

Practice Work Sheet

CLASS 10 || MATHEMATICS || PROBABILITY

1. A box contains thoroughly mixed cards, marked with numbers 5 to 50. A card is drawn from the box randomly. Find the probability that the number on the taken card is a prime number less than 10.
2. A bag contains 5 black, 4 white and 3 green balls. A ball is taken out of the bag at random. Find the probability that the selected ball is not of green colour.
3. A card is drawn at random from a well-shuffled deck of standard playing cards. Find the probability of drawing a card which is neither a king nor a red card.
4. A box contains 15 cards, numbered 1, 2, 3, ..., 15 and mixed thoroughly. A card is drawn at random from the box. Find the probability that the card drawn bears a number divisible by 2 or 3.
5. A card is drawn at random from a pack of 52 playing cards. Find the probability that the card drawn is neither a king nor a Queen.
6. What is the probability of getting 53 Sundays in a leap year.
7. Three cards of Hearts are lost from a pack of 52 playing cards. The remaining cards were well shuffled and then a card was drawn at random from them. Find the probability that the drawn card is of black colour.
8. The Ace, King, Queen and Jack of Spade are removed from a pack of 52 cards and then the pack is well shuffled. A card is drawn from the remaining cards. Find the probability of getting a Jack.
9. Two dices are tossed together. Find the probability that the sum of numbers appearing on two dice is 5.
10. Two different dice are tossed together. Find the probability that the number on each dice is odd.
11. Two different dice are tossed together. Find the probability that the number on one dice is odd and other dice is even (i.e. Both dice can't odd or both dice can't be even).

Answer											
Q No	1	2	3	4	5	6	7	8	9	10	11
Ans	1/23	3/4	6/13	2/3	11/13	2/7	26/49	1/16	1/9	1/4	1/2