

Probability Basics

Grades 7-8 • Calculating basic probability from common scenarios

Name: _____

Date: _____

1. What is the probability of getting heads when flipping a fair coin?

Answer: _____

2. What is the probability of drawing a heart from a standard 52-card deck?

Answer: _____

3. What is the probability of getting heads when flipping a fair coin?

Answer: _____

4. What is the probability of drawing a red card from a standard 52-card deck?

Answer: _____

5. A bag contains 4 red balls, 8 blue balls, and 2 green balls. What is the probability of drawing a red ball?

Answer: _____

6. What is the probability of drawing a heart from a standard 52-card deck?

Answer: _____

7. A bag contains 8 red balls, 6 blue balls, and 4 green balls. What is the probability of drawing a green ball?

Answer: _____

8. What is the probability of getting heads when flipping a fair coin?

Answer: _____

9. What is the probability of rolling a 1 on a standard six-sided die?

Answer: _____

10. What is the probability of getting tails when flipping a fair coin?

Answer: _____

Generated by PEMDAS Pathway • June 18, 2026

Answer Key

1.	What is the probability of getting heads when flipping a fair coin?	1/2
2.	What is the probability of drawing a heart from a standard 52-card deck?	1/4
3.	What is the probability of getting heads when flipping a fair coin?	1/2
4.	What is the probability of drawing a red card from a standard 52-card deck?	1/2
5.	A bag contains 4 red balls, 8 blue balls, and 2 green balls. What is the probability of drawing a red ball?	2/7
6.	What is the probability of drawing a heart from a standard 52-card deck?	1/4
7.	A bag contains 8 red balls, 6 blue balls, and 4 green balls. What is the probability of drawing a green ball?	2/9
8.	What is the probability of getting heads when flipping a fair coin?	1/2
9.	What is the probability of rolling a 1 on a standard six-sided die?	1/6
10.	What is the probability of getting tails when flipping a fair coin?	1/2