Name: _____

7th Grade Weekly Math Review Week 2

Solve each problem. Show your work.

1. $3 + 6 \times 9 =$ _____

2. $\frac{7}{10} \div \frac{1}{2} =$ _____

3. $|-7| + |-7| =$ _____

4. $-|-25| =$ _____

5. $(16 - 8) \times (4 + 4) =$ _____

6. $\frac{5}{6} \div \frac{5}{6} =$ _____

7. 60% of 360 = _____

8. the opposite of -7 = _____

9. y is proportional to x. When x = 8, y = 6. Find the constant of proportionality k and write the equation.

   Answer: _____

10. y is proportional to x. When x = 4, y = 2. Find the constant of proportionality k and write the equation.

    Answer: _____

11. $\frac{4}{11} = \frac{20}{x}$ $x =$ _____

12. A car uses 1 gallons of gas in 2 hours. What is the constant of proportionality?

    Answer: _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 2

Solve each problem. Show your work.

1. $3 + 6 \times 9 =$ 57

2. $\frac{7}{10} \div \frac{1}{2} =$ $1\frac{2}{5}$

3. $|-7| + |-7| =$ 14

4. $-|-25| =$ -25

5. $(16 - 8) \times (4 + 4) =$ 64

6. $\frac{5}{6} \div \frac{5}{6} =$ 1

7. 60% of 360 = 216

8. the opposite of -7 = 7

9. y is proportional to x. When x = 8, y = 6. Find the constant of proportionality k and write the equation.

   Answer: $k = \frac{3}{4}$, $y = \frac{3}{4}x$

10. y is proportional to x. When x = 4, y = 2. Find the constant of proportionality k and write the equation.

    Answer: $k = \frac{1}{2}$, $y = \frac{1}{2}x$

11. $\frac{4}{11} = \frac{20}{x}$ $x =$ 55

12. A car uses 1 gallons of gas in 2 hours. What is the constant of proportionality?

    Answer: $\frac{1}{2}$ gallons per hour