Name: _____

7th Grade Weekly Math Review Week 5

Solve each problem. Show your work.

1. $|3| + |-14| =$ _____

2. $[3 + (12 - 6)] \times 6 =$ _____

3. 2/3 gallons in 1/4 minute. Find the unit rate.

Answer: _____

4. $\frac{3}{x} = \frac{15}{35}$ $x =$ _____

5. A car uses 64 gallons of gas in 8 hours. What is the constant of proportionality?

Answer: _____

6. 2/3 miles in 1/3 hour. Find the unit rate.

Answer: _____

7. 1/2 gallons in 1/6 minute. Find the unit rate.

Answer: _____

8. 3/8 pounds in 1/4 day. Find the unit rate.

Answer: _____

9. A store buys a toy for $50.00 and marks it up 60%. What is the selling price?

Answer: _____

10. The temperature changed from 60 to 84. Find the percent increase.

Answer: _____

11. A restaurant bill is $35.36. You leave a 18% tip. What is the tip, and what is the total?

Answer: _____

12. A video game costs $28.42. Sales tax is 7.5%. What is the total cost?

Answer: _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 5

Solve each problem. Show your work.

1. $|3| + |-14| =$ 17

2. $[3 + (12 - 6)] \times 6 =$ 54

3. 2/3 gallons in 1/4 minute. Find the unit rate.

   Answer: $2\frac{2}{3}$ gallons per minute

4. $\frac{3}{x} = \frac{15}{35}$ $x =$ 7

5. A car uses 64 gallons of gas in 8 hours. What is the constant of proportionality?

   Answer: 8 gallons per hour

6. 2/3 miles in 1/3 hour. Find the unit rate.

   Answer: 2 miles per hour

7. 1/2 gallons in 1/6 minute. Find the unit rate.

   Answer: 3 gallons per minute

8. 3/8 pounds in 1/4 day. Find the unit rate.

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

9. A store buys a toy for $50.00 and marks it up 60%. What is the selling price?

   Answer: $80.00

10. The temperature changed from 60 to 84. Find the percent increase.

    Answer: 40% increase

11. A restaurant bill is $35.36. You leave a 18% tip. What is the tip, and what is the total?

    Answer: $6.36 tip, $41.72 total

12. A video game costs $28.42. Sales tax is 7.5%. What is the total cost?

    Answer: $30.55