

**AMERICAN MATH HW**  
**WEEK OF November 10 to November 14**

**Due Date: Sunday, 11/16 by midnight**

**Focus for the week:** The focus of the HW this week is Equivalent Fractions & Comparing Fractions

**Pacing guideline:** Look at the top right corner of the page for the suggested pace.

**Uploading Instructions:** Homework will be accepted only through Archie. Upload homework on Archie and wait till you get the message – “**the file has been successfully uploaded**”. If for any reason you have technical issues, get in touch with me as soon as possible.

Paper homework is accepted for valid reasons. In such cases, parents should reach out via email to inform about the same.

**IMPORTANT** – Please show ALL YOUR WORK done to find the answer to any problem to earn FULL CREDIT. No credit is earned when only final answer is written and no work is shown.

**Note:** Bring your homework to class everyday. I will discuss the HW from the previous day in every class. It is important to practice the assigned topics daily because the next day’s instruction builds on the previous lesson.

**ANNOUNCEMENT – Test on Wed 11/12 on content covered last week.**

**Additional Practice Material (Optional):**

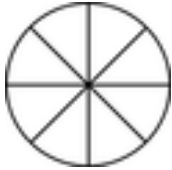
- 1) IXL practice:
  - i. Go to IXL.com on any web browser OR IXL app on iPad
  - ii. Login using following credentials:
    - Username – your\_archie\_username@archimedeanacad
    - Password – archie199
  - iii. Go to Learning> Skills> Fourth Grade Math
  - iv. Practice modules –  
Fourth Grade : All of P and R

# Equivalent fractions

## Grade 4 Fractions Worksheet

Write in the missing fraction and color in the pie charts.

1)

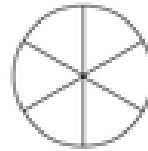


$$\frac{2}{8}$$

=

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2)

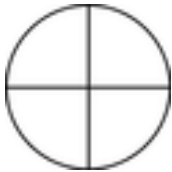


$$\frac{4}{6}$$

=

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3)

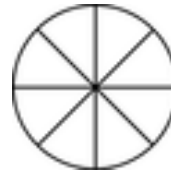


$$\frac{1}{4}$$

=

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4)

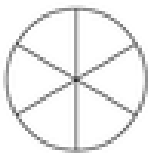


$$\frac{1}{8}$$

=

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5)



$$\frac{2}{6}$$

=

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6)



$$\frac{5}{8}$$

=

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7)



$$\frac{2}{16}$$

=

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8)



$$\frac{4}{8}$$

=

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## Find Equivalent Fractions

**Go Online**

Interactive Examples

Solve each problem.

1. Miranda is braiding her hair. Then she will attach beads to the braid. She wants  $\frac{1}{3}$  of the beads to be red. If the greatest number of beads that will fit on the braid is 12, what other fractions could represent the part of the beads that are red?


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2. Ms. Groves has trays of paints for students in her art class. Each tray has 5 colors. One of the colors in each tray is purple. What fraction of the colors in 20 trays is purple?

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3. Miguel is making an obstacle course for field day. At the end of every sixth of the course, there is a tire. At the end of every third of the course, there is a cone. At the end of every half of the course, there is a hurdle. At which locations of the course will people need to go through more than one obstacle?

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4.  **WRITE** *Math* Draw and compare models of  $\frac{3}{4}$  of a pizza pie and  $\frac{6}{8}$  of a same-size pie.

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## Lesson Check

- A used bookstore will trade 2 of its books for 3 of yours. If Val brings in 18 books to trade, how many books can she get from the store?  

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- Every  $\frac{1}{2}$  hour Naomi stretches her neck; every  $\frac{1}{3}$  hour she stretches her legs; and every  $\frac{1}{6}$  hour she stretches her arms. Which parts of her body will Naomi stretch when  $\frac{2}{3}$  of an hour has passed?  

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## Spiral Review

- At the beginning of the year, the Wong family car had been driven 14,539 miles. At the end of the year, their car had been driven 21,844 miles. How many miles did the Wong family drive their car during that year?  

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- Widget Company made 3,600 widgets in 4 hours. They made the same number of widgets each hour. How many widgets did the company make in one hour?  

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- Tyler is thinking of a number that is divisible by 2 and by 3. Write another number by which Tyler's number must also be divisible.  

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- Jessica drew a circle divided into 8 equal parts. She shaded 6 of the parts. What fraction is equivalent to the part of the circle that is shaded?  

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# Compare and Order Fractions

Go Online

Interactive Examples

Write the fractions in order from least to greatest. Use a number line, if needed.

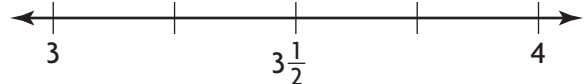
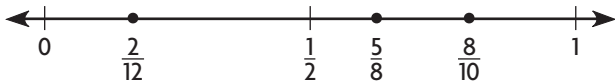
1.  $\frac{5}{8}, \frac{2}{12}, \frac{8}{10}$

2.  $3\frac{1}{5}, 3\frac{2}{3}, 3\frac{5}{8}$

Use benchmarks and a number line.

Think:  $\frac{5}{8}$  is close to  $\frac{1}{2}$ .  $\frac{2}{12}$  is close to 0.

$\frac{8}{10}$  is close to 1.



$$\frac{2}{12} < \frac{5}{8} < \frac{8}{10}$$

3.  $\frac{1}{2}, \frac{2}{5}, \frac{6}{10}$

4.  $\frac{12}{6}, \frac{6}{4}, \frac{13}{5}$

5.  $\frac{1}{4}, \frac{5}{8}, \frac{1}{2}$

## Problem Solving

6. Kami's math notebook weighs  $\frac{1}{2}$  pound, her science notebook weighs  $\frac{7}{8}$  pound, and her history notebook weighs  $\frac{3}{4}$  pound. What are the weights in order from lightest to heaviest?

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7. Jure has three picture frames. The thicknesses of the frames are  $\frac{4}{5}$  inch,  $\frac{3}{12}$  inch, and  $\frac{5}{6}$  inch. What are the thicknesses in order from least to greatest?

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8.  *Math* How is ordering fractions on a number line similar to and different from ordering whole numbers on a number line?

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## Lesson Check

9. Juan's three math quizzes this week took him  $\frac{1}{3}$  hour,  $\frac{4}{6}$  hour, and  $\frac{1}{5}$  hour to complete. List the lengths of time in order from least to greatest.
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10. On three days last week, Maria ran  $\frac{3}{4}$  mile,  $\frac{7}{8}$  mile, and  $\frac{3}{5}$  mile. List the distances in order from least to greatest.
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## Spiral Review

11. Santiago collects 435 cents in nickels. How many nickels does he collect?
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12. Lisa has 3 classes that each last 50 minutes. What is the total number of minutes of the 3 classes?
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13. Lenka wrote these numbers: 2, 9, 15, 21. Which of Lenka's numbers is NOT a composite number?
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14. Mrs. Traore serves  $\frac{6}{8}$  of a loaf of bread with dinner. Write a fraction with a denominator of 4 that is equivalent to  $\frac{6}{8}$ .
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