Probability Practice

Grades 6-7 | 12 problems | Write each answer as a fraction in simplest form coolmathgame.co.uk

Name: _____ Date: _____

Probability = number of favorable outcomes / number of possible outcomes. An impossible event has probability 0, and a certain event has probability 1.

1. A fair number cube (1-6) is rolled. What is P(4)? _____

2. A fair number cube is rolled. What is P(even number)? _____

3. A fair number cube is rolled. What is P(number greater than 4)? _____

4. A fair number cube is rolled. What is P(7)? _____

5. A bag has 5 red, 3 blue and 2 green marbles. You pick one without looking. What is P(red)? _____

6. Same bag. What is P(blue)? _____

7. Same bag. What is P(not green)? _____

8. A spinner has 8 equal sections numbered 1 to 8. What is P(multiple of 3)? _____

9. Same spinner. What is P(prime number)? _____

10. Two fair coins are flipped. What is P(two heads)? _____

11. Two fair coins are flipped. What is P(at least one tail)? _____

12. A spinner landed on red 12 times in 40 spins. What is the experimental probability of red? _____

Free printable from Cool Math Game Puzzle. Free to print for classroom and home use.
Play this topic online with instant checking: coolmathgame.co.uk/probability-practice-problems/

Probability Practice - Answer Key

Grades 6-7 | 12 problems | Write each answer as a fraction in simplest form coolmathgame.co.uk

Probability = number of favorable outcomes / number of possible outcomes. An impossible event has probability 0, and a certain event has probability 1.

1. A fair number cube (1-6) is rolled. What is P(4)? **1/6**

2. A fair number cube is rolled. What is P(even number)? **1/2**

3. A fair number cube is rolled. What is P(number greater than 4)? **1/3**

4. A fair number cube is rolled. What is P(7)? **0**

5. A bag has 5 red, 3 blue and 2 green marbles. You pick one without looking. What is P(red)? **1/2**

6. Same bag. What is P(blue)? **3/10**

7. Same bag. What is P(not green)? **4/5**

8. A spinner has 8 equal sections numbered 1 to 8. What is P(multiple of 3)? **1/4**

9. Same spinner. What is P(prime number)? **1/2**

10. Two fair coins are flipped. What is P(two heads)? **1/4**

11. Two fair coins are flipped. What is P(at least one tail)? **3/4**

12. A spinner landed on red 12 times in 40 spins. What is the experimental probability of red? **3/10**

Free printable from Cool Math Game Puzzle. Free to print for classroom and home use.
Play this topic online with instant checking: coolmathgame.co.uk/probability-practice-problems/