Q4) Two Dice are rolled, find the probability that sum is

1. Equal to 1
2. Less than or equal to 4
3. Sum is divisible by 2 and 3

ANS: Number of possible outcomes for the above event is

N (Event (Two dice rolled)) = 6^2 = 36

1. P (sum is Equal to 1) = ‘0’ zero null nada none.
2. P (Sum is less than or equal to 4) = N (Event (Sum is less than or equal to

4)) / N (Event (Two dice rolled))

= 6 / 36 = 1/6 = 0.166 = 16.66%

1. P (Sum is divisible by 2 and 3) = N (Event (Sum is divisible by 2 and 3)) / N

(Event (Two dice rolled))

= 6 / 36 = 1/6 = 0.16 = 16.66%