division of Fractions

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 pieces does he have?

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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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# Fraction and Whole-Number Division

Go Online

Interactive Examples

Write a related multiplication equation to solve.

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

$3 \times 2 = 6$

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

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

4.  $\frac{1}{3} \div 4$

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

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

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

8.  $6 \div \frac{1}{5}$

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

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

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

12.  $9 \div \frac{1}{2}$

## 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?

15. **WRITE**  *Math* Tell whether the quotient is greater than or less than the dividend when you divide a whole number by a fraction. Explain your reasoning.

## 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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