

CHAPTER 15

Probability

The branch of mathematics, which deals with the estimation of chance, is called the probability.

Ex.

In our day-to-day life, we generally used the words probably (or) most probably (or) chance(s) or etc.

Probability is the study of chance or likelihood of happening of an event.

- Why is a coin tossed before a game of cricket?

In cricket, a coin is tossed to determine, which team will bat on bowl first. It is equally likely that a team may bat (or) bowl first.

Since there are two possible outcomes when a coin is tossed.

Means probability of getting either a head (or) tail is 50 % (or) $\frac{1}{2}$.

This can be used almost everywhere, like in the fields medical science, commerce etc.

Terms of Probability:

Experiment:

An operation which can be produce some well-defined outcomes is called an experiment. It is also called “Trial”.

