

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



### **Homework:**

This week we will continue Chapter 18 (Compare Fractions and Identify Equivalent Fractions). Please complete homework daily based on the schedule provided below.

**Please do not work ahead on homework assignments.**

**Quiz: Scholars will complete a quiz on Tuesday, April 2nd (comparing fractions)**

### **Reminders:**

Please have your child use Reflex Math to master and reinforce their fact fluency. The 3rd Grade curriculum depends on a strong foundation in multiplication and division facts.

Additional practice is available on HMH.

### **Notes:**

Please upload homework packet on Archie no later than **Sunday, April 7th**.

Feel free to contact me with any questions or concerns at [diana.charaf@archimedean.org](mailto:diana.charaf@archimedean.org)

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<b>Monday, April 1st</b>	<b>pages: 829, 830, 835</b>
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<b>Tuesday, April 2nd</b>	<b>pages: 836, 841, 842</b>
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<b>Wednesday, April 3rd</b>	<b>pages: 847, 848</b>
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<b>Thursday, April 4th</b>	<b>pages: 853, 854</b>
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<b>Friday, April 5th</b>	<b>pages: 859, 860</b>
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# Compare Fractions Using Visual Models

**Go Online**

Interactive Examples

**Solve.**

1. Luis skates  $\frac{2}{3}$  mile from his home to school.  
Isabella skates  $\frac{2}{4}$  mile to get to school. Who skates farther?

**Think:** Use fraction strips to model the problem.

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Luis

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2. Sandra makes a pizza. She puts mushrooms on  $\frac{2}{8}$  of the pizza. She adds green peppers to  $\frac{5}{8}$  of the pizza. Which topping covers more of the pizza?

3. The jars of paint in the art room have different amounts of paint. The green paint jar is  $\frac{4}{8}$  full. The purple paint jar is  $\frac{4}{6}$  full. Which paint jar is less full?

4. Winola has a recipe for bread. She uses  $\frac{2}{3}$  cup of flour and  $\frac{1}{3}$  cup of chopped onion. Which ingredient does she use more of, flour or onion?

5.  **WRITE** *Math* Explain how you can find whether  $\frac{5}{6}$  or  $\frac{5}{8}$  is greater.

Lesson Check

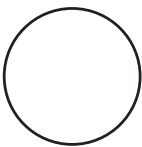
6. Ali and Jonah collect seashells in identical buckets. When they are finished, Ali’s bucket is  $\frac{2}{6}$  full and Jonah’s bucket is  $\frac{3}{6}$  full. Compare the fractions using  $>$ ,  $<$  or  $=$ .
7. Rosa paints a wall in her bedroom. She puts green paint on  $\frac{5}{10}$  of the wall and blue paint on  $\frac{5}{6}$  of the wall. Compare the fractions using  $>$ ,  $<$  or  $=$ .

$\frac{3}{6} \bigcirc \frac{2}{6}$

$\frac{5}{6} \bigcirc \frac{5}{10}$

Spiral Review

8. Rikard divides a pie into eighths. How many equal parts are there?
9. Draw lines to divide the circle into 4 equal parts.



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10. Orlan places 30 pictures on his bulletin board in 6 equal rows. How many pictures are in each row?
11. Describe a pattern in the table.

Tables	1	2	3	4	5
Chairs	5	10	15	20	25

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# Compare Fractions with the Same Denominator

**Go Online**

Interactive Examples

Compare. Write  $<$ ,  $>$ , or  $=$ .

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

2.  $\frac{3}{6} \bigcirc \frac{0}{6}$

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

4.  $\frac{5}{6} \bigcirc \frac{6}{6}$

5.  $\frac{7}{10} \bigcirc \frac{5}{10}$

6.  $\frac{2}{3} \bigcirc \frac{3}{3}$

7.  $\frac{8}{8} \bigcirc \frac{0}{8}$

8.  $\frac{1}{6} \bigcirc \frac{1}{6}$

9.  $\frac{3}{4} \bigcirc \frac{2}{4}$

10.  $\frac{1}{6} \bigcirc \frac{2}{6}$

11.  $\frac{1}{5} \bigcirc \frac{0}{5}$

12.  $\frac{3}{8} \bigcirc \frac{3}{8}$

13.  $\frac{1}{4} \bigcirc \frac{4}{4}$

14.  $\frac{5}{12} \bigcirc \frac{4}{12}$

15.  $\frac{4}{6} \bigcirc \frac{6}{6}$


## Problem Solving

16. Hahn mowed  $\frac{5}{6}$  of his lawn in one hour. John mowed  $\frac{4}{6}$  of his lawn in one hour. Who mowed less of his lawn in one hour?

17. Darcy baked 8 muffins. She put blueberries in  $\frac{5}{8}$  of the muffins. She put raspberries in  $\frac{3}{8}$  of the muffins. Did more muffins have blueberries or raspberries?

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18.  **WRITE** *Math* Explain how you can use reasoning to compare two fractions with the same denominator.

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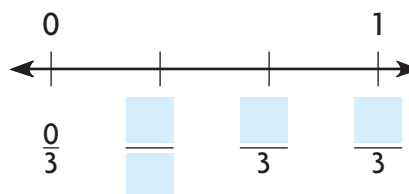
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## Lesson Check

19. Kerstin paints  $\frac{2}{6}$  of a wall in her room white. She paints more of the wall green than white. What fraction could show the part of the wall that is green?

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20. Complete the fractions on the number line. Which fraction is greater,  $\frac{1}{3}$  or  $\frac{2}{3}$ ?



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## Spiral Review

21. Mr. Schaffer buys 2 new knobs for each of his kitchen cabinets. The kitchen has 9 cabinets. How many knobs does he buy?

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22. Otylia builds a new bookcase with 8 shelves. She can put 30 books on each shelf. How many books can the bookcase hold?

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23. The Good Morning Café has 28 customers for breakfast. There are 4 people sitting at each table. How many tables are filled?

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24. Zenzi wants to use the Commutative Property of Multiplication to help find the product  $5 \times 4$ . What equation can she use?

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# Compare Fractions with the Same Numerator

Go Online

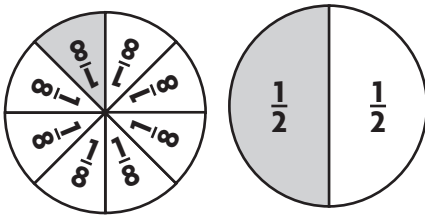
Interactive Examples

Compare. Write  $<$ ,  $>$ , or  $=$ .

1.  $\frac{1}{8} \bigcirc \frac{1}{2}$

2.  $\frac{3}{8} \bigcirc \frac{3}{6}$

3.  $\frac{2}{3} \bigcirc \frac{2}{4}$



4.  $\frac{2}{8} \bigcirc \frac{2}{3}$

5.  $\frac{3}{6} \bigcirc \frac{3}{4}$

6.  $\frac{1}{12} \bigcirc \frac{1}{5}$

7.  $\frac{5}{6} \bigcirc \frac{5}{8}$

8.  $\frac{4}{10} \bigcirc \frac{4}{10}$

9.  $\frac{6}{8} \bigcirc \frac{6}{6}$


## Problem Solving

10. Javier is buying food in the lunch line. The tray of salad plates is  $\frac{3}{8}$  full. The tray of fruit plates is  $\frac{3}{4}$  full. Which tray is more full?

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11. Deja bought some buttons. Of the buttons,  $\frac{2}{4}$  are yellow and  $\frac{2}{8}$  are red. Deja bought more of which color buttons?

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12.  **WRITE** *Math* Explain how the number of equal pieces in a whole relates to the size of each piece.

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## Lesson Check

13. What symbol makes the statement true? Write  $<$ ,  $>$ , or  $=$ .
14. What symbol makes the statement true? Write  $<$ ,  $>$ , or  $=$ .

$$\frac{3}{4} \bigcirc \frac{3}{8}$$

$$\frac{2}{12} \bigcirc \frac{2}{3}$$

## Spiral Review

15. Anita divided a circle into 6 equal parts and shaded 1 of the parts. What fraction names the part she shaded?
16. What fraction names the shaded part of the rectangle?



17. Chip worked at the animal shelter for 6 hours each week for several weeks. He worked for a total of 42 hours. How many weeks did Chip work at the animal shelter?
18. Mr. Briar has 20 quarters. If he gives 4 quarters to each of his children, how many children does Mr. Briar have?

# Use Reasoning to Compare Fractions

**Go Online**

Interactive Examples

Compare. Write  $<$ ,  $>$ , or  $=$ . Write the strategy you used.

1.  $\frac{3}{8} \bigcirc \frac{3}{4}$

2.  $\frac{2}{3} \bigcirc \frac{4}{3}$

3.  $\frac{3}{10} \bigcirc \frac{1}{10}$

**Think:** The numerators are the same. Compare the denominators. The greater fraction will have the lesser denominator.

same numerator

Name a fraction that is less than or greater than the given fraction. Draw to justify your answer.

4. greater than  $\frac{1}{3}$  —

5. less than  $\frac{3}{4}$  —

## Problem Solving

6. At the third-grade party, two groups each had their own pizza. The blue group ate  $\frac{7}{12}$  pizza. The green group ate  $\frac{2}{12}$  pizza. Which group ate more of their pizza?

7. Jacques and Antonio both take the same bus to school. Jacques's ride is  $\frac{7}{8}$  mile. Antonio's ride is  $\frac{7}{12}$  mile. Who has a longer bus ride?

8.  **WRITE** *Math* Explain how to use a number line to compare two fractions. Include a diagram with your explanation.



## Lesson Check

9. Compare  $\frac{2}{3}$  and  $\frac{7}{3}$ . Write  $<$ ,  $>$ , or  $=$ .

10. What symbol makes the statement true? Write  $<$ ,  $>$ , or  $=$ .

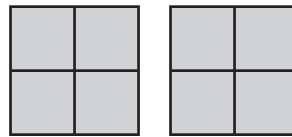
$$\frac{2}{3} \bigcirc \frac{7}{3}$$

$$\frac{2}{5} \bigcirc \frac{2}{6}$$

## Spiral Review

11. Cam, Laverne, and Mauve each picked 40 apples. They put all their apples in one crate. How many apples are in the crate?

12. Each shape is 1 whole. What fraction is represented by the shaded part of the model?



13. What related multiplication fact can you use to find  $16 \div \blacksquare = 2$ ?

14. What is the unknown factor?

$$9 \times \blacksquare = 36$$

# Compare and Order Fractions

**Go Online**

Interactive Examples

Write the fractions in order from greatest to least.

1.  $\frac{4}{4}, \frac{1}{4}, \frac{3}{4}$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

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

**Think:** The denominators are the same, so compare the numerators:  $4 > 3 > 1$ .

3.  $\frac{1}{3}, \frac{1}{6}, \frac{1}{2}$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

4.  $\frac{14}{5}, \frac{14}{10}, \frac{14}{12}$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Write the fractions in order from least to greatest.

5.  $\frac{2}{4}, \frac{4}{4}, \frac{3}{4}, \frac{5}{4}$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6.  $\frac{20}{6}, \frac{13}{6}, \frac{9}{6}$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

## Problem Solving

7. Mr. Hildebrand ran  $\frac{7}{8}$  mile on Monday. He ran  $\frac{3}{8}$  mile on Wednesday and  $\frac{5}{8}$  mile on Friday. On which day did Mr. Hildebrand run the shortest distance?

8. Delia has three pieces of ribbon. Her red ribbon is  $\frac{2}{4}$  foot long. Her green ribbon is  $\frac{2}{3}$  foot long. Her yellow ribbon is  $\frac{2}{6}$  foot long. She wants to use the longest piece for a project. Which color ribbon should Delia use?

9.  **WRITE** *Math* Describe how fraction strips can help you order fractions.

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## Lesson Check

10. Write the fractions in order from least to greatest.

$$\frac{1}{12}, \frac{1}{5}, \frac{1}{10}$$

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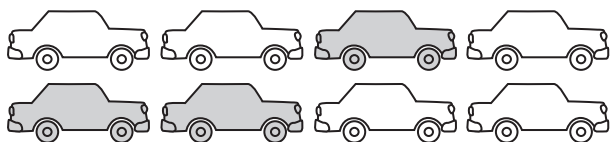
11. Write the fractions in order from greatest to least.

$$\frac{3}{6}, \frac{3}{4}, \frac{3}{8}$$

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## Spiral Review

12. What fraction of the group of cars is shaded?



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13. Dejon has 6 pieces of fruit. Of these, 2 pieces are bananas. What fraction of Dejon's fruit is bananas?

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14. What is the area of a rectangle with length 12 centimeters and width 11 centimeters?

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15. The equation is an example of which multiplication property?

$$6 \times 7 = (6 \times 5) + (6 \times 2)$$

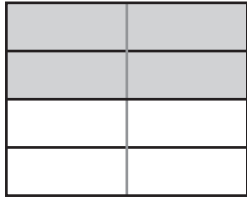
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# Model Equivalent Fractions

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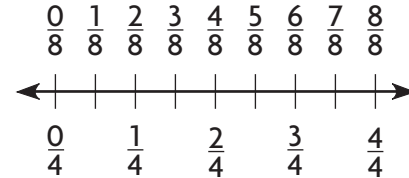
Interactive Examples

1. Shade the model. Then divide the pieces to find the equivalent fraction.



$$\frac{2}{4} = \frac{4}{8}$$

2. Is  $\frac{3}{4}$  equivalent to  $\frac{5}{8}$ ,  $\frac{6}{8}$ ,  $\frac{7}{8}$ , or  $\frac{8}{8}$ ? Use the number line to decide.




$$\frac{3}{4} = \frac{\quad}{8}$$

## Problem Solving

3. Obert says that  $\frac{5}{5}$  of his fraction model is shaded blue. Ryan says that  $\frac{10}{10}$  of the same model is shaded blue. Are the two fractions equivalent? If so, what is another equivalent fraction?
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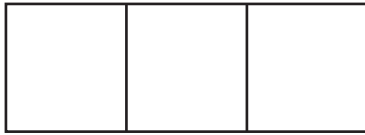
4. Roswald shaded  $\frac{6}{12}$  of a sheet of notebook paper. Aisha says he shaded  $\frac{1}{2}$  of the paper. Are the two fractions equivalent? If so, what is another equivalent fraction?
- \_\_\_\_\_

5.  **WRITE** *Math* Draw a number line that shows two equivalent fractions. Label your number line and explain how you know the fractions are equivalent.
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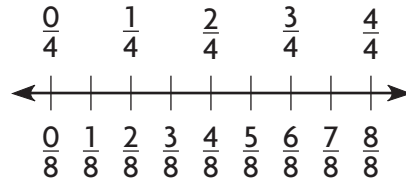
6. Are  $\frac{1}{5}$  and  $\frac{3}{10}$  equivalent fractions? Draw a shape and divide it into fifths. Shade one fifth. Then divide the shape into tenths. Use the new equal parts to decide.
- \_\_\_\_\_

## Lesson Check

7. Are  $\frac{2}{3}$  and  $\frac{4}{6}$  equivalent fractions? Shade  $\frac{2}{3}$  of the figure, then divide the figure into more equal parts to help you decide.



8. Find the fraction equivalent to  $\frac{1}{4}$ .



## Spiral Review

9. Lando practiced piano and guitar for a total of 8 hours this week. He practiced the piano for  $\frac{1}{4}$  of that time. How many hours did Lando practice the piano this week?

10. Tawanda bought a pack of 12 cookies. One-third of the cookies are peanut butter. How many of the cookies in the pack are peanut butter?

11. There are 56 students going to the game. The coach puts 7 students in each van. How many vans are needed to take the students to the game?

12. Write a division equation for the picture.

