

Practice Sheet – Module 2 Topic 1 Test

Name Answer Key

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

There are 43 girls and 25 boys in the Valley View Middle School chorus.

$43 + 25 = 68 \text{ total}$

a. Write the ratio of girls to boys and the ratio of boys to girls in the chorus.

$43 \text{ to } 25$

$25 \text{ to } 43$

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.

$g : cm \Rightarrow 43 : 68$

$b : cm \Rightarrow 25 : 68$

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.

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?

28 girls 17 boys

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. $\frac{17 \text{ boys}}{28 \text{ girls}}$

$\frac{45}{28}$
 $\frac{17}{17}$

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

a. $\frac{385 \text{ miles}}{7 \text{ hours}} = \frac{?}{1 \text{ hour}}$ 55 miles

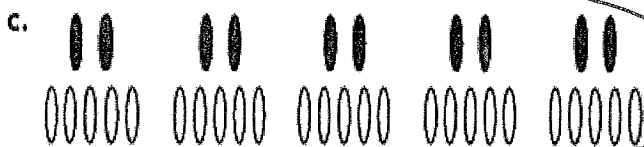
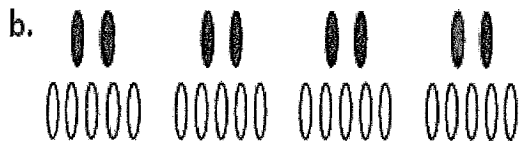
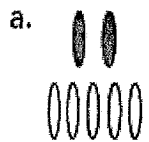
b. $\frac{3 \text{ red marbles}}{5 \text{ blue marbles}} = \frac{?}{35 \text{ blue marbles}}$ 21 red

c. $\frac{2.4 \text{ centimeters}}{1 \text{ inch}} = \frac{?}{18 \text{ inches}}$ 43.2 cm

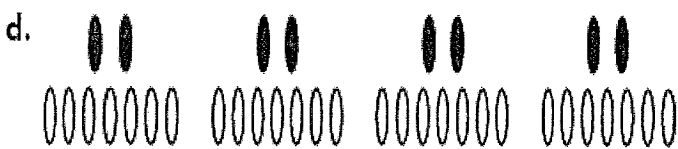
Doreen plans to use three more tablespoons of limeade mix today than what she used yesterday to make the same of amount of limeade drink. What is true about today's limeade drink?

- 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.

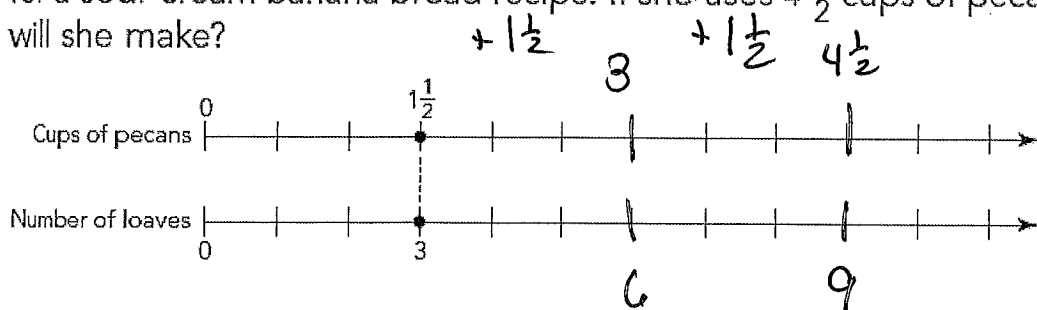
Two out of every 7 rubber bands in a multi-colored package are green. Which model would you use to determine the number of rubber bands that will be green in a multi-colored package of 35 rubber bands?



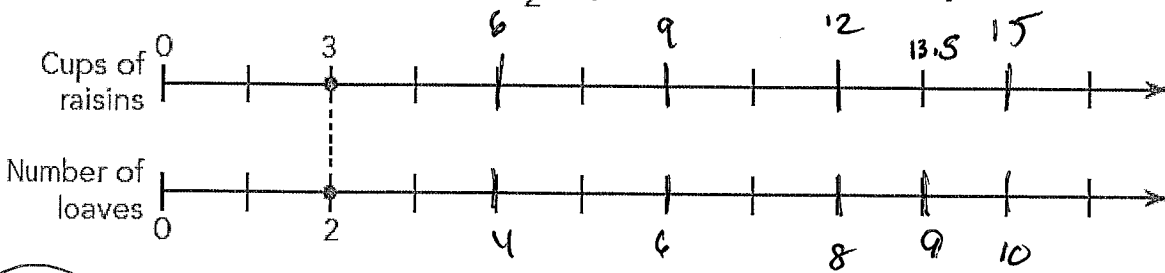
$\frac{10}{25} > \text{total} = 35$



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?



Chris is using a double number line to determine the amount of raisins he will use for a raisin bread recipe. If he uses $13\frac{1}{2}$ cups of raisins, how many loaves will he make?



- a. 9
 b. 10
 c. 12
 d. 20

A florist makes bouquets using different ratios of flowers. One bouquet of flowers has 2 lilies for every 4 carnations. Another bouquet has 1 aster for every 4 carnations.

a. Complete each ratio table.

Lilies	2	4	6	8	10
Carnations	4	8	12	16	20
Asters	1	2	3	4	5
Carnations	4	8	12	16	20

b. If both bouquets have 12 carnations, which bouquet has more flowers?

A company sells dried fruit in variety trays of peaches, pears, and apples. They always sell the fruit in the ratio of 5 peaches : 3 pears : 2 apples.

Peaches	2	2	2	2	2
---------	---	---	---	---	---

Pears	2	2	2
-------	---	---	---

Apples	2	2
--------	---	---

Which is a true statement? Select all that apply.

- a. In a tray with 20 pieces of fruit, there are 10 peaches.
 b. In a tray with 30 pieces of fruit, there are 9 peaches.
 c. In a tray with 40 pieces of fruit, there are 12 pears.
 d. In a tray with 50 pieces of fruit, there are 15 apples.
 e. In a tray with 60 pieces of fruit, there are 18 pears.
 f. In a tray with 80 pieces of fruit, there are 16 apples.

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

Asia

6	6	6
---	---	---

Ebony

6	6
---	---

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.