

Class X
Mathematics
Probability - Module 1 / 2
Worksheet

1. If the probability of winning a game is $\frac{5}{11}$, what is the probability of losing it?
2. Justify the statement:
"Tossing a coin is a fair way of deciding which team should get the batting first in a cricket game."
3. Two coins are tossed simultaneously. Find the probability of getting exactly one head.
4. A die is thrown once. What is the probability of getting a prime number?
5. From a well shuffled pack of cards, a card is drawn at random. Find the probability of getting a black queen.
6. The probability of getting a bad egg in a lot of 800 eggs is 0.125. Find the number of bad eggs in the lot.
7. The probability of getting a bad pen in a lot of 400 pens is 0.25. Find the number of bad pens in the lot.
8. Archana calculates that probability of her winning the first prize in a lottery is 0.04. If 1000 tickets are sold, how many tickets has she bought?
9. A card is drawn at random from a well shuffled pack of 52 playing cards. Find the probability of getting a red face card.
10. A die is thrown once. What is the probability of getting a number greater than 4?
11. An unbiased die is thrown once. What is the probability of getting a multiple of 3?
12. Two unbiased coins are tossed simultaneously. Find the probability of getting two heads.
13. A die is thrown once. Find the probability of getting a number lying between 2 and 6.
14. A bag contains 5 black, 7 red and 3 white balls. A ball is drawn from the bag at random. Find the probability that ball drawn is red?
15. A bag contains lemon flavoured candies only. Rama takes out one candy without looking into the bag. What is the probability that she takes out an orange flavoured candy?
16. One card is drawn from a pack of 52 cards, each of the 52 cards being equally likely to be drawn. Find the probability that the card drawn is an ace.
17. A bag contains 3 red balls, 5 black balls and 4 white balls. A ball is drawn at random. Find the probability that the ball is white?
18. A letter is chosen at random from the letters of the word 'ASSASSINATION'. Find the probability that the letter chosen is a vowel?
19. One card is drawn from a well-shuffled deck of 52 cards. Find the probability of getting a card of hearts.