

Unit 9: Putting It All Together

PRACTICE · SET 2

Name: _____ Date: _____

Solve each problem and write your answer in the space provided. Show your work where needed.

1. A recipe uses 3 cups of flour for every 2 cups of sugar. Write the ratio of flour to sugar in simplest form.

Answer: _____

3. Evaluate the expression $4x + 7$ when $x = 5$.

Answer: _____

5. Compute: $-8 + 15$.

Answer: _____

7. A tank fills at 4 gallons per minute. How many gallons fill in 9 minutes?

Answer: _____

9. Compute: -3×6 .

Answer: _____

11. Evaluate the expression $3(n + 4)$ when $n = 2$.

Answer: _____

2. A car travels 150 miles in 3 hours at a constant speed. What is its speed in miles per hour?

Answer: _____

4. At a store, 5 notebooks cost \$12. At the same rate, how much do 8 notebooks cost, in dollars?

Answer: _____

6. Write an equivalent expression by combining like terms: $6a + 3a - 2a$.

Answer: _____

8. Evaluate $2^3 + 5$.

Answer: _____

10. The ratio of boys to girls in a class is 4:5. If there are 12 boys, how many girls are there?

Answer: _____

12. Which is greater, -7 or -2 ? Write the greater number.

Answer: _____