

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

**\*Worksheet - Finding the Probability of an Event II**

Find the probability for the following events.

1. A bag contains 4 red marbles, 16 yellow marbles, 5 purple marbles, 16 blue marbles, and 10 green marbles. What is the probability of pulling out a red or a green marble?

$$\frac{14}{51}$$

2. If one letter is chosen at random from the word *combed*, what is the probability that the letter chosen will be a "d"?

$$\frac{1}{6}$$

3. A dice cube has 6 sides that are numbered 1 to 6. If the cube is thrown once, what is the probability of rolling an odd number?

$$\frac{3}{6} = \frac{1}{2}$$

4. If one letter is chosen at random from the word *refuse*, what is the probability that the letter chosen will be an "e"?

$$\frac{2}{6} = \frac{1}{3}$$

5. The sides of number cube have the numbers 2, 4, 8, 9, 4, and 7. If the cube is thrown once, what is the probability of rolling a 7?

$$\frac{1}{6}$$

6. If one letter is chosen at random from the word *substitute*, what is the probability that the letter chosen will be a "t"?

$$\frac{3}{10}$$

7. A die has sides are numbered 1 to 6. If the cube is thrown once, what is the probability of rolling a 6?

$$\frac{1}{6}$$

8. A bag contains 12 red marbles, 10 green marbles, 2 yellow marbles, 19 blue marbles, and 9 purple marbles. What is the probability of pulling out a green marble?

$$\frac{10}{52} = \frac{5}{26}$$

9. If one letter is chosen at random from the word *assists*, what is the probability that the letter chosen will be an "s"?

$$\frac{4}{7}$$

10. The sides of a number cube have the numbers 9, 3, 5, 3, 7, and 9. If the cube is thrown once, what is the probability of rolling a 9?

$$\frac{2}{6} = \frac{1}{3}$$