

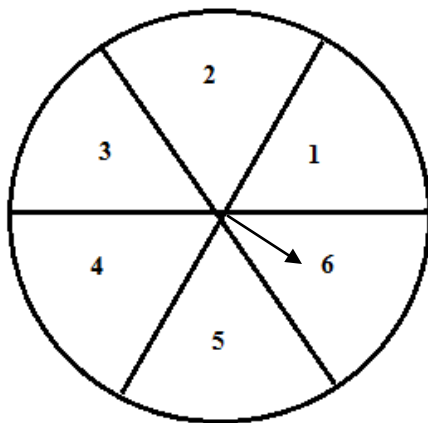
SUBJECT: MATHEMATICS

CLASS: X

CHAPTER 15: PROBABILITY

Curiosity Question:

In the given figure, there is a disc on which a player spins an arrow twice. The fraction $\frac{a}{b}$ is formed, where 'a' is the number of sector on which arrow stops on the first spin and 'b' is the number of the sector in which the arrow stops on second spin. On each spin, each sector has equal chance of selection by the arrow. How will you get the probability that the fraction $\frac{a}{b} > 1$?



Answer Guide:

- What are equally likely outcomes?
- What are face cards?
- Give example for sure event and impossible event

Experiential Learning

A group consists of 12 persons. Of them, 3 are extremely patient, 6 are extremely honest and the rest are extremely kind. A person from the group is selected at random. Assuming that each person is equally likely to be selected, students are asked to find the probability of a person being,

- i) Extremely patient
- ii) Extremely kind or honest

The students will be performing the above activity in class and relate probability to real life situations.

Probability of Playing Cards:

This video clearly explains the concept of probability of Playing cards in detail. The concept of decks and suits, Spade, Diamond, Heart and Club etc are explained in detail

<https://www.youtube.com/watch?v=JytN3yHspis>

Probability – Rolling 2 dice:

The students will be able to understand the concept of probability by rolling 2 dice. The demonstration can be viewed through the below link.

<https://www.youtube.com/watch?v=jNXpOyx0Iv8>