## 3 . MATHEMATICS OF CHANCE - CLASS - 2- WORKSHEET

**Important point :**

➤ The probability of something we have to find is how much part of the total number of results to the number of results favourable to it .

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

1) A coin is tossed .

a ) What is the the probability of getting a head ?

b ) What is the the probability of not getting a head ?

2) Each letter of the word " ATTITUDE " is written on paper slips and put in a box .
A slip is to be drawn from it , without looking .

a ) What is the probability of getting the letter T ?

b ) What is the probability of not getting the letter Ts ?

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

a ) How many two digit numbers are there ?

b ) What is the smallest possible product of the digits ?

c ) What is the largest possible product of the digits ?

d) What is the probability of the product of the digits being 3 ?

e) What is the probability of the product of the digits being a prime ?

5) There are 30 black and some white beads in a box . A bead is taken from this without looking . The probability of getting a back bead is $\dfrac{1}{4}$ .

a) How many beads are there in the box ?

b) What is the probability of not getting a white bead ?

c) How many white beads are there in the box ?

d) If  20  more black beads are put in the box ,what is the probability of getting a white

   bead  ?

5)  There are   80  red and some blue balls in a bag .   A ball is taken without looking .

   The probability of getting a blue ball is     $\dfrac{3}{7}$   .

a) What is the probability of getting a red ball  ?

b) How many balls are there in the bag   ?

c) How many blue balls are there in the bag ?

d)  If  20  red balls  are taken out from the bag   ,  what  is the probability of getting

    a blue ball   ?