Name: _____

7th Grade Weekly Math Review Week 28

Solve each problem. Show your work.

1. the opposite of −9 = _____

2. 90% of 240 = _____

3. −5 ÷ (−1) = _____

4. Mia earns $84 for 7 hours of babysitting. What is the constant of proportionality?

   Answer: _____

5. A pair of shoes costs $150.00. It is 20% off. What is the sale price?

   Answer: _____

6. 40 cups of flour make 10 batches of muffins. What is the constant of proportionality?

   Answer: _____

7. 5.6 × 4.9 = _____

8. A town's population (in hundreds) changed from 50 to 55. Find the percent increase.

   Answer: _____

9. Two angles are complementary. They measure 2x° and (x + 33)°. Find x.

   Answer: _____

10. Two angles are supplementary. One measures 3x° and the other measures (1x + 92)°. Find x.

    Answer: _____

11. supplement of 74° = _____

12. Two vertical angles measure (3x + 10)° and 70°. Find x.

    Answer: _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 28

Solve each problem. Show your work.

1. the opposite of −9 = 9

2. 90% of 240 = 216

3. −5 ÷ (−1) = 5

4. Mia earns $84 for 7 hours of babysitting. What is the constant of proportionality?

   Answer: 12 dollars per hour

5. A pair of shoes costs $150.00. It is 20% off. What is the sale price?

   Answer: $120.00

6. 40 cups of flour make 10 batches of muffins. What is the constant of proportionality?

   Answer: 4 cups per batch

7. 5.6 × 4.9 = 27.44

8. A town's population (in hundreds) changed from 50 to 55. Find the percent increase.

   Answer: 10% increase

9. Two angles are complementary. They measure 2x° and (x + 33)°. Find x.

   Answer: x = 19

10. Two angles are supplementary. One measures 3x° and the other measures (1x + 92)°. Find x.

    Answer: x = 22

11. supplement of 74° = 106°

12. Two vertical angles measure (3x + 10)° and 70°. Find x.

    Answer: x = 20