Cumulative Review

Directions: Draw 2 rectangles of equal length for each situation. Divide each rectangle into the correct number of parts. Label each rectangle. Find the rate for each situation and simplify to a unit rate.

1. There were 4 presents to be wrapped and 8 sheets of wrapping paper. What is the unit rate of sheets to presents?

2. Ryan spent 18 dollars on 6 candies. What is the unit rate of dollars to candies?

Directions: Generate equivalent fractions by multiplying or dividing the numerator and denominator by the same number.

3. $\frac{2}{4} = \frac{\quad}{12}$

4. $\frac{10}{30} = \frac{2}{\quad}$

5. $\frac{6}{18} = \frac{\quad}{3}$

6. $\frac{1}{8} = \frac{3}{\quad}$

Large Apples to Small Apples

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

Practice 1

1. A recipe for French toast calls for 2 eggs for every 5 pieces of bread. If you wanted to make 15 pieces of bread, how many eggs would you need?

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

Simplify each ratio. Do you get the same simplified ratios? _____

Simplified:

Are the ratios equivalent? _____

Practice 1 (cont.)

2. There are 4 girls for every 2 boys in Mr. Brown's class. There are 12 girls in the class. How many boys are there?

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

Simplify each ratio. Do you get the same simplified ratios? _____

Simplified:

Are the ratios equivalent? _____

Practice 2

1. Pablo has 12 packages of baseball cards but only 3 packages of football cards. If Frances has an equivalent ratio and has 24 packages of baseball cards, how many football card packages does she have?

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

Simplify each ratio. Do you get the same simplified ratios? _____

Simplified:

Are the ratios equivalent? _____

Practice 2 (cont.)

2. Stephanie has 5 books and 3 magazines. Her friend Li has 9 magazines. If the friends have the same ratio of books to magazines, how many books does Li have?

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

Simplify each ratio. Do you get the same simplified ratios? _____

Simplified:

Are the ratios equivalent? _____

Name: _____

Independent Practice

1. Richard's cookie recipe calls for 3 cups of flour for every 2 cups of sugar. If Richard used 12 cups of flour, how many cups of sugar would he need?

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

Simplify each ratio. Do you get the same simplified ratios? _____

Simplified:

Are the ratios equivalent? _____

Independent Practice (cont.)

2. Elise counted 2 centipedes for every 4 worms in the garden. If Elise counted 12 worms, how many centipedes did she count?

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

Simplify each ratio. Do you get the same simplified ratios? _____

Simplified:

Are the ratios equivalent? _____

Answer Key: Cumulative Review

Directions: Draw 2 rectangles of equal length for each situation. Divide each rectangle into the correct number of parts. Label each rectangle. Find the rate for each situation and simplify to a unit rate.

1. There were 4 presents to be wrapped and 8 sheets of wrapping paper. What is the unit rate of sheets to presents?

sheets

s	s	s	s	s	s	s	s
p		p		p		p	

presents

$\frac{8 \text{ sheets}}{4 \text{ presents}}$

Unit rate: 2 sheets per present

2. Ryan spent 18 dollars on 6 candies. What is the unit rate of dollars to candies?

dollars

d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d	d
c			c			c			c			c			c		

candies

$\frac{18 \text{ dollars}}{6 \text{ candies}}$

Unit rate: 3 dollars per candy

Directions: Generate equivalent fractions by multiplying or dividing the numerator and denominator by the same number.

3. $\frac{2}{4} = \frac{6}{12}$

4. $\frac{10}{30} = \frac{2}{6}$

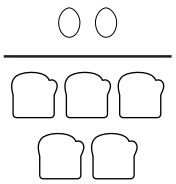
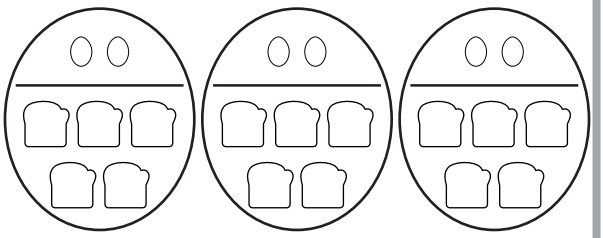
5. $\frac{6}{18} = \frac{1}{3}$

6. $\frac{1}{8} = \frac{3}{24}$

Answer Key: Practice 1

1. A recipe for French toast calls for 2 eggs for every 5 pieces of bread. If you wanted to make 15 pieces of bread, how many eggs would you need?

Comparing	Ratio 1	Ratio 2
$\frac{\text{eggs}}{\text{pieces of bread}}$	$\frac{2}{5}$	$\frac{\boxed{6}}{15}$

Ratio 1	Ratio 2
	

Simplify each ratio. Do you get the same simplified ratios? Yes

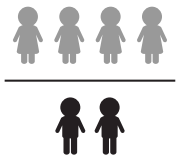
Simplified: $\frac{2}{5} = \frac{2}{5}$ $\frac{6}{15} = \frac{2}{5}$

Are the ratios equivalent? Yes, the ratios are equivalent.

Answer Key: Practice 1 (cont.)

2. There are 4 girls for every 2 boys in Mr. Brown's class. There are 12 girls in the class. How many boys are there?

Comparing	Ratio 1	Ratio 2
$\frac{\text{girls}}{\text{boys}}$	$\frac{4}{2}$	$\frac{12}{\boxed{6}}$

Ratio 1	Ratio 2
	

Simplify each ratio. Do you get the same simplified ratios? Yes

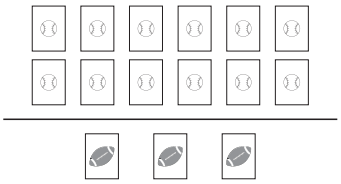
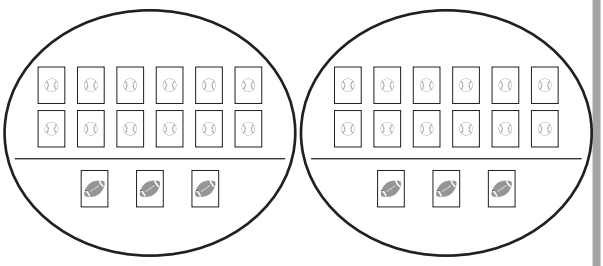
Simplified: $\frac{4}{2} = \frac{2}{1}$ $\frac{12}{6} = \frac{2}{1}$

Are the ratios equivalent? Yes, the ratios are equivalent.

Answer Key: Practice 2

1. Pablo has 12 packages of baseball cards but only 3 packages of football cards. If Frances has an equivalent ratio and has 24 packages of baseball cards, how many football card packages does she have?

Comparing	Ratio 1	Ratio 2
$\frac{\text{baseball cards}}{\text{football cards}}$	$\frac{12}{3}$	$\frac{24}{\boxed{6}}$

Ratio 1	Ratio 2
	

Simplify each ratio. Do you get the same simplified ratios? Yes

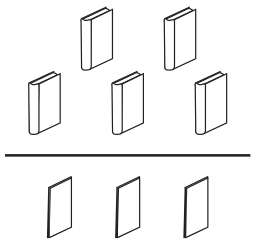
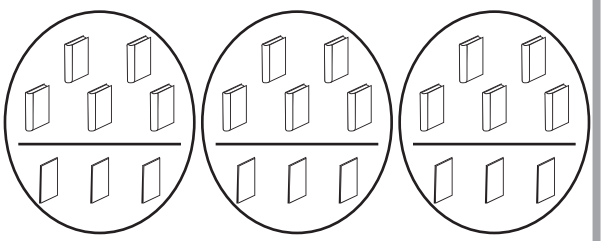
Simplified: $\frac{12}{3} = \frac{4}{1}$ $\frac{24}{6} = \frac{4}{1}$

Are the ratios equivalent? Yes, the ratios are equivalent.

Answer Key: Practice 2 (cont.)

2. Stephanie has 5 books and 3 magazines. Her friend Li has 9 magazines. If the friends have the same ratio of books to magazines, how many books does Li have?

Comparing	Ratio 1	Ratio 2
$\frac{\text{books}}{\text{magazines}}$	$\frac{5}{3}$	$\frac{\boxed{15}}{9}$

Ratio 1	Ratio 2
	

Simplify each ratio. Do you get the same simplified ratios? Yes

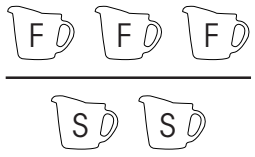
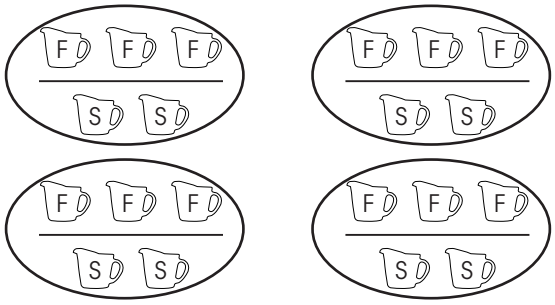
Simplified: $\frac{5}{3} = \frac{5}{3}$ $\frac{15}{9} = \frac{5}{3}$

Are the ratios equivalent? Yes, the ratios are equivalent.

Answer Key: Independent Practice

1. Richard's cookie recipe calls for 3 cups of flour for every 2 cups of sugar. If Richard used 12 cups of flour, how many cups of sugar would he need?

Comparing	Ratio 1	Ratio 2
$\frac{\text{flour}}{\text{sugar}}$	$\frac{3}{2}$	$\frac{12}{\boxed{8}}$

Ratio 1	Ratio 2
	

Simplify each ratio. Do you get the same simplified ratios? Yes

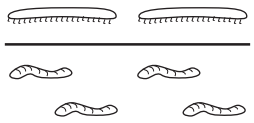
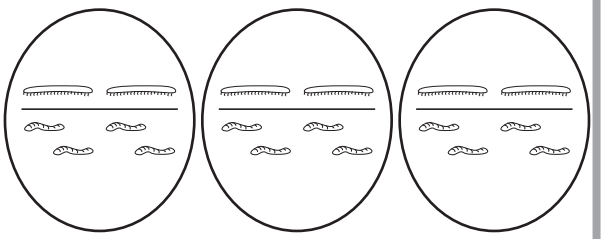
Simplified: $\frac{3}{2} = \frac{3}{2}$ $\frac{12}{8} = \frac{3}{2}$

Are the ratios equivalent? Yes, the ratios are equivalent.

Answer Key: Independent Practice (cont.)

2. Elise counted 2 centipedes for every 4 worms in the garden. If Elise counted 12 worms, how many centipedes did she count?

Comparing	Ratio 1	Ratio 2
$\frac{\text{centipedes}}{\text{worms}}$	$\frac{2}{4}$	$\frac{\boxed{6}}{12}$

Ratio 1	Ratio 2
	

Simplify each ratio. Do you get the same simplified ratios? Yes

Simplified: $\frac{2}{4} = \frac{1}{2}$ $\frac{6}{12} = \frac{1}{2}$

Are the ratios equivalent? Yes, the ratios are equivalent.