Name: _____

7th Grade Weekly Math Review Week 1

Solve each problem. Show your work.

1. $(7 + 7) \times 4 =$ _____

2. $\frac{2}{3} \div \frac{3}{8} =$ _____

3. 25% of 150 = _____

4. $\frac{1}{8} \div \frac{1}{6} =$ _____

5. $4 + 6 \times [6 - (3 - 1)] =$ _____

6. $|-28| =$ _____

7. $|19| =$ _____

8. 75% of 120 = _____

9. A car uses 80 gallons of gas in 10 hours. What is the constant of proportionality?

   Answer: _____

10. $\frac{9}{14} = \frac{x}{42}$ $x =$ _____

11. y is proportional to x. When x = 9, y = 135. Find the constant of proportionality k and write the equation.

    Answer: _____

12. $\frac{10}{13} = \frac{30}{x}$ $x =$ _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 1

Solve each problem. Show your work.

1. $(7 + 7) \times 4 =$ 56

2. $\frac{2}{3} \div \frac{3}{8} =$ $1\frac{7}{9}$

3. 25% of 150 = 37.5

4. $\frac{1}{8} \div \frac{1}{6} =$ $\frac{3}{4}$

5. $4 + 6 \times [6 - (3 - 1)] =$ 28

6. $|-28| =$ 28

7. $|19| =$ 19

8. 75% of 120 = 90

9. A car uses 80 gallons of gas in 10 hours. What is the constant of proportionality?

   Answer: 8 gallons per hour

10. $\frac{9}{14} = \frac{x}{42}$ $x =$ 27

11. y is proportional to x. When x = 9, y = 135. Find the constant of proportionality k and write the equation.

    Answer: k = 15, y = 15x

12. $\frac{10}{13} = \frac{30}{x}$ $x =$ 39