

# **Class 9 Mathematics - The Mathematics of Maybe: Introduction to Probability**

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

## **Advanced Worksheet 1**

### **Questions**

1. A fair die is rolled. Find the probability of getting a factor of 6.
2. Find the probability of getting a multiple of 2.
3. Find the probability of getting a number greater than 2 but less than 6.
4. Find the probability of getting a perfect square.
5. Find the probability of getting a prime number.
6. Which event is more likely: getting a prime number or a perfect square?

### **Answer Key**

1.  $\frac{4}{6} = \frac{2}{3}$
2.  $\frac{3}{6} = \frac{1}{2}$
3.  $\frac{3}{6} = \frac{1}{2}$
4.  $\frac{2}{6} = \frac{1}{3}$
5.  $\frac{3}{6} = \frac{1}{2}$
6. Prime number