Name: _____

7th Grade Weekly Math Review Week 15

Solve each problem. Show your work.

1. 45% of 60 = _____

2. 75% of 120 = _____

3. $-16 + 19 =$ _____

4. $15 + (-14) =$ _____

5. y is proportional to x. When x = 9, y = 45. Find the constant of proportionality k and write the equation.

   Answer: _____

6. 28 cups of flour make 7 batches of muffins. What is the constant of proportionality?

   Answer: _____

7. A pair of shoes costs $30.00. It is 10% off. What is the sale price?

   Answer: _____

8. $-9 - 17 =$ _____

9. $3(x - 3) =$ _____

10. $5x + 9x - 5 =$ _____

11. $9x + 2x - 9 =$ _____

12. $5(x + 8) =$ _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 15

Solve each problem. Show your work.

1. 45% of 60 = 27

2. 75% of 120 = 90

3. −16 + 19 = 3

4. 15 + (−14) = 1

5. y is proportional to x. When x = 9, y = 45. Find the constant of proportionality k and write the equation.

   Answer: k = 5, y = 5x

6. 28 cups of flour make 7 batches of muffins. What is the constant of proportionality?

   Answer: 4 cups per batch

7. A pair of shoes costs $30.00. It is 10% off. What is the sale price?

   Answer: $27.00

8. −9 − 17 = −26

9. 3(x − 3) = 3x − 9

10. 5x + 9x − 5 = 14x − 5

11. 9x + 2x − 9 = 11x − 9

12. 5(x + 8) = 5x + 40