

Class 10 Mathematics - Probability

Name: _____

Date: _____

Advanced Worksheet 1

Questions

1. Two dice are thrown simultaneously. Find the probability that the sum is 8.
2. Two dice are thrown simultaneously. Find the probability that the sum is 10.
3. Two dice are thrown simultaneously. Find the probability that the sum is greater than 9.
4. A card is drawn from a well-shuffled deck of 52 cards. Find the probability of drawing a red face card.
5. A card is drawn from a well-shuffled deck of 52 cards. Find the probability of drawing a queen.
6. A die is thrown twice. Find the probability that 5 appears at least once.

Answer Key

1. $5/36$
2. $3/36 = 1/12$
3. $6/36 = 1/6$
4. $6/52 = 3/26$

5. $4/52 = 1/13$

6. $11/36$

