Name: _____

7th Grade Weekly Math Review Week 7

Solve each problem. Show your work.

1. $\frac{1}{4} \div \frac{5}{6} =$ _____

2. 50% of 500 = _____

3. y is proportional to x. When x = 9, y = 54. Find the constant of proportionality k and write the equation.

   Answer: _____

4. 22 cups of flour make 11 batches of muffins. What is the constant of proportionality?

   Answer: _____

5. 3/4 pounds in 1/3 day. Find the unit rate.

   Answer: _____

6. 55 cups of flour make 11 batches of muffins. What is the constant of proportionality?

   Answer: _____

7. 1/4 pounds in 1/2 day. Find the unit rate.

   Answer: _____

8. y is proportional to x. When x = 6, y = 3. Find the constant of proportionality k and write the equation.

   Answer: _____

9. A town's population (in hundreds) changed from 200 to 160. Find the percent decrease.

   Answer: _____

10. A town's population (in hundreds) changed from 20 to 22. Find the percent increase.

    Answer: _____

11. A restaurant bill is $59.13. You leave a 15% tip. What is the tip, and what is the total?

    Answer: _____

12. A restaurant bill is $82.48. You leave a 20% tip. What is the tip, and what is the total?

    Answer: _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 7

Solve each problem. Show your work.

1. $\frac{1}{4} \div \frac{5}{6} =$ $\frac{3}{10}$

2. 50% of 500 = 250

3. y is proportional to x. When x = 9, y = 54. Find the constant of proportionality k and write the equation.

   Answer: k = 6, y = 6x

4. 22 cups of flour make 11 batches of muffins. What is the constant of proportionality?

   Answer: 2 cups per batch

5. 3/4 pounds in 1/3 day. Find the unit rate.

   Answer: $2\frac{1}{4}$ pounds per day

6. 55 cups of flour make 11 batches of muffins. What is the constant of proportionality?

   Answer: 5 cups per batch

7. 1/4 pounds in 1/2 day. Find the unit rate.

   Answer: $\frac{1}{2}$ pounds per day

8. y is proportional to x. When x = 6, y = 3. Find the constant of proportionality k and write the equation.

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

9. A town's population (in hundreds) changed from 200 to 160. Find the percent decrease.

   Answer: 20% decrease

10. A town's population (in hundreds) changed from 20 to 22. Find the percent increase.

    Answer: 10% increase

11. A restaurant bill is $59.13. You leave a 15% tip. What is the tip, and what is the total?

    Answer: $8.87 tip, $68.00 total

12. A restaurant bill is $82.48. You leave a 20% tip. What is the tip, and what is the total?

    Answer: $16.50 tip, $98.98 total