

## Cumulative Review

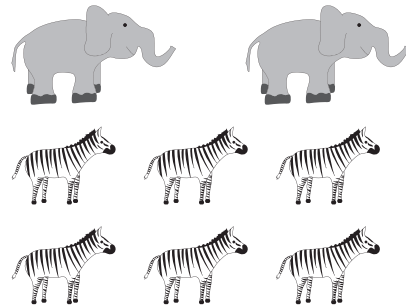
For each item, draw the image described, write the ratio, and simplify the ratio, if possible. If the ratio cannot be simplified, write "No."

1. There are 3 water bottles and 9 soda cans. What is the ratio of water bottles to soda cans?

\_\_\_\_\_

Simplified: \_\_\_\_\_

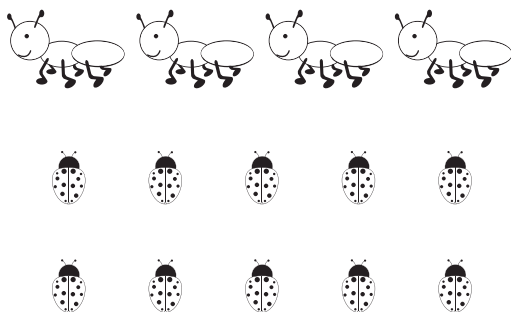
2. What is the ratio of zebras to total animals?



\_\_\_\_\_

Simplified: \_\_\_\_\_

3. What is the ratio of ants to total insects?



\_\_\_\_\_

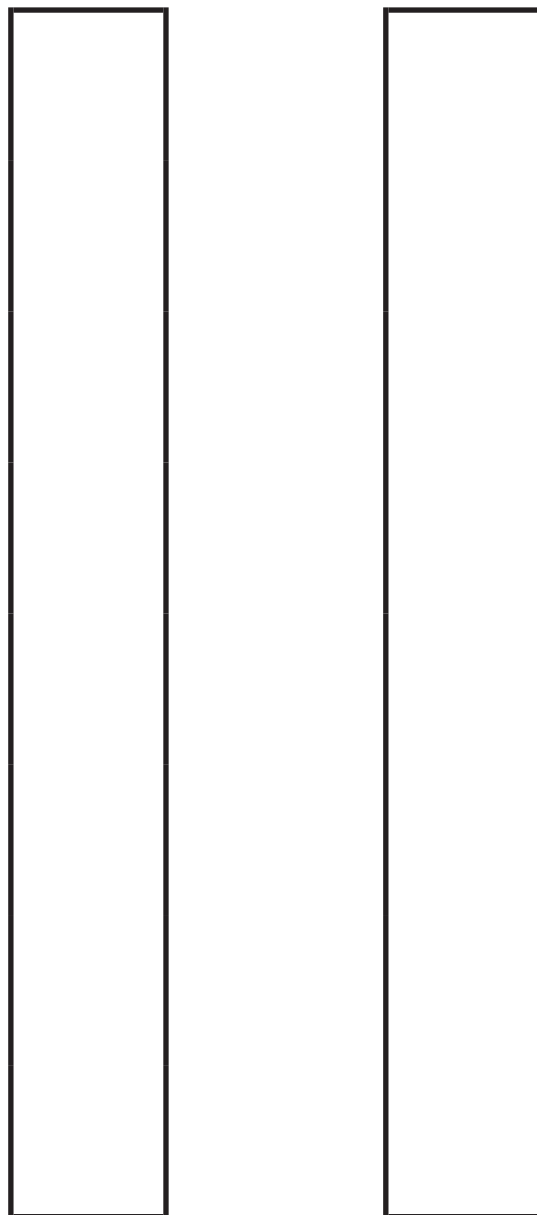
Simplified: \_\_\_\_\_

4. A refrigerator has 11 carrots and 5 pea pods. What is the ratio of carrots to pea pods?

\_\_\_\_\_

Simplified: \_\_\_\_\_

**Cookies to Boys**



**Practice 1**

Directions: Divide 1 rectangle to model each quantity. Then, label the rectangles. Finally, write the rate that describes the situation.

15 girls are on a basketball team. They practice after school with only 3 basketballs. What is the rate of girls to basketballs?

**Practice 2**

Directions: For each problem, divide a rectangle to represent each quantity. Then, label the quantities and write the rate.

1. 8 students are on a cheerleading squad. They use 16 pompoms. What is the rate of students to pompoms?

2. 9 friends shared 4 tubs of popcorn at the movies. What is the rate of tubs of popcorn to friends?

**Name:** \_\_\_\_\_**Independent Practice**

Directions: For each problem, divide a rectangle to represent each quantity. Then, label the quantities and write the rate.

1. The Johnson Junior High eighth-grade football team has 12 boys on first string. 3 coaches work with the team. What is the rate of boys to coaches?

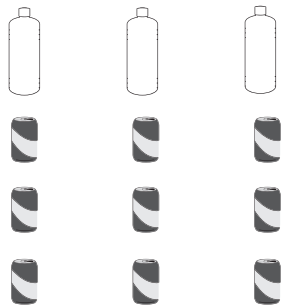
2. The first floor of Stefanie's school has 5 classrooms. She counted 10 windows in these classrooms. What is the rate of windows to rooms?



## Answer Key: Cumulative Review

For each item, draw the image described, write the ratio, and simplify the ratio, if possible. If the ratio cannot be simplified, write "No."

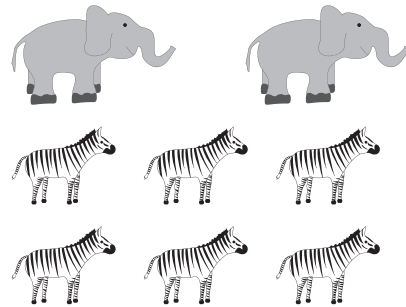
1. There are 3 water bottles and 9 soda cans. What is the ratio of water bottles to soda cans?



3:9

Simplified: 1:3

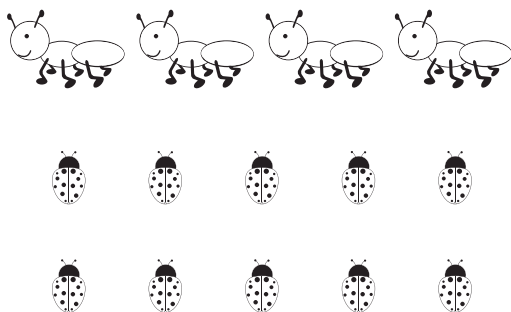
2. What is the ratio of zebras to total animals?



6:8

Simplified: 3:4

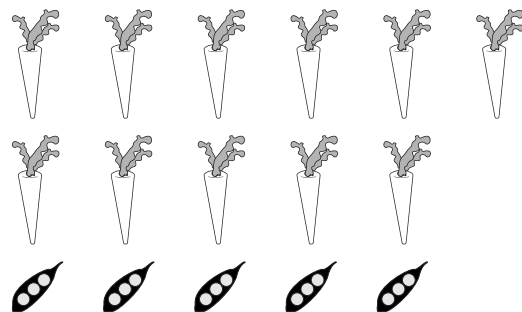
3. What is the ratio of ants to total insects?



4:14

Simplified: 2:7

4. A refrigerator has 11 carrots and 5 pea pods. What is the ratio of carrots to pea pods?



11:5

Simplified: No



## Answer Key: Practice 1

Directions: Divide 1 rectangle to model each quantity. Then, label the rectangles. Finally, write the rate that describes the situation.

15 girls are on a basketball team. They practice after school with only 3 basketballs. What is the rate of girls to basketballs?

girls



basketballs

$$\frac{15 \text{ girls}}{3 \text{ basketballs}} = \frac{5 \text{ girls}}{1 \text{ basketball}}$$



## Answer Key: Practice 2

Directions: For each problem, divide a rectangle to represent each quantity. Then, label the quantities and write the rate.

1. 8 students are on a cheerleading squad. They use 16 pompoms. What is the rate of students to pompoms?

students



pompoms

$$\frac{8 \text{ students}}{16 \text{ pompoms}} = \frac{1 \text{ student}}{2 \text{ pompoms}}$$

2. 9 friends shared 4 tubs of popcorn at the movies. What is the rate of tubs of popcorn to friends?

tubs of popcorn



friends

$$\frac{4 \text{ tubs of popcorn}}{9 \text{ friends}}$$



## Answer Key: Independent Practice

Directions: For each problem, divide a rectangle to represent each quantity. Then, label the quantities and write the rate.

1. The Johnson Junior High eighth-grade football team has 12 boys on first string. 3 coaches work with the team. What is the rate of boys to coaches?

boys



coaches

$$\frac{12 \text{ boys}}{3 \text{ coaches}} = \frac{4 \text{ boys}}{1 \text{ coach}}$$

2. The first floor of Stefanie's school has 5 classrooms. She counted 10 windows in these classrooms. What is the rate of windows to rooms?

classrooms



windows

$$\frac{10 \text{ windows}}{5 \text{ classrooms}} = \frac{2 \text{ windows}}{1 \text{ classroom}}$$