Name: _____

7th Grade Weekly Math Review Week 9

Solve each problem. Show your work.

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

2. $8 \times (8 + 7) - 3 =$ _____

3. 3 cups of flour make 4 batches of muffins. What is the constant of proportionality?

   Answer: _____

4. The price of a bike changed from 60 to 69. Find the percent increase.

   Answer: _____

5. The temperature changed from 20 to 22. Find the percent increase.

   Answer: _____

6. The number of students in a club changed from 120 to 108. Find the percent decrease.

   Answer: _____

7. A restaurant bill is $22.01. You leave a 20% tip. What is the tip, and what is the total?

   Answer: _____

8. $\frac{x}{3} = \frac{40}{15}$ $x =$ _____

9. $-10 + (-9) =$ _____

10. $-2 - 17 =$ _____

11. $-13 + (-10) =$ _____

12. $-64 \div 8 =$ _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 9

Solve each problem. Show your work.

1. $\frac{4}{5} \div \frac{5}{8} =$ $1\frac{7}{25}$

2. $8 \times (8 + 7) - 3 =$ 117

3. 3 cups of flour make 4 batches of muffins. What is the constant of proportionality?

   Answer: $\frac{3}{4}$ cups per batch

4. The price of a bike changed from 60 to 69. Find the percent increase.

   Answer: 15% increase

5. The temperature changed from 20 to 22. Find the percent increase.

   Answer: 10% increase

6. The number of students in a club changed from 120 to 108. Find the percent decrease.

   Answer: 10% decrease

7. A restaurant bill is $22.01. You leave a 20% tip. What is the tip, and what is the total?

   Answer: $4.40 tip, $26.41 total

8. $\frac{x}{3} = \frac{40}{15}$ $x =$ 8

9. $-10 + (-9) =$ −19

10. $-2 - 17 =$ −19

11. $-13 + (-10) =$ −23

12. $-64 \div 8 =$ −8