

Unit 9: Putting It All Together

CONCEPT

Name: _____ Date: _____

Solve each problem and write your short answer on the line. Show your work when you can.

1. Write the ratio of 6 apples to 9 oranges in simplest form (use a:b).

Answer: _____

2. A car travels 120 miles in 2 hours. What is the speed in miles per hour?

Answer: _____

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

Answer: _____

4. What is the value of $-8 + 3$?

Answer: _____

5. At a store, 4 pens cost \$8. What is the unit price in dollars per pen?

Answer: _____

6. Simplify the ratio 10:15 to lowest terms (use a:b).

Answer: _____

7. Evaluate 2^3 .

Answer: _____

8. What is the absolute value of -7? Write it as $|-7|$.

Answer: _____

9. A recipe uses 2 cups of flour for every 3 cups of sugar. How many cups of flour are needed for 9 cups of sugar?

Answer: _____

10. Evaluate the expression $5a - 2$ when $a = 3$.

Answer: _____

11. What is $-6 - 4$?

Answer: _____

12. A printer prints 15 pages in 3 minutes. How many pages does it print per minute?

Answer: _____