

Homework – PreIB 4.AB 4

Bernoulli and Binomial Distribution

Ád'a Klepáčů

June 4, 2024

You are to always formalize the problem, solve it and (at least briefly) explain your reasoning.

Problem 1.

A box of candies has many different colors in it. There is a 15% chance of getting a pink candy. What is the probability that exactly 4 candies in a box are pink out of 10?

Problem 2.

A fair, six-sided die is rolled ten times. Each roll is independent. Find the probability of rolling a 1 more than three times.