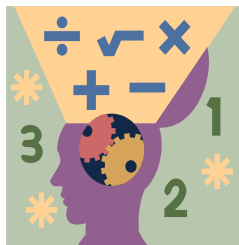


Name: _____ Section: _____



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 25th.**

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.

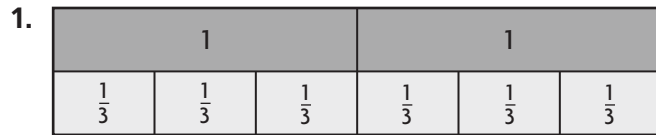
<u>Monday</u>	April 22nd	– 11.1 & 11.2
<u>Tuesday</u>	April 23rd	– 11.3 & 11.4
<u>Wednesday</u>	April 24th	– Multiplying & Dividing Fractions Worksheet
<u>Thursday</u>	April 25th	– Quiz Day
<u>Friday</u>	April 26th	– NONE (Focus Friday)

Divide Whole Numbers and Unit Fractions

Go Online

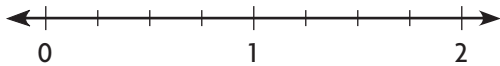
Interactive Examples

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

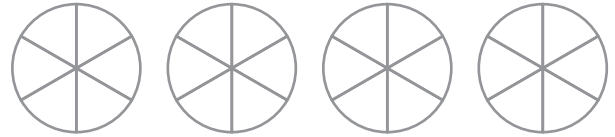
- 13.** Olivia cuts half of a loaf of bread into 4 equal parts. What fraction of the whole loaf does each of the 4 parts represent?
- 14.** When you divide a fraction less than 1 by a whole number greater than 1, is the quotient less than, greater than, or equal to the dividend?

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?

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?

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

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?

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?
