Name: _____

6th Grade Weekly Math Review Week 31

Solve each problem. Show your work.

1. $\frac{2}{5} \times \frac{5}{6} =$ _____

2. $\frac{2}{3} + \frac{1}{8} =$ _____

3. $4\frac{1}{4} \div \frac{2}{3} =$ _____

4. $x^2 + 6$ when $x = 9 =$ _____

5. 20 is what % of 200? _____

6. Solve the inequality: $x + 12 < 32$

   Answer: _____

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

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

9. A tank with no lid is 7 ft long, 6 ft wide and 5 ft deep. How much glass is needed for the 4 sides and bottom?

   Answer: _____

10. A cube has edges of 4 ft. What is its volume?

    Answer: _____

11. A cube has edges of 2 cm. What is its surface area?

    Answer: _____

12. How much wrapping paper covers a box that is 12 in by 2 in by 10 in? (Find the surface area.)

    Answer: _____

Name: **ANSWER KEY**

6th Grade Weekly Math Review Week 31

Solve each problem. Show your work.

1. $\frac{2}{5} \times \frac{5}{6} =$ $\frac{1}{3}$

2. $\frac{2}{3} + \frac{1}{8} =$ $\frac{19}{24}$

3. $4\frac{1}{4} \div \frac{2}{3} =$ $6\frac{3}{8}$

4. $x^2 + 6$ when $x = 9 =$ 87

5. 20 is what % of 200? 10%

6. Solve the inequality: $x + 12 < 32$

   Answer: $x < 20$

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

8. $1\frac{2}{3} \div 2 =$ $\frac{5}{6}$

9. A tank with no lid is 7 ft long, 6 ft wide and 5 ft deep. How much glass is needed for the 4 sides and bottom?

   Answer: 172 sq ft

10. A cube has edges of 4 ft. What is its volume?

    Answer: 64 cubic ft

11. A cube has edges of 2 cm. What is its surface area?

    Answer: 24 sq cm

12. How much wrapping paper covers a box that is 12 in by 2 in by 10 in? (Find the surface area.)

    Answer: 328 sq in