DTP-Math-Circle: Session 2—Probability

Sept 16 2022

1 Tossing coins and dice

If you toss a coin four times in succession, what is the probability that you get an even number of heads?

If you do this hundred times in a row, can you generalize and see what is the probability that you get an even number of heads?

In five dice throws what is the probability of rolling the same number (i) at least three times (ii) exactly three times?

A magician holds one die in his left hand and two dice in his right. What is the probability that the number on the die in his left hand is greater than the sum of the dice in his right?