Problem​ ​Statement​ ​1:

A die marked A to E is rolled 50 times. Find the probability of getting a “D” exactly 5

times.

Problem Solution:

Solution:

Here, n = 50, k = 5, n - k = 45.

The probability of success = probability of getting a “D”= s = 1/5

Hence, the probability of failure = probability of not getting a “D” = 1 - s = 4/5