

Unit 2: Ratios, Rates, and Percentages

CONCEPT

Name: _____ Date: _____

Solve each problem and write your short answer on the line. Show the single number, fraction, or ratio.

1. A fruit basket has 3 apples for every 2 oranges. Write the ratio of apples to oranges.

Answer: _____

2. A recipe uses 4 cups of flour to 1 cup of sugar. What is the ratio of sugar to flour?

Answer: _____

3. Write a ratio equivalent to 2:3 by multiplying both parts by 4.

Answer: _____

4. A car travels 60 miles in 1 hour. At this rate, how many miles does it travel in 3 hours?

Answer: _____

5. 8 pencils cost \$4. What is the unit price in dollars per pencil?

Answer: _____

6. A runner goes 12 meters in 4 seconds. What is the unit rate in meters per second?

Answer: _____

7. There are 5 red marbles for every 10 blue marbles. Write this ratio in simplest form.

Answer: _____

8. What is 50% of 40?

Answer: _____

9. What is 10% of 90?

Answer: _____

10. A shirt is 25% off. What fraction, in simplest form, represents 25%?

Answer: _____

11. If 3 notebooks cost \$6, how much do 5 notebooks cost at the same rate?

Answer: _____

12. A juice mix uses 2 parts water to 1 part concentrate. If you use 6 cups of water, how many cups of concentrate do you need?

Answer: _____