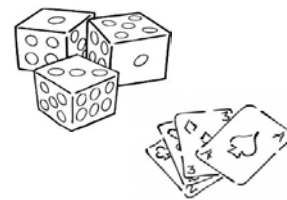


## PROBABILITY

## ANSWERS

Solve the problems below. Simplify your fractions to lowest terms.



1. What is the probability of getting a 5 after rolling a single 6-sided die?

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

2. What is the probability of pulling an ace from a standard deck of playing cards? (deck has 52 cards)

$$\frac{1}{13}$$

3. What is the probability of choosing a red marble from a bag containing 4 red, 3 green, and 3 blue marbles?

$$\frac{2}{5}$$

4. What is the probability of pulling a 2, 3, or 4 from a standard deck of playing cards?

$$\frac{3}{13}$$

5. What is the probability of choosing a letter from a jar containing all the letters in the English alphabet? (26 letters in the English alphabet)

$$\frac{26}{26} = 1$$

6. What is the probability of choosing a vowel from the same jar used in problem 5?

$$\frac{5}{26}$$

7. What is the probability of getting an odd number after rolling a single 6-sided die?

$$\frac{1}{2}$$

8. What is the probability of not choosing a blue marble from a bag containing 6 red, 2 green, and 8 blue marbles?

$$\frac{1}{2}$$

9. What is the probability of getting a prime number after rolling a single 10-sided die (1-10)?

$$\frac{2}{5}$$

10. What is the probability of choosing a pink ball from a bag containing 1 black, 2 yellow, 5 green, and 4 blue colored balls?

$$0$$

11. Two dice are rolled. What is the probability the sum will be greater than 10?

$$\frac{1}{12}$$

12. There are 15 balls in a jar and the probability of pulling out a blue ball is  $\frac{1}{5}$ . How many blue balls are in the jar?

$$3$$