

Unit 9: Putting It All Together

CONCEPT

Name: _____ Date: _____

Solve each problem and write your short exact answer on the line. Show your work when it helps.

1. A recipe uses 2 cups of flour for every 3 cups of water. Write the ratio of flour to water as a ratio in the form a:b.

Answer: _____

3. Compute: $\frac{1}{4} + \frac{1}{2}$. Give your answer as a fraction.

Answer: _____

5. A bag has 6 red marbles and 4 blue marbles. What is the ratio of red marbles to the total number of marbles, written as a:b?

Answer: _____

7. Evaluate 2^3 .

Answer: _____

9. Compute: $\frac{3}{5} - \frac{1}{5}$. Give your answer as a fraction.

Answer: _____

11. A rectangle has a length of 5 and a width of 4. What is its area?

Answer: _____

2. Find the value of the expression $4x + 5$ when $x = 3$.

Answer: _____

4. What is $-8 + 3$?

Answer: _____

6. Compute: $\frac{2}{3} \times 6$. Give your answer as a whole number.

Answer: _____

8. A car travels 120 miles in 2 hours at a constant speed. How many miles does it travel in 1 hour?

Answer: _____

10. What is the absolute value of -7, written $|-7|$?

Answer: _____

12. Divide: $\frac{3}{4} \div \frac{1}{4}$. Give your answer as a whole number.

Answer: _____