Name: _____

7th Grade Weekly Math Review Week 32

Solve each problem. Show your work.

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

2. the opposite of $-14 =$ _____

3. A circular track has a radius of 3 m. How far is one lap around it? Use 3.14 for π.

   Answer: _____

4. $(-10) \times 5 =$ _____

5. $6(x - 4) =$ _____

6. A circular track has a radius of 9 m. How far is one lap around it? Use 3.14 for π.

   Answer: _____

7. What is the surface area of a box that is 3 in by 3 in by 4 in?

   Answer: _____

8. A car uses 90 gallons of gas in 10 hours. What is the constant of proportionality?

   Answer: _____

9. A fair 6-sided number cube is rolled. What is the probability of rolling an even number?

   Answer: _____

10. A fair 6-sided number cube is rolled. What is the probability of rolling a prime number?

    Answer: _____

11. A bag has 7 green, 9 yellow, 6 red marbles. One is picked at random. What is P(not yellow)?

    Answer: _____

12. A bag has 1 blue, 5 yellow, 3 green marbles. One is picked at random. What is P(not green)?

    Answer: _____

Name: **ANSWER KEY**

7th Grade Weekly Math Review Week 32

Solve each problem. Show your work.

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

2. the opposite of −14 = 14

3. A circular track has a radius of 3 m. How far is one lap around it? Use 3.14 for π.

   Answer: 18.84 m

4. (−10) × 5 = −50

5. 6(x − 4) = 6x − 24

6. A circular track has a radius of 9 m. How far is one lap around it? Use 3.14 for π.

   Answer: 56.52 m

7. What is the surface area of a box that is 3 in by 3 in by 4 in?

   Answer: 66 sq in

8. A car uses 90 gallons of gas in 10 hours. What is the constant of proportionality?

   Answer: 9 gallons per hour

9. A fair 6-sided number cube is rolled. What is the probability of rolling an even number?

   Answer: $\frac{1}{2}$

10. A fair 6-sided number cube is rolled. What is the probability of rolling a prime number?

    Answer: $\frac{1}{2}$

11. A bag has 7 green, 9 yellow, 6 red marbles. One is picked at random. What is P(not yellow)?

    Answer: $\frac{13}{22}$

12. A bag has 1 blue, 5 yellow, 3 green marbles. One is picked at random. What is P(not green)?

    Answer: $\frac{2}{3}$