

## **Access answers to Maths NCERT Solutions for Class 7**

### **Chapter 3 – Data Handling Exercise 3.4**

**1. Tell whether the following is certain to happen, impossible, can happen but not certain.**

**(i) You are older today than yesterday.**

**Solution:-**

It is certain to happen.

**(ii) A tossed coin will land heads up.**

**Solution:-**

It can happen but not certain.

**(iii) A die when tossed shall land up with 8 on top.**

**Solution:-**

It is impossible. Because, there are only six faces on a die is marked as 1, 2, 3, 4, 5, and 6 on it.

**(iv) The next traffic light seen will be green.**

**Solution:-**

It can happen but not certain.

**(v) Tomorrow will be a cloudy day.**

**Solution:-**

It can happen but not certain.

**2. 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?**

**Solution:-**

From the question, it is given that

There are 6 marbles in the box with numbers from 1 to 6 are marked.

Probability of drawing a marble with number 2 =  $\frac{\text{Number of favourable outcomes}}{\text{Number of possible outcomes}}$

=  $\frac{1}{6}$

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

**Solution:-**

From the question, it is given that

There are 6 marbles in the box with numbers from 1 to 6 are marked.

Probability of drawing a marble with number 5 =  $\frac{\text{Number of favourable outcomes}}{\text{Number of possible outcomes}}$

=  $\frac{1}{6}$

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

**Solution:-**

A coin has two faces one is Head and other one is Tail.

Now, one team can choose either Head or Tail.

Probability of our team starts first=  $\frac{\text{Number of favourable outcomes}}{\text{Number of possible outcomes}}$

$$= \frac{1}{2}$$