

Unit 2: Introducing Ratios

PRACTICE

Name: _____

Date: _____

Solve each problem. Write ratios in the form $a:b$ and fractions like $\frac{3}{4}$. Show only your final answer.

1. A fruit basket has 8 apples and 12 oranges. Write the ratio of apples to oranges in simplest form (as $a:b$).

Answer: _____

2. A recipe uses 3 cups of flour for every 2 cups of sugar. If you use 12 cups of flour, how many cups of sugar do you need?

Answer: _____

3. On a double number line, 4 tickets cost \$10. At the same rate, how much do 10 tickets cost (in dollars)?

Answer: _____

4. The ratio of red to blue marbles is 5:3. If there are 15 red marbles, how many blue marbles are there?

Answer: _____

5. A table shows that 6 pens cost \$9. How much does 1 pen cost (in dollars)?

Answer: _____

6. Are the ratios 4:6 and 10:15 equivalent? Answer yes or no.

Answer: _____

7. A tape diagram splits 20 candies in the ratio 3:1 between Maya and Sam. How many candies does Maya get?

Answer: _____

8. A car travels 150 miles on 5 gallons of gas. How many miles does it travel per gallon?

Answer: _____

9. The ratio of cats to dogs at a shelter is 2:5. If there are 35 dogs, how many cats are there?

Answer: _____

10. Complete the equivalent ratio: $7:4 = 21:?$ Find the missing number.

Answer: _____

11. A paint mix uses 2 parts white to 5 parts blue. To make 28 total parts, how many parts are blue?

Answer: _____

12. A store sells 3 notebooks for \$6. At this rate, how much do 8 notebooks cost (in dollars)?

Answer: _____