

ONLINE MATHS CLASS - X - 28 (27 / 08 /2021)

3 . MATHEMATICS OF CHANCE - CLASS - 1- WORKSHEET

Important point

➤ Probability is a number that denotes what part of the total results is the number of favourable results .

➤
$$\text{Probability} = \frac{\text{Number of favourable results}}{\text{Number of total results}}$$

1) There are 10 black and 20 white beads in a box. If a bead is taken from it ,

a) What is the probability of it being black ?

b) What is the probability of it being white ?

c) If 5 more black beads are added to the box and one bead is taken , What is the probability of it being white ?

2) A dice with faces numbered from 1 to 6 is rolled .

a) What is the probability of getting an even number ?

b) What is the probability of getting an odd number ?

c) What is the probability of getting a prime number ?

d) What is the probability of getting a perfect square ?

3) One is asked to say a two digit number .

a) How many two digit numbers are there ?

b) What is the probability of the digits being the same ?

c) What is the probability of getting the sum of the digits being 4 ?

d) What is the probability of the sum and product of the digits being the same ?

4) Numbers 1 to 25 are written on slips of paper and put in a box . A slip is to be drawn from it ,

- a) What is the probability of getting an even number ?
- b) What is the probability of getting an odd number ?
- c) What is the probability of getting a prime number ?
- d) What is the probability of getting a number which is both prime and even ?

5) One is asked to say a three digit number .

- a) How many three digit numbers are there ?
- b) What is the probability of the digits being the same ?
- c) What is the probability of getting the product of the digits being 2 ?
- d) What is the probability of getting the product of the digits being prime ?