

Mathematics  
class - VII , Ch-03 . Data-Handling

Ex-3.4

What is probability?

We know that when a coin is thrown, it has two possible outcomes, Head or Tail and for a die we have six possible outcomes. We also know from experience that for a coin, Head or Tail is equally likely to be obtained. We say that the probability of getting Head or Tail is equal and is  $\frac{1}{2}$  for each.

Q.1. Sol. "Probability"

- (i) Certain to happen.
- (ii) Can happen but not certain.
- (iii) Impossible.
- (iv) Can happen but not certain.
- (v) Can happen but not certain.

Q.2. Sol.  $\rightarrow$

Likely possible outcomes

$$= \underline{1, 2, 3, 4, 5, 6.}$$

(i) Probability of drawing a marble with number 2 =  $\frac{1}{6}$ .

(ii) Probability of drawing a marble with number 5 =  $\frac{1}{6}$ .

Q.3. Sol. ✓

Likely possible outcomes = Head,  
Tail.

Required probability

$$= \frac{\text{Number of favourable case}}{\text{Total number of case}} \quad \checkmark$$

$$= \frac{1}{2} \quad \text{Ans.} \quad \checkmark$$

The End. ✓