1 Student = One Example of Binomial   
  
Condition = Should not get match with other student

1. Suraj Bawane

Question: If from six to seven in the evening one telephone line in every five is engaged in a conversation: what is the probability that when 10 telephone numbers are chosen at random, only two are in use?

1. Chetan Phartale

In the old days, there was a probability of 0.8 of success in any attempt to make a telephone call. (This often depended on the importance of the person making the call, or the operator's curiosity!)

Calculate the probability of having 7 successes in 10 attempts.

1. Vidya Kothavale

Que - A box of candies has many different colors in it.There is a 15% chance of getting a pink candy . what is the probability that exactly 4 candies in a box are pink out of 10?

1. Nihal Shukla

The probability that a person can achieve a target is 3/4. The count of tries is 5. What is the probability that he will attain the target at least thrice?

1. Akash Todkar

A pharmaceutical lab states that a drug causes negative side effects in 3 of every 100 patients. To confirm this affirmation, another laboratory chooses 5 people at random who have consumed the drug. What is the probability of the following events?

**1.**None of the five patients experience side effects.

**2.**At least two experience side effects.

1. Dighe Shubhangi Que-A box of candies has many different colors in it.There is a 15% chance of getting a pink candy.What is the probability that exactly 4 candies in a box are pink out of 10?

7) Arjun Walunj

Q.Your basketball team is playing a series of 5 games against your opponent. The winner is those who wins more games (out of 5).Let assume that your team is much more skilled and has 75% chances of winning. It means there is a 25% chance of losing.

What is the probability of your team get 3 wins?

1. **Dhage Dipak**

Que :- Let’s say that 80% of all business startups in the IT industry report that they generate a profit in their first year. If a sample of 10 new IT business startups is selected, find the probability that exactly seven will generate a profit in their first year.

First, do we satisfy the conditions of the binomial distribution?

* There are only two possible mutually exclusive outcomes – to generate a profit in the first year or not (yes or no).
* There are a fixed number of trails (startups) – 10.
* The IT startups are independent and it is reasonable to assume that this is true.
* The probability of success for each startup is 0.8

1. Sable Digambar

If X is binomially distributed with 6 trials and a probability of success equal to 1 /4 at each attempt, what is the probability of:

(a) exactly 4 successes

(b) at least one success?

1. Sayali Gule.

There are 10 balls in a bowl , 3 of the balls are red and 7 of them are blue. If drawing a red ball is defined as success and sampling is with replacement, find the probability of getting 5 red balls in 20 trials.