

Name: _____



PRACTICE



TUTORIAL

2-1 Additional Practice

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Leveled Practice In 1–3, complete the tables of equivalent ratios to solve.

1. There are 3 boys for every 6 girls at a movie. If there are 24 girls, how many boys are at the movie?

Boys	Girls
3	<input type="text"/>
<input type="text"/>	24

There are boys at the movie.

2. A store sells a package of 25 trading cards for \$5.25. What is the cost of one trading card?

Price	Trading Cards
<input type="text"/>	25
<input type="text"/>	1

The unit price is per card.

3. A car travels 374 meters in 17 seconds. A bus travels 414 meters in 23 seconds. Which vehicle is traveling faster? How much faster?

Car

Meters	Seconds
374	<input type="text"/>
<input type="text"/>	1

Bus

Meters	Seconds
<input type="text"/>	23
<input type="text"/>	1

The is traveling faster.

It is traveling faster by – = meters per second.

4. In a toy store, the ratio of dolls to teddy bears is 9:3. If the store has 240 dolls, how many teddy bears are in the store?

5. An airplane on autopilot took 5 hours to travel 3,475 kilometers. What was the airplane's speed, in kilometers per hour?

6. **Make Sense and Persevere** At a supermarket, a 6-ounce bottle of salad dressing costs \$1.56. A 14-ounce bottle costs \$3.36. A 20-ounce bottle costs \$5.60. Which bottle has the lowest cost per ounce? © MP.1



7. During a thunderstorm, 600 millimeters of rain fell in 30 minutes.

a. How fast did the rain fall, in millimeters per minute?

b. How fast did the rain fall, in millimeters per hour?

c. **Construct Arguments** Which unit rate do you think is more useful? Explain your reasoning. ©MP.3

8. Population density is the number of people per unit of area. The population density of a certain region is 60 people per square kilometer. If the region covers 23 square kilometers, what is the population of the region?

9. **Higher Order Thinking** In basketball, some baskets are worth three points. In one game, the ratio of three-point baskets made to three-point attempts for one team was 3:4. If the team scored 27 points from three-point baskets, how many three-point attempts did the team have?

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10. Allen is mixing red and yellow paints to make two different shades of orange. To make 1 cup of dark orange paint, he needs 7 ounces of red paint and 1 ounce of yellow paint. To make 2 cups of light orange paint, he needs 13 ounces of yellow paint and 3 ounces of red paint.

PART A

Allen buys a 32-oz can of red paint. Does he have enough red paint to make 3 cups of dark orange paint and 3 cups of light orange paint? Explain.

PART B

Allen decides to make 3 cups of dark orange paint and 3 cups of light orange paint. How many ounces of yellow paint does he need? Explain.

11. A covered bridge is 8 yards long. In a photograph for sale at a gallery, the bridge is 5 inches long. Which of the following statements is true? Select all that apply.

- One yard of the covered bridge is represented by 1.6 inches in the photograph.
- One inch on the photograph represents 1.6 yards of the real bridge.
- A tree that is 3 inches tall in the photograph is 4.8 yards tall.
- The people walking over the bridge are about 2.5 inches tall in the photograph.
- A river that is 12 yards wide is 7.5 inches wide in the photograph.

