Assignment 4

Due on 06/08/20, 08:00 AM

Week 2: Module 3 (Cont.)

A. In a numerical system that is based on powers of 2, how is the number 10 represented in binary?

B. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing 2 specific candies from the bowl?

C. A regular bowl contains candies of different colors. The probability of drawing a red candy is 0.3. What is the probability of drawing a non-red candy?

D. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing a red candy and a non-red candy in that order?

E. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing 2 red candies?

F. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing a non-red candy?

G. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing 2 non-red candies?

H. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing at least one red candy?

I. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing exactly one red candy?

J. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing no red candies?

K. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing exactly two non-red candies?

L. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing at least two red candies?

M. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing at least one non-red candy?

N. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing at most one red candy?

O. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing at most two red candies?

P. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing no non-red candies?

Q. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing exactly two non-red candies?

R. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing at least two non-red candies?

S. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing exactly one non-red candy?

T. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing no non-red candies?

U. A regular bowl contains 5 candies. A player draws 2 candies. What is the probability of drawing at least one non-red candy?