

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

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

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

## Advanced Worksheet 3

### Questions

1. Two coins are tossed. Write the sample space.
2. Find the probability of getting at least one head.
3. Find the probability of getting at least one tail.
4. Find the probability of getting exactly one tail.
5. Find the probability of getting the same result on both coins.
6. Find the probability of getting different results on the two coins.

### Answer Key

1. {HH, HT, TH, TT}
2.  $\frac{3}{4}$
3.  $\frac{3}{4}$
4.  $\frac{2}{4} = \frac{1}{2}$
5.  $\frac{2}{4} = \frac{1}{2}$
6.  $\frac{2}{4} = \frac{1}{2}$