

Problems

- 1) Define the sample space/event of the following
 - a) sample space of Tossing two dice
 - b) Event of getting same number
 - c) Event of getting the summation as 5
 - d) Event of getting at least one odd number
 - e) Event of getting at least one even number

- 2) There are 6 beads in a bag, 3 are red, 2 are yellow and 1 is blue. What is the probability of picking a yellow?

- 3) There is a bag full of colored balls, red, blue, green and orange. Balls are picked out and replaced. John did this 1000 times and obtained the following results:
 - Number of blue balls picked out: 300
 - Number of red balls: 200
 - Number of green balls: 450
 - Number of orange balls: 50
 - a) What is the probability of picking a green ball?
 - b) If there are 100 balls in the bag, how many of them are likely to be green?

- 4) if you throw two dice, what is the probability that you will get:
 - a) 8 as the summation of two numbers appeared.
 - b) 6 as the summation of two numbers appeared.
 - c) the same number