



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

Monday, April 1st pages: 829, 830, 835

Tuesday, April 2nd pages: 836, 841, 842

Wednesday, April 3rd pages: 847, 848

Thursday, April 4th pages: 853, 854

Friday, April 5th pages: 859, 860

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.

Luis

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.
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Lesson Check

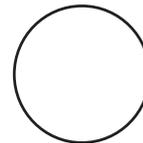
6. Ali and Jonah collect seashells in identical buckets. When they are finished, Ali's bucket is $\frac{2}{6}$ full and Jonah's bucket is $\frac{3}{6}$ full. Compare the fractions using $>$, $<$ or $=$.
7. Rosa paints a wall in her bedroom. She puts green paint on $\frac{5}{10}$ of the wall and blue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



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

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

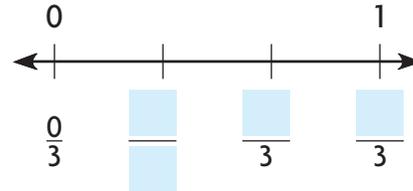
16. Hahn mowed $\frac{5}{6}$ of his lawn in one hour. John mowed $\frac{4}{6}$ of his lawn in one hour. Who mowed less of his lawn in one hour?

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?

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

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



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?
22. Otylia builds a new bookcase with 8 shelves. She can put 30 books on each shelf. How many books can the bookcase hold?
23. The Good Morning Café has 28 customers for breakfast. There are 4 people sitting at each table. How many tables are filled?
24. Zenzi wants to use the Commutative Property of Multiplication to help find the product 5×4 . What equation can she use?

Compare Fractions with the Same Numerator

Go Online

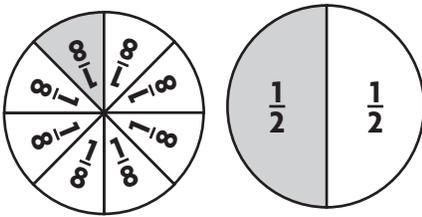
Interactive Examples

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?

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?

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

Lesson Check

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

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

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

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

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.  *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 $=$.

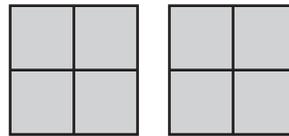
$$\frac{2}{3} \bigcirc \frac{7}{3}$$

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

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.

Lesson Check

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

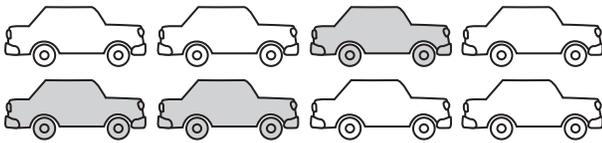
$$\frac{1}{12}, \frac{1}{5}, \frac{1}{10}$$

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

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

Spiral Review

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



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

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

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

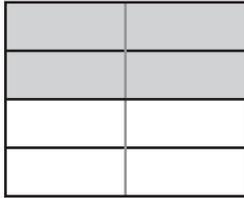
$$6 \times 7 = (6 \times 5) + (6 \times 2)$$

Model Equivalent Fractions

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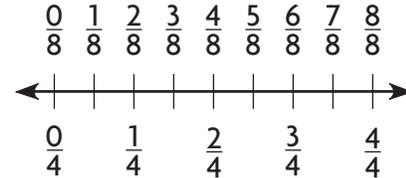
Interactive Examples

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.



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

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?

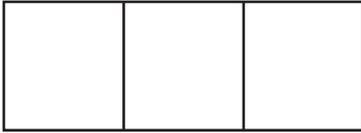
4. Roswald shaded $\frac{6}{12}$ of a sheet of notebook paper. Aisha says he shaded $\frac{1}{2}$ of the paper. Are the two fractions equivalent? If so, what is another equivalent fraction?

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.

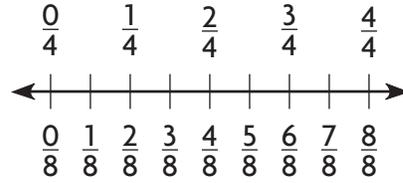
6. Are $\frac{1}{5}$ and $\frac{3}{10}$ equivalent fractions? Draw a shape and divide it into fifths. Shade one fifth. Then divide the shape into tenths. Use the new equal parts to decide.

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.

