Unit Fractions Small Group Practice

Ms. Norman cut a cake into 12 equal pieces. She plans to take some of the cake home. She gives 2 pieces to Mrs. Nederveld, 2 pieces to Mrs. Luedecke, 3 pieces to Mrs. Ammerman and 1 piece to Ms. Barrera. What fractional part of the cake did Ms. Norman give away and what fractional part will be taken home?

Unit Fractions Practice

Write the following fraction as a sum of unit fractions 7/8 :

Write the following fraction as a sum of unit fractions 4/6 :

Write the following fraction as a sum of unit fractions ⅔ :

Write the following fraction as a sum of unit fractions ⅗ :

Ben and his friends ate 6/8 of a whole pizza. Write the amount of the pizza eaten using unit fractions.

Alice waters her plants on different days. She watered ⅙ of her plants on Monday and ⅙ on Tuesday. What fraction of plants does Alice still need to water?
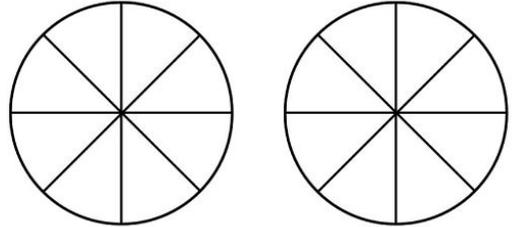
What is 7/9 written as the sum of unit fractions?

Name: _____

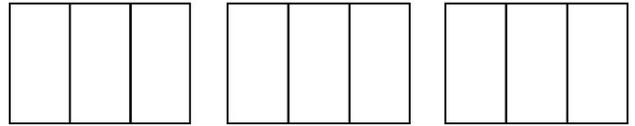# Decomposing Fractions Practice

Shade the models and write an equation to show how you can decompose the fraction 1 5/8 .
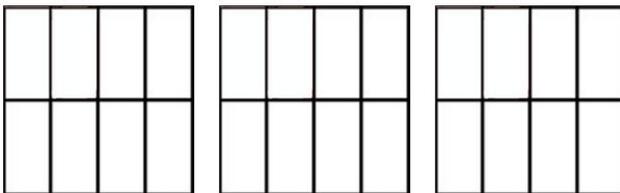
Equation: _____

Shade the models and write an equation to show how you can decompose the fraction $2 \ and \ 2/3$.
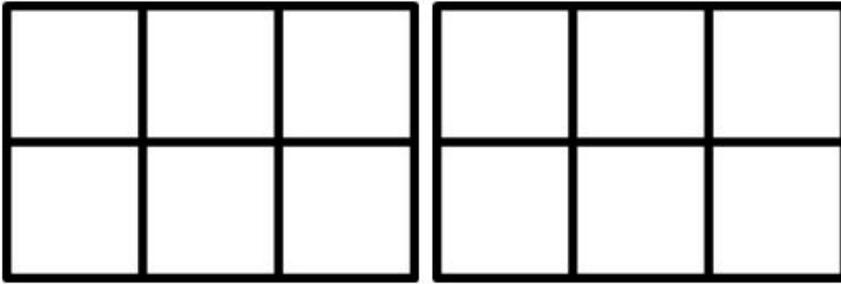
Equation: _____

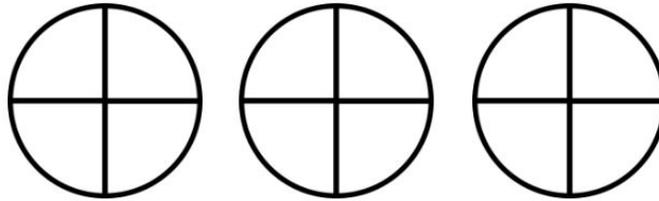**Shade the models** and **write an equation** to show how you can decompose the fraction $2 \ and \ 5/8$.

Equation: _____

Shade the models and write an equation to show how you can decompose 1 and 2/6.

Shade the models and write an equation to show how you can decompose $\frac{9}{4}$.

Equation: _____

Note: You will have to change 9/4 to a mixed number.

Name: _____

Equivalent Fractions Practice

Make the following fractions equivalent.

$$\frac{?}{4} = \frac{12}{16}$$

$$\frac{}{5} = \frac{2}{10}$$

$$\frac{}{14} = \frac{3}{7}$$

$$\frac{}{9} = \frac{2}{18}$$

$$\frac{1}{2} = \frac{}{6}$$

$$\frac{}{10} = \frac{4}{5}$$

$$\frac{4}{12} = \frac{}{3}$$

$$\frac{5}{8} = \frac{}{16}$$

1. Charlie had a dollar to spend at the concession stand. He spent 2/8 of his dollar on a piece of gum, ¼ of his dollar on a piece of chocolate, and ½ of his dollar on a bag of chips. Write the fractional amounts as equivalent fractions with the same denominator.

2. Quinn made a cake to celebrate her mom's birthday. Each person in the family got ¼ of the cake. If she would have cut it into twelve slices and given the same amount, how much of the cake did each person get?

3. Tristan's family ate 4/9 of a pizza for dinner and Jason's family ate 3/6 of a pizza. Did the two families eat the same amount of pizza? Explain.

4. Zoey's cake recipe called for 9/12 of a cup of cocoa. If she had the following size measuring ups, which one should she use? Why?

   ¼cup   1/3cup   1/2cup
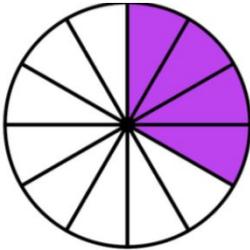
Name: _____

Fractions Quiz 1
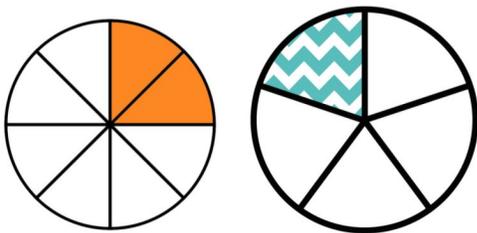
1. Write two equivalent fractions for the fraction modeled below:
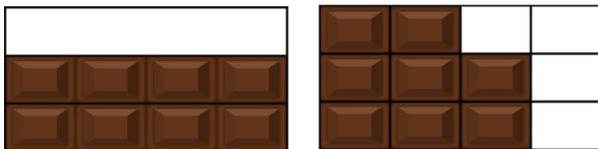
   _____   _____

2. Write two equivalent fractions for the fraction modeled below:

   _____   _____

3. Do the two models below show equivalent fractions? Explain why or why not.

4. Do the two models below show equivalent fractions? Explain why or why not.

5. Hannah made a cake to celebrate her mom's birthday. Each person in the family got 1/4 of the cake. If she would have cut it into twelve slices and given the same amount, how much of the cake did each person get?

6. Braiden drank 2/3 of his soda. If his soda bottle was 24 ounces, how many ounces of soda did he drink?

7. Jordan's family ate 9/18 of a pizza for dinner and Colton's family ate 3/6 of a pizza. Did the two families eat the same amount of pizza? Explain why or why not?

8. Nick is transporting water balloons to a huge water balloon fight. He fills 146 water balloons, but by the time he arrives at the fight, there are only 46 that have not popped! In simplest form, what fraction of balloons are left?

9. How can you write 4/6 using unit fractions?

10. Savannah colors 8/16 of her paper purple. What is this fraction in simplest form?

What is 7/9 written as the sum of unit fractions?

Name: _____

Comparing Fractions Practice

1. At the yard sale, ¾ of the items for sale were toys and ⅝ of the items for sale were books. Were there more toys or books for sale? Explain.

2. A smoothie recipe calls for ¾ cup of milk and ⅔ cup of yogurt. Does the recipe call for more milk or yogurt? Explain.

3. .A puppy weighs 7/18 pound and a kitten weighs 4/ 9 pound. Which weighs more? Explain.

4. Angie, Blake, Carlos, and Daisy went running. Angie ran ⅓ mile, Blake ran ⅗ mile, Carlos ran 7/10 mile, and Daisy ran ½ mile. Who ran the farthest? Explain.

5. A group of students ate 5/12 of a large pepperoni pizza and 8/10 of a large cheese pizza. Did they eat more pepperoni pizza or cheese pizza? Explain.

6. Leticia read ⅘ of her book and Grace read 6/10 of her book. Who read more of her book, Leticia or Grace? Explain your answer.

7. Kyle made brownies and a cake. He cut the brownies into 6 equal parts and the cake into 8 equal parts. His family ate ¾ of the cake. If his family ate more cake than brownies, what fraction of the brownies could have been eaten? Explain your answer.

Name: _____

Ordering Fractions Practice

1) $\frac{7}{8}$; $\frac{1}{2}$; $\frac{1}{5}$

2) $\frac{3}{10}$; $\frac{1}{5}$; $\frac{2}{5}$

3) $\frac{1}{10}$; $\frac{9}{10}$; $\frac{5}{8}$

4) $\frac{1}{5}$; $\frac{7}{8}$; $\frac{3}{4}$; $\frac{1}{2}$; $\frac{3}{8}$

5) $\frac{3}{10}$; $\frac{1}{10}$; $\frac{3}{5}$; $\frac{2}{3}$

6) $\frac{1}{8}$; $\frac{2}{5}$; $\frac{1}{3}$

Name: _____

Comparing and Ordering Fractions Quiz

1. Compare ⅝ and 6/12 using >,< or =.

    ⅝ _____ 6/12

2. Write the fractions ¾, ⅙ and ⅓ in order from least to greatest.

    _____

3. Compare ⅝ and ⅜ using >,< or =.

    ⅝ _____ ⅜

4. Ten students chose a cookie to eat. ½ of them chose snickerdoodles, ⅖ chose chocolate chip cookies and 1/10 chose gingersnaps. Which cookie was the least popular? _____

5. Zoey has read ten books this school year. 4/10 of her books were graphic novels. ⅗ were mysteries. Which type of book did she read more of? _____

6. What fraction is greater than ½? Circle your answer and explain why below.

    $$3/6 \quad ⅝ \quad 3/10$$

7. Which fraction is less than ⅗. Circle your answer and explain why below.

    $$4/8 \qquad\qquad ⅔$$

8. Scott had a King Size Hershey's bar. Tyler had a Fun Size hershey bar. They both ate ¾ of their chocolate bar. Did they eat the same amount of chocolate? Why or why not?

9. Justin ate $\frac{3}{8}$ of his pie and Lisa ate $\frac{2}{3}$ of her pie. Who ate the least amount of pie. Explain why.

10. Dawson and two of his friends bought pizza for lunch. Dawson ate $\frac{2}{3}$ of his pizza. One of his friends ate ¼ and the other friend ate 4/4 of his pizza. Who ate the least amount of pizza. Explain why.

11. Three friends were baking cookies. Kendall used 2/4 a bag of chocolate chips, Maggie used 2/8 of a bag of chocolate chips and Ava used 7/12 of a bag of chocolate chips. Order the amounts of chocolate chips used from least to greatest.
    _____
    Who used the most chocolate chips?

Adding and Subtracting Fractions Exit Ticket

1. 5/12 + 3/12=

2. ⅔ + ⅔=

3. ⅚ - 2/6 =

4. 7/10 - 2/10 =

5. Drew bought ⅗ pound of apples and ⅕ pound of bananas. How much fruit did he buy in all?

6. Maggie ate 3/12 of the cookies on Monday and 6/9 of the cookies on Tuesday. What fraction of cookies are left?

Name: _____

Adding and Subtracting Fractions Exit Ticket

2. 5/12 + 3/12=

2. ⅔ + ⅔=

3. ⅚ - 2/6 =

4. 7/10 - 2/10 =

5. Drew bought ⅗ pound of apples and ⅕ pound of bananas. How much fruit did he buy in all?

6. Maggie ate 3/12 of the cookies on Monday and 6/9 of the cookies on Tuesday. What fraction of cookies are left?

Name: _____

Adding and Subtracting Mixed Numbers Practice

1. 2 ¾ + 1 ¼

2. 7 $\frac{5}{8}$ + 3 4/8 =

3. 3 4/6 - 1 5/6 =

4. 10 7/10 - 9 2/10 =

5. Students bring 8 $\frac{7}{8}$ gallons of lemonade to a picnic. They drink 5 2/8 gallons with lunch. Then they drink 2 $\frac{1}{8}$ gallons with an afternoon snack. How much lemonade is left?

6. For a cake recipe, Bob will need 4 $\frac{3}{8}$ cups of dark chocolate chips, 5 $\frac{5}{8}$ cups of milk chocolate chips and 3 4/8 cups of white chocolate chips. What is the total amount of chocolate chips he needs? How many more cups of dark chocolate chips then white chocolate chips does he need?

chocolate chips he needs? How many more cups of dark chocolate chips then white chocolate chips does he need?