

## Class 10 Mathematics - Probability

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

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

### Advanced Worksheet 4

#### Questions

1. A box contains 12 red, 9 blue and 3 white balls. One ball is drawn at random. Find the probability that it is not white.
2. A die is thrown twice. Find the probability that neither throw shows 5.
3. A card is drawn from a deck of cards. Find the probability of drawing a red card or a king.
4. Three coins are tossed simultaneously. Find the probability of getting all tails.
5. A die is thrown once. Find the probability of getting a number less than 5.
6. Two dice are thrown simultaneously. Find the probability that the sum is 12.

#### Answer Key

1.  $\frac{21}{24} = \frac{7}{8}$
2.  $\frac{25}{36}$
3.  $\frac{28}{52} = \frac{7}{13}$
4.  $\frac{1}{8}$

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

6.  $\frac{1}{36}$

