

Q1 Tell wheather the following is certain to happen, impossible, can happen but not certain

(i) You are older today than yesterday

Ans- Certain to happen.

(ii) A tossed coin will land heads up

Ans IT can happen but not ~~happen~~ certain

(iii) A dice when tossed shall land up with 8 on top

Ans Impossible

(iv) The next traffic light seen will be green

Ans It can happen but not certain

(v) Tomorrow will be a cloudy day.

Ans It can happen but not certain

Q2. There are 6 marbles in a box with numbers from 1 to 6 marked on each of them

(i) What is the probability of drawing a marble with number 2?

Sol. Total number of Marbles = 6

∴ Total number of possible outcomes = 6

Let E_1 be event of getting 2

$$P(E_1) = \frac{1}{6}$$

(ii) What is the probability of drawing a marble with number 5

Sol. Let E_2 be event of getting of 5

$$P(E_2) = \frac{1}{6}$$



Q3. A coin is flipped to decide which team starts the game. What is the probability that your team will start?

Sol. Total number of possible outcomes = 2
Required probability = $\frac{1}{2}$ An.