Name: _____

7th Grade Weekly Math Review Week 18

Solve each problem. Show your work.

1. $\frac{3}{10} \div \frac{3}{8} =$ _____

2. 80% of 250 = _____

3. Mia earns $28 for 4 hours of babysitting. What is the constant of proportionality?

   Answer: _____

4. $7x + 2x - 7 =$ _____

5. y is proportional to x. When x = 4, y = 24. Find the constant of proportionality k and write the equation.

   Answer: _____

6. 1 cups in 1/4 batch. Find the unit rate.

   Answer: _____

7. $\frac{1}{2} \div \left(-\frac{3}{5} \right) =$ _____

8. $9x + 6x - 9 =$ _____

9. $7x + 8 = 71 \quad x =$ _____

10. $7x + 3 = 52 \quad x =$ _____

11. Solve the inequality: $x + 2 > 34$

    Answer: _____

12. $9x - 15 = -24 \quad x =$ _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 18

Solve each problem. Show your work.

1. $\frac{3}{10} \div \frac{3}{8} =$ $\frac{4}{5}$

2. 80% of 250 = 200

3. Mia earns $28 for 4 hours of babysitting. What is the constant of proportionality?

   Answer: 7 dollars per hour

4. $7x + 2x - 7 =$ $9x - 7$

5. y is proportional to x. When x = 4, y = 24. Find the constant of proportionality k and write the equation.

   Answer: k = 6, y = 6x

6. 1 cups in 1/4 batch. Find the unit rate.

   Answer: 4 cups per batch

7. $\frac{1}{2} \div \left(-\frac{3}{5} \right) =$ $-\frac{5}{6}$

8. $9x + 6x - 9 =$ $15x - 9$

9. $7x + 8 = 71$ $x =$ 9

10. $7x + 3 = 52$ $x =$ 7

11. Solve the inequality: $x + 2 > 34$

    Answer: $x > 32$

12. $9x - 15 = -24$ $x =$ -1