

Assignment
Chapter-15
TOPIC: PROBABILITY

1. Two dice are thrown together. Find the probability that the product of the numbers on the top of the dice is a) 6 b) 12 c) 7
2. Two different dice are thrown at the same time. Find the probability that the sum of the two numbers appearing On the top of the dice is 7.
3. A pair of dice is tossed once, find the probability of getting
 - a) a total of 2
 - b) a total of 5
 - c) an even number as the sum
 - d) same number on each dice
4. A die is thrown once. Find the probability of getting the following:
 - a) a prime number
 - b) a number lying between 2 and 5
5. A card is drawn at random from a well shuffled pack of playing cards. Find the probability of getting a red face card
6. One card is drwn from a well shuffled deck of 52 playing cards. Find the number of probability of getting
 - a) A face card
 - b) A black queen or a red king
 - c) a king of red colour
 - d) the jack of hearts
 - e) a spade.
 - f) either a king or a queen
 - g) neither a king nor a queen
7. From a pack of 52 playing cards, Jacks, Queens, Kings and Aces of red colour are removed. From the remaining,

A card is drawn at random. Find the probability that the card drawn is

 - a) A black queen
 - b) A non – face card
 - c) A black jack
 - d) a Black King or a Red Queen
8. A bag contains 5 red balls and some blue balls. If the probability of drawing a blue ball from the bag is thrice that of red ball, find the number of blue balls in the bag
9. A bag contains 6 red, 3 black and 6white balls. A ball is selected at random from the bag. Find the probability that the selected ball is
 - a) Red or black
 - b) not black
10. Cards marked with numbers 5,6,7,.....74 are placed in a bag and mixed thoroughly. One card is drawn at random from the bag. Find the probability that the number on the card is a perfect square.

11. Which of the following cannot be the probability of event? a) $1/5$ b) 0.3 c) 4% d) $5/4$
12. A card is drawn from a pack of 52 playing cards. The probability of getting a face card is a) $3/13$ b) $4/13$ c) $1/2$ d) $2/3$
13. The probability of drawing a red queen from a well shuffled deck of 52 cards is a) $1/13$ b) $2/13$ c) $1/26$ d) $1/52$
14. A die is thrown, the probability of getting a number less than 3 and greater than 2 is a) 0 b) 1 c) $1/3$ d) $2/3$
15. A card is drawn from a well – shuffled deck of 52 playing cards. The probability that it is not a face card is a) $12/52$ b) $16/52$ c) $10/13$ d) $9/13$
16. If an event cannot occur then its probability of occurring is a) 1 b) $2/3$ c) $1/2$ d) 0
17. The probability of getting a perfect square number from the numbers 1 to 10 is a) $3/10$ b) $1/2$ c) $2/5$ d) $1/5$
18. The probability of throwing a number less than 6 with a fair die is a) $5/6$ b) 1 c) $1/6$ d) $2/3$