

CHAPTER 15

Probability

Out-come:

A possible result of a random experiment is called its out-come.

Example:

When a fair coin is tossed, getting a "tail" or "head".

Sample Space:

The set of all possible outcomes in a random experiment is called a "sample space" and it is generally denoted by "S".

$\therefore$ Sample Space (S) = {All possible outcomes}

Example:

On tossing a fair coin, there are two possible outcomes namely head (H) and tail (T).

$\therefore$ Sample Space (S) = {H, T}