

Cumulative Review

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

1. There were 14 apples in 2 apple pies. What is the unit rate?

2. Garrett planted 2 roses for every 3 sunflowers. If Garrett planted 8 roses, how many sunflowers did he plant?

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

3. Juan found 16 golf balls and 12 tennis balls. What is an equivalent ratio of golf balls to tennis balls?

4. At the circus, Sabrina counted 4 tigers and 6 elephants. What is an equivalent ratio of elephants to tigers?

Unit Rates

Unit	Given Rate	Unit Rate

Practice 1

Unit

Given Rate

Unit Rate

Unit

Given Rate

Unit Rate

Unit

Given Rate

Unit Rate

Practice 2

Directions: For each of the problems, fill out the ratio table by answering the following questions:

- What 2 objects are being compared?
- What rate is given?
- What operation do I use to get from the given rate to the unit rate?
- What is the unit rate?

1. Mr. Perez went to the store to buy potatoes for potato soup. He found a 10-pound bag of potatoes on sale for \$2. What is the unit rate of pounds of potatoes per dollar?

Unit	Given Rate	Unit Rate

2. 12 friends went to the movies. They bought 4 bags of popcorn. What is the unit rate of friends per bag of popcorn?

Unit	Given Rate	Unit Rate

Name: _____

Independent Practice

Directions: For each of the problems, fill out the ratio table by answering the following questions.

- What 2 objects are being compared?
- What rate is given?
- What operation do I use to get from the given rate to the unit rate?
- What is the unit rate?

1. Elijah passed 27 cars on his 3-mile walk. What is the unit rate of cars per mile?

Unit	Given Rate	Unit Rate

2. Michael Jordan makes 8 3-pointers for every 24 free throws. What is the unit rate of free throws per 3-pointer?

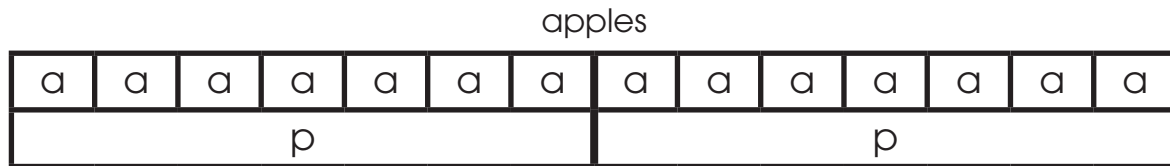
Unit	Given Rate	Unit Rate



Answer Key: Cumulative Review

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

1. There were 14 apples in 2 apple pies. What is the unit rate?



pies

$$\frac{14 \text{ apples}}{2 \text{ pies}}$$

Unit rate: 7 apples per pie

2. Garrett planted 2 roses for every 3 sunflowers. If Garrett planted 8 roses, how many sunflowers did he plant?

Comparing	Ratio 1	Ratio 2
$\frac{\text{roses}}{\text{sunflowers}}$	$\frac{2}{3}$	$\frac{8}{12}$

Ratio 1	Ratio 2

3. Juan found 16 golf balls and 12 tennis balls. What is an equivalent ratio of golf balls to tennis balls?

$$\frac{16}{12} = \frac{4}{3}, \frac{32}{24}, \text{ etc.}$$

(answers will vary)

4. At the circus, Sabrina counted 4 tigers and 6 elephants. What is an equivalent ratio of elephants to tigers?

$$\frac{6}{4} = \frac{3}{2}, \frac{12}{8}, \text{ etc.}$$

(answers will vary)



Answer Key: Practice 1 (If using suggested scenarios)

1. $\frac{90 \text{ miles}}{3 \text{ gallons}}$

Unit	Given Rate	Unit Rate
miles	90	30
gallons	3	1

Unit rate: 30 miles per gallon

2. $\frac{15 \text{ servings of soup}}{5 \text{ guests}}$

Unit	Given Rate	Unit Rate
servings	15	3
guests	5	1

Unit rate: 3 servings per guest

3. $\frac{42 \text{ bananas}}{6 \text{ loaves of bread}}$

Unit	Given Rate	Unit Rate
bananas	42	7
loaves	6	1

Unit rate: 7 bananas per loaf



Answer Key: Practice 2

Directions: For each of the problems, fill out the ratio table by answering the following questions:

- What 2 objects are being compared?
- What rate is given?
- What operation do I use to get from the given rate to the unit rate?
- What is the unit rate?

1. Mr. Perez went to the store to buy potatoes for potato soup. He found a 10-pound bag of potatoes on sale for \$2. What is the unit rate of pounds of potatoes per dollar?

Unit	Given Rate	Unit Rate
pounds	10	5
dollars	2	1

Unit rate: 5 pounds per dollar

2. 12 friends went to the movies. They bought 4 bags of popcorn. What is the unit rate of friends per bag of popcorn?

Unit	Given Rate	Unit Rate
friends	12	3
bags	4	1

Unit rate: 3 friends per bag



Answer Key: Independent Practice

Directions: For each of the problems, fill out the ratio table by answering the following questions.

- What 2 objects are being compared?
- What rate is given?
- What operation do I use to get from the given rate to the unit rate?
- What is the unit rate?

1. Elijah passed 27 cars on his 3-mile walk. What is the unit rate of cars per mile?

Unit	Given Rate	Unit Rate
cars	27	9
mile	3	1

Unit rate: 9 cars per mile

2. Michael Jordan makes 8 3-pointers for every 24 free throws. What is the unit rate of free throws per 3-pointer?

Unit	Given Rate	Unit Rate
free throws	24	3
3-pointers	8	1

Unit rate: 3 free throws per 3-pointer