Name: _____

7th Grade Weekly Math Review Week 6

Solve each problem. Show your work.

1. $\frac{9}{10} \div \frac{1}{2} =$ _____

2. 60% of 360 = _____

3. $\frac{4}{6} = \frac{16}{x}$ x = _____

4. Mia earns $45 for 5 hours of babysitting. What is the constant of proportionality?

   Answer: _____

5. 12 cups of flour make 3 batches of muffins. What is the constant of proportionality?

   Answer: _____

6. $\frac{12}{10} = \frac{18}{x}$ x = _____

7. $\frac{x}{3} = \frac{54}{18}$ x = _____

8. $\frac{x}{11} = \frac{20}{55}$ x = _____

9. A restaurant bill is $83.14. You leave a 20% tip. What is the tip, and what is the total?

   Answer: _____

10. A town's population (in hundreds) changed from 200 to 100. Find the percent decrease.

    Answer: _____

11. The number of students in a club changed from 80 to 112. Find the percent increase.

    Answer: _____

12. A restaurant bill is $29.48. You leave a 18% tip. What is the tip, and what is the total?

    Answer: _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 6

Solve each problem. Show your work.

1. $\frac{9}{10} \div \frac{1}{2} =$ $1\frac{4}{5}$

2. 60% of 360 = 216

3. $\frac{4}{6} = \frac{16}{x}$ $x =$ 24

4. Mia earns $45 for 5 hours of babysitting. What is the constant of proportionality?

   Answer: 9 dollars per hour

5. 12 cups of flour make 3 batches of muffins. What is the constant of proportionality?

   Answer: 4 cups per batch

6. $\frac{12}{10} = \frac{18}{x}$ $x =$ 15

7. $\frac{x}{3} = \frac{54}{18}$ $x =$ 9

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

9. A restaurant bill is $83.14. You leave a 20% tip. What is the tip, and what is the total?

   Answer: $16.63 tip, $99.77 total

10. A town's population (in hundreds) changed from 200 to 100. Find the percent decrease.

    Answer: 50% decrease

11. The number of students in a club changed from 80 to 112. Find the percent increase.

    Answer: 40% increase

12. A restaurant bill is $29.48. You leave a 18% tip. What is the tip, and what is the total?

    Answer: $5.31 tip, $34.79 total