Unit 2: Introducing Ratios

PRACTICE · SET 2

Name: _____ Date: _____

Solve each problem. Show your work where needed and write your final answer on the line.

1. A recipe uses 3 cups of flour for every 2 cups of sugar. Write the ratio of flour to sugar in the form a:b using the given numbers.

Answer: _____

2. A double number line shows 4 apples cost $6. Following the same rate, how much do 8 apples cost, in dollars?

Answer: _____

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

Answer: _____

4. A table of equivalent ratios pairs 2 with 7 and 6 with the value x. Find x.

Answer: _____

5. In a tape diagram, 1 part represents 4 stickers. If a quantity is made of 5 equal parts, how many stickers is that?

Answer: _____

6. For every 3 cats there are 4 dogs. If there are 12 cats, how many dogs are there at the same ratio?

Answer: _____

7. A car travels 90 miles in 2 hours at a constant rate. How many miles does it travel in 1 hour?

Answer: _____

8. Is the ratio 6:8 equivalent to the ratio 3:4? Answer yes or no.

Answer: _____

9. Paint is mixed with 2 parts blue to 5 parts white. To keep the same ratio using 10 parts blue, how many parts white are needed?

Answer: _____

10. A double number line pairs 5 minutes with 3 laps. At the same rate, how many laps are completed in 20 minutes?

Answer: _____

11. Write the ratio 10:15 in simplest form as a:b.

Answer: _____

12. A table shows the ratio 8:6 is equivalent to 4:y. Find y.

Answer: _____