



* n : Sample size or number of repeating the experiment

(n given in the question)

X : Number of successes , ما تهتم به الدراسة

$$X = 0, 1, 2, 3, 4, \dots, n$$

- The parameter of Binomial distribution is n, p
- $X \sim \text{Bin}(n, p)$
- The mean is $\mu = n \times p$
- The variance is $\sigma^2 = n \times p \times q$
- The standard deviation is $\sigma = \sqrt{n \times p \times q}$