

## Practice Sheet – Module 2 Topic 1 Test

Name \_\_\_\_\_

Essam buys 3 apples, 5 bananas, and 7 carrots from a market. What is the ratio of bananas to carrots?

- a. 7 to 5
  - b. 5 to 7
  - c. 3 to 7
  - d. 7 to 3
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There are 43 girls and 25 boys in the Valley View Middle School chorus.

- a. Write the ratio of girls to boys and the ratio of boys to girls in the chorus.
  
  - b. Are the ratios you wrote part-to-part or part-to-whole ratios?
  
  - c. Write the ratio of girls in the chorus to the total number of chorus members and the ratio of boys in the chorus to the total number of chorus members.
  
  - d. Are the ratios you wrote part-to-part or part-to-whole ratios?
  
  - e. Which is greater: the ratio of girls to the total number of chorus members, or the ratio of boys to the total number of chorus members? Show your work.
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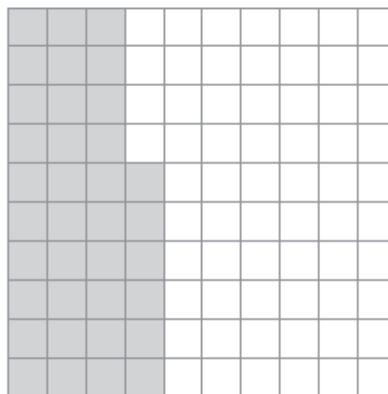
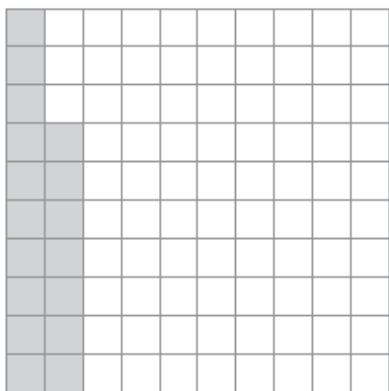
Of the 45 members of the Henley Middle School Drama Club, 28 are girls. Which is a part-to-part ratio that describes this situation?

- a.  $\frac{28 \text{ girls}}{45 \text{ members}}$
  - b.  $\frac{17 \text{ boys}}{45 \text{ members}}$
  - c.  $\frac{45 \text{ members}}{28 \text{ girls}}$
  - d.  $\frac{17 \text{ boys}}{28 \text{ girls}}$
- 

Scale up or scale down each ratio to determine the unknown quantity.

- a.  $\frac{385 \text{ miles}}{7 \text{ hours}} = \frac{?}{1 \text{ hour}}$
  
- b.  $\frac{3 \text{ red marbles}}{5 \text{ blue marbles}} = \frac{?}{35 \text{ blue marbles}}$
- c.  $\frac{2.4 \text{ centimeters}}{1 \text{ inch}} = \frac{?}{18 \text{ inches}}$

Each hundredth grid shown represents a whole. Write a fraction and a percent to represent the shaded part of each grid.



If you scale down the ratio on the left, what will you get for the unknown quantity on the right?

$$\frac{434 \text{ miles}}{14 \text{ gallons}} = \frac{?}{2 \text{ gallons}}$$

- a. 62 miles
- b. 31 miles
- c. 124 miles
- d. 72 miles

The shaded portion in each glass represents an amount of grape drink. Brad and Apollo each have glasses of grape drink that taste the same.



Brad's Glass    Apollo's Glass

If one teaspoon of grape mix is added to each glass, which glass will contain the grape drink with the stronger grape flavor?


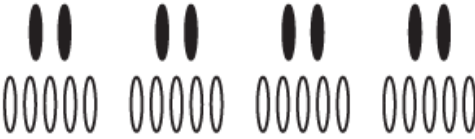


Two out of every three balls in a multi-colored package are pink.

- a. Draw a model that you can use to determine the number of balls that will be pink in a multi-colored package of 21 balls.
- b. How many balls in a package of 21 balls will be pink?

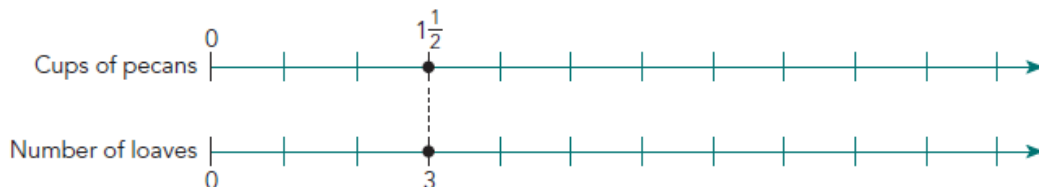
Doreen plans to use three more tablespoons of limeade mix today than what she used yesterday to make the same amount of limeade drink. What is true about today's limeade drink?

- a. The mix will have a stronger tasting limeade flavor.
- b. The mix will have a weaker tasting limeade flavor.
- c. The mix will have the same strength of limeade taste as yesterday.
- d. It cannot be determined.

Two out of every 7 rubber bands in a multi-colored package are green. Which model would you use to determine the number of rubber bands that will be green in a multi-colored package of 35 rubber bands?

- a. 
- b. 
- c. 
- d. 

Tracy is using a double number line to determine the amount of pecans she will use for a sour cream banana bread recipe. If she uses  $4\frac{1}{2}$  cups of pecans, how many loaves will she make?





Together, Asia and Ebony own 30 books. The tape diagram shows the ratio of *books Asia owns* : *books Ebony owns*.

Asia 

Ebony 

Which is a true statement? Select all that apply.

- a. Ebony owns 12 books.
- b. Asia owns 12 books.
- c. Ebony owns 18 books.
- d. Asia owns 18 books.