Cumulative Review

1. Daniela bought 2 apples for every 3 blueberries. If Daniela bought 10 apples, how many blueberries did she buy?

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

2. For every 2 bicycles, there are 4 wheels. What is an equivalent ratio of bicycles to wheels?

Cumulative Review (cont.)

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?

3. Michael lost 24 socks in 3 weeks. If he lost socks at a constant rate, how many socks did he lose per week?

Unit	Given Rate	Unit Rate

4. Eric designed 21 T-shirts in 7 days. If he designed the same number of shirts each day, what is the unit rate of shirts he designed to days?

Unit	Given Rate	Unit Rate

Practice 1

For each problem, answer the following questions to fill in the table:

- 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 operation do I use to get from the unit rate to the equivalent rate?
- What is the equivalent rate?

1. Robin has 12 necklaces for every 4 blouses in her closet. If she has 11 blouses total, how many necklaces does she have?

Unit	Given Rate	Unit Rate	Equivalent Rate

2. Thomas is making omelets for his friends. The recipe calls for 30 eggs for 6 servings. He is cooking for only 5 people. How many eggs will he need?

Unit	Given Rate	Unit Rate	Equivalent Rate

Practice 2

For each problem, answer the following questions to fill in the table:

- 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 operation do I use to get from the unit rate to the equivalent rate?
- What is the equivalent rate?

1. Vicki's car can drive for 240 miles on 10 gallons of gas. If she has driven 48 miles, how many gallons of gas has she used?

Unit	Given Rate	Unit Rate	Equivalent Rate

2. Miles is buying lunchmeat to make sandwiches. Lunchmeat is on sale, 9 pounds for $36. Miles wants to buy 4 pounds. How much will it cost?

Unit	Given Rate	Unit Rate	Equivalent Rate

Name: _____

Independent Practice

For each problem, answer the following questions to fill in the table:

- 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 operation do I use to get from the unit rate to the equivalent rate?
- What is the equivalent rate?

1. Adam counted 4 bowling balls for every 24 bowling pins at the bowling alley. If there are 7 bowling balls altogether, how many bowling pins are there?

Unit	Given Rate	Unit Rate	Equivalent Rate

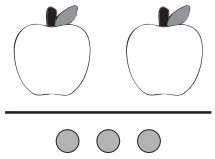
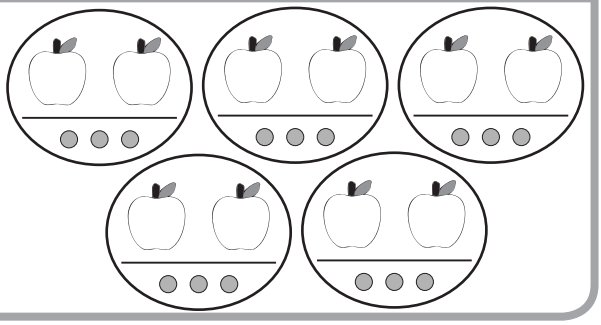
2. Sydney originally bought 18 cupcakes for the 6 friends who were coming to her birthday party. Now, 8 friends are coming to the party. How many cupcakes will she need in all?

Unit	Given Rate	Unit Rate	Equivalent Rate

Answer Key: Cumulative Review

1. Daniela bought 2 apples for every 3 blueberries. If Daniela bought 10 apples, how many blueberries did she buy?

Comparing	Ratio 1	Ratio 2
$\frac{\text{apples}}{\text{blueberries}}$	$\frac{2}{3}$	$\frac{10}{\boxed{15}}$

Ratio 1	Ratio 2
	

2. For every 2 bicycles, there are 4 wheels. What is an equivalent ratio of bicycles to wheels?

$$\frac{2}{4} = \frac{1}{2}, \frac{6}{12}, \text{ etc.}$$

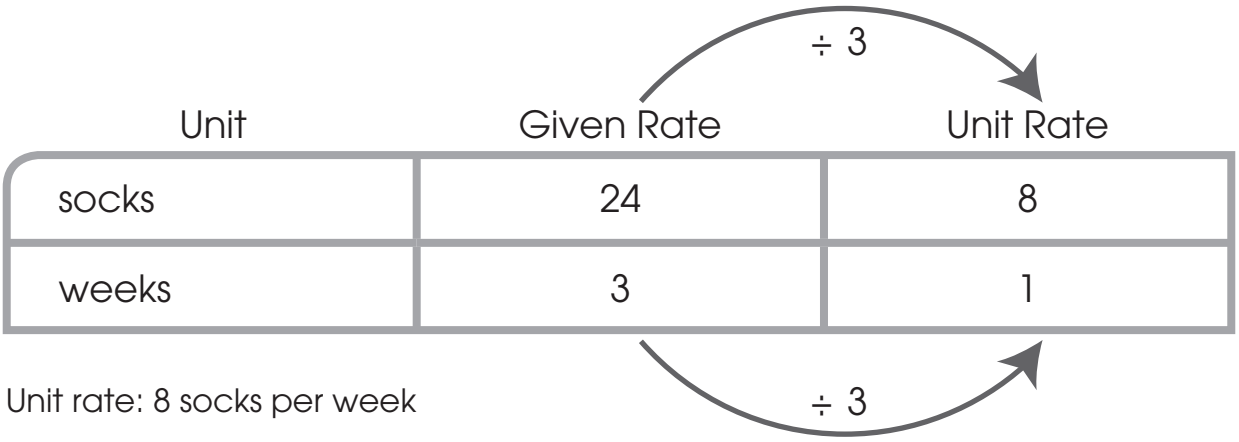
(answers will vary)

Answer Key: Cumulative Review (cont.)

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

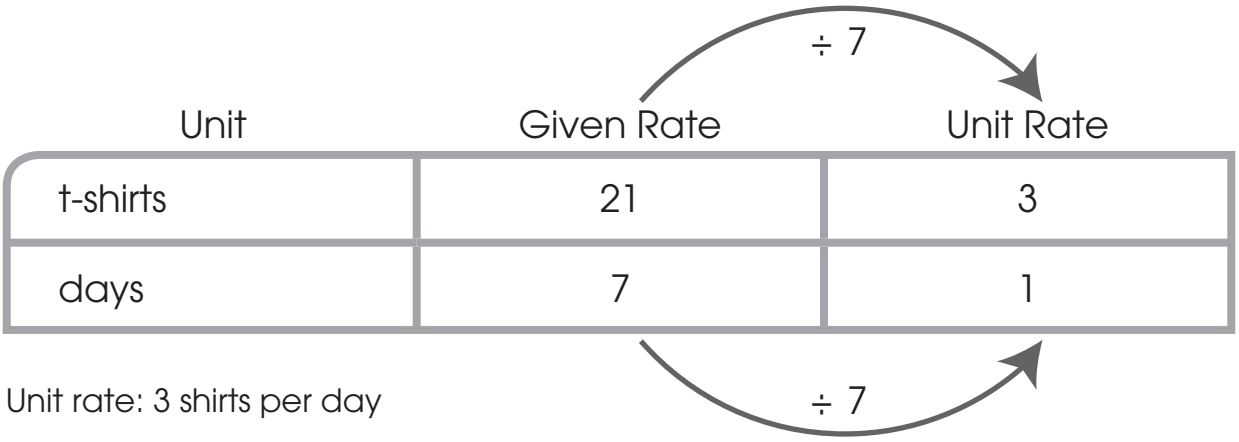
- What 2 objects are being compared?
- What rate is given?
- What operation do I use to get from the given rate to the unit rate?
- What is the unit rate?

3. Michael lost 24 socks in 3 weeks. If he lost socks at a constant rate, how many socks did he lose per week?



Unit rate: 8 socks per week

4. Eric designed 21 T-shirts in 7 days. If he designed the same number of shirts each day, what is the unit rate of shirts he designed to days?



Unit rate: 3 shirts per day

Answer Key: Practice 1

For each problem, answer the following questions to fill in the table:

- 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 operation do I use to get from the unit rate to the equivalent rate?
- What is the equivalent rate?

1. Robin has 12 necklaces for every 4 blouses in her closet. If she has 11 blouses total, how many necklaces does she have?

÷ 4 x 11

Unit	Given Rate	Unit Rate	Equivalent Rate
necklaces	12	3	33
blouses	4	1	11

Robin has 33 necklaces.

÷ 4 x 11

2. Thomas is making omelets for his friends. The recipe calls for 30 eggs for 6 servings. He is cooking for only 5 people. How many eggs will he need?

÷ 6 x 5

Unit	Given Rate	Unit Rate	Equivalent Rate
eggs	30	5	25
servings	6	1	5

Thomas needs 25 eggs.

÷ 6 x 5

Answer Key: Practice 2

For each problem, answer the following questions to fill in the table:

- 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 operation do I use to get from the unit rate to the equivalent rate?
- What is the equivalent rate?

1. Vicki's car can drive for 240 miles on 10 gallons of gas. If she has driven 48 miles, how many gallons of gas has she used?

÷ 10 x 2

Unit	Given Rate	Unit Rate	Equivalent Rate
miles	240	24	48
gallons	10	1	2

Vicki has used 2 gallons.

÷ 10 x 2

2. Miles is buying lunchmeat to make sandwiches. Lunchmeat is on sale, 9 pounds for $36. Miles wants to buy 4 pounds. How much will it cost?

÷ 9 x 4

Unit	Given Rate	Unit Rate	Equivalent Rate
pounds	9	1	4
dollars	36	4	16

It will cost $16.

÷ 9 x 4

Answer Key: Independent Practice

For each problem, answer the following questions to fill in the table:

- 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 operation do I use to get from the unit rate to the equivalent rate?
- What is the equivalent rate?

1. Adam counted 4 bowling balls for every 24 bowling pins at the bowling alley. If there are 7 bowling balls altogether, how many bowling pins are there?

÷ 4 x 7

Unit	Given Rate	Unit Rate	Equivalent Rate
balls	4	1	7
pins	24	6	42

There are 42 pins.

÷ 4 x 7

2. Sydney originally bought 18 cupcakes for the 6 friends who were coming to her birthday party. Now, 8 friends are coming to the party. How many cupcakes will she need in all?

÷ 6 x 8

Unit	Given Rate	Unit Rate	Equivalent Rate
cupcakes	18	3	24
friends	6	1	8

Sydney will need 24 cupcakes.

÷ 6 x 8