

Cumulative Review

1. Mark and Eric are competing to see who can sell the most candy bars. For every 7 candy bars Mark sold, Eric sold 5. If Eric sold 20 candy bars, how many candy bars did Mark sell?

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

Cumulative Review (cont.)

2. Cynthia is making a recipe that calls for 2 cups of butter for every 5 cups of sugar.

a) What is the ratio of butter to sugar? _____

b) How many cups of butter would Cynthia need if she used 20 cups of sugar? _____

Comparing	Ratio 1	Ratio 2

Ratio 1	Ratio 2

Cumulative Review (cont.)

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.

3. Josh spent \$24 for 8 ounces of chocolate. What is the unit rate?

Practice

Directions: Write the words for the 2 objects you are comparing in fractional form. Then, write the given ratio. Finally, calculate the equivalent ratio by multiplying the given ratio by the appropriate number.

1. Elijah wants 4 towels and 7 washcloths in each of his bathrooms. He has 6 bathrooms. How many towels and washcloths does he need?

_____ = _____

3. David planned on ordering 5 chicken legs and 7 wings for his friends. Now, more friends are coming to visit, so he needs to triple the amount of legs and wings he is ordering. How many legs and wings should he order?

_____ = _____

2. Willa is making her lunches for school this week. She eats 2 apples and 5 carrot sticks every day. If she has 10 apples, how many carrot sticks does she need to make her lunches?

_____ = _____

4. Luisa became the manager for a softball and baseball team. She is ordering softballs and baseballs, which come in a package of 3 softballs and 2 baseballs. If she needs 24 softballs, how many baseballs will she get?

_____ = _____

Name: _____

Independent Practice

Directions: Write the words for the 2 objects you are comparing in fractional form. Then, write the given ratio. Finally, calculate the equivalent ratio by multiplying the given ratio by the appropriate number.

1. Marcus read 8 books and 12 magazines. He has 6 times that many in his total collection. How many books and magazines does Marcus own?

_____ = _____

3. At the zoo, Maxine saw 7 swans and 3 lions out in the open, but some were hiding. There were 3 times that many swans and lions altogether. How many swans and lions were there in all?

_____ = _____

2. Anthony recycles 4 water bottles for every 12 pieces of paper. This week, he recycled 20 water bottles. How many pieces of paper did he recycle?

_____ = _____

4. Valerie walks to school 4 days for every 8 days she rides her bike. So far this school year, she has walked to school on 24 days. How many days has she ridden her bike?

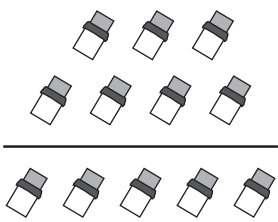
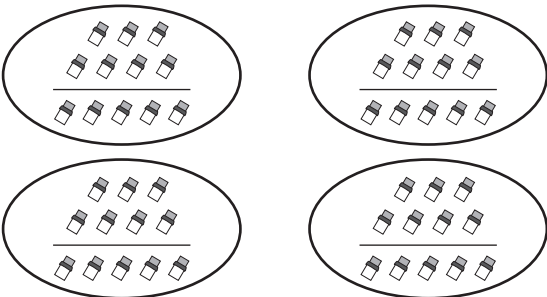
_____ = _____



Answer Key: Cumulative Review

1. Mark and Eric are competing to see who can sell the most candy bars. For every 7 candy bars Mark sold, Eric sold 5. If Eric sold 20 candy bars, how many candy bars did Mark sell?

Comparing	Ratio 1	Ratio 2
$\frac{\text{Mark's bars}}{\text{Eric's bars}}$	$\frac{7}{5}$	$\frac{28}{20}$

Ratio 1	Ratio 2
	



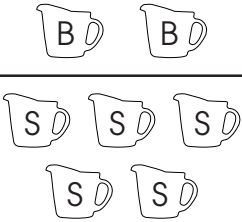
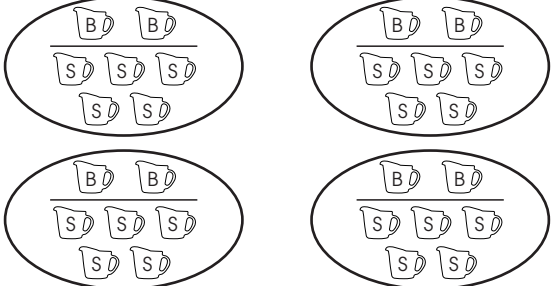
Answer Key: Cumulative Review (cont.)

2. Cynthia is making a recipe that calls for 2 cups of butter for every 5 cups of sugar.

a) What is the ratio of butter to sugar? $\frac{2}{5}$

b) How many cups of butter would Cynthia need if she used 20 cups of sugar? 8 cups of butter

Comparing	Ratio 1	Ratio 2
$\frac{\text{butter}}{\text{sugar}}$	$\frac{2}{5}$	$\frac{8}{20}$

Ratio 1	Ratio 2
	



Answer Key: Cumulative Review (cont.)

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.

3. Josh spent \$24 for 8 ounces of chocolate. What is the unit rate?

dollars

[illegible]

ounces of chocolate

$$\frac{\$24}{8 \text{ ounces}}$$

Unit rate: \$3 per ounce



Answer Key: Practice

Directions: Write the words for the 2 objects you are comparing in fractional form. Then, write the given ratio. Finally, calculate the equivalent ratio by multiplying the given ratio by the appropriate number.

1. Elijah wants 4 towels and 7 washcloths in each of his bathrooms. He has 6 bathrooms. How many towels and washcloths does he need?

$$\frac{\text{towels}}{\text{washcloths}} = \frac{4}{7} = \frac{24}{42}$$

x 6

3. David planned on ordering 5 chicken legs and 7 wings for his friends. Now, more friends are coming to visit, so he needs to triple the amount of legs and wings he is ordering. How many legs and wings should he order?

$$\frac{\text{legs}}{\text{wings}} = \frac{5}{7} = \frac{15}{21}$$

x 3

2. Willa is making her lunches for school this week. She eats 2 apples and 5 carrot sticks every day. If she has 10 apples, how many carrot sticks does she need to make her lunches?

$$\frac{\text{apples}}{\text{carrot sticks}} = \frac{2}{5} = \frac{10}{25}$$

x 5

4. Luisa became the manager for a softball and baseball team. She is ordering softballs and baseballs, which come in a package of 3 softballs and 2 baseballs. If she needs 24 softballs, how many baseballs will she get?

$$\frac{\text{softballs}}{\text{baseballs}} = \frac{3}{2} = \frac{24}{16}$$

x 8



Answer Key: Independent Practice

Directions: Write the words for the 2 objects you are comparing in fractional form. Then, write the given ratio. Finally, calculate the equivalent ratio by multiplying the given ratio by the appropriate number.

1. Marcus read 8 books and 12 magazines. He has 6 times that many in his total collection. How many books and magazines does Marcus own?

$$\frac{\text{books}}{\text{magazines}} = \frac{8}{12} = \frac{48}{72}$$

x 6 (top arrow), x 6 (bottom arrow)

3. At the zoo, Maxine saw 7 swans and 3 lions out in the open, but some were hiding. There were 3 times that many swans and lions altogether. How many swans and lions were there in all?

$$\frac{\text{swans}}{\text{lions}} = \frac{7}{3} = \frac{21}{9}$$

x 3 (top arrow), x 3 (bottom arrow)

2. Anthony recycles 4 water bottles for every 12 pieces of paper. This week, he recycled 20 water bottles. How many pieces of paper did he recycle?

$$\frac{\text{water bottles}}{\text{pieces of paper}} = \frac{4}{12} = \frac{20}{60}$$

x 5 (top arrow), x 5 (bottom arrow)

4. Valerie walks to school 4 days for every 8 days she rides her bike. So far this school year, she has walked to school on 24 days. How many days has she ridden her bike?

$$\frac{\text{walks}}{\text{rides bike}} = \frac{4}{8} = \frac{24}{48}$$

x 8 (top arrow), x 8 (bottom arrow)