



ARMY PUBLIC SCHOOL
CLASS X
Ch.15 (Probability)

Q1 Fill In the blanks :

- a Probability of sure event is
- b Probability of any event cannot be and
- c The probability of an event lies betweenand
- d A die is thrown once, then probability of getting a prime number is

Q 2 A number is selected at random from the numbers 3,5,5,7,7,7,9,9,9,9. Find the probability that the selected number is their average.

Q3 Find the probability of getting 53 Sundays in the year 2020.

Q4 A box contains 19 balls bearing number 1 to19. A ball is drawn at random from the box. What is the probability that the number on the ball is:

- A A prime number
- b Divisible by 3 or 5
- C neither divisible by 5 nor by 10.

Q5 From a pack of 52 playing cards, jacks, queens, kings, and aces of red colours are removed. From the remaining cards, a card is drawn at random. Find the probability that the card drawn is

- i a black queen
- ii a red card
- iii a black jack
- iv a pictured card/ Face card
- v a red face card
- vi a card of Hearts
- vii neither a face card nor a Red card

Q 6 Two dice are rolled once. Find the probability of getting such numbers on two dice Whose product is a perfect square.

Q7 Two dice are thrown simultaneously . What is the probability that:

- i Sum of both the number is greater than 7.
- ii doublets
- iii Sum less than 13
- iv product of both number is 6.

Q8 Three unbiased coins are tossed. What is the probability of getting

- i two heads
- ii at least two heads

- iii at most two heads
- iv one head or two heads

Q9 The probability of getting the correct answer to a certain text is $P/12$. If the probability of not getting the correct answer is $1/3$, then find the value of P .

Q10 A selection committee interviewed some people for the two posts of sales manager. The committee wanted that the females candidate should be given better chance. So, they called male and female candidate in such a manner that probability of selection of female candidates is $5/8$. If 6 male candidates were interviewed, how many females candidates were interviewed?