

Name _____

Date _____

Probability Distribution - Independent Practice Worksheet

Complete all the problems.

1. Deni shuffles the playing cards and a heart comes out of the deck 1 out of 13 draws and X is the random variable "the sum of the numbers that turn up". Find the probability distribution of X .

2. Charlie shuffles the playing cards and a queen come out of the deck only once out of 4 times. X is the random variable "the sum of the numbers that turn up". Find the probability distribution of X .

3. In a box of 15 chocolates. 3 are dark chocolate the rest are milk chocolate. You will be randomly selecting 4 chocolates from the box. Let X be the number of dark chocolates. Find the probability distribution of X .



4. In a box of 25 paintings, 3 are defective. You randomly select 5 paintings. Let X be the number of defective paintings. Find the probability distribution of X .

5. In a bag of 17 cell phones. 3 are defective cell phones. 7 cell phones will be randomly selected from the bag. Let X be the number of defective cell phone and the selected cell phone. Find the probability distribution of X .

6. In a bag of 21 shirts, 3 are defective. 5 shirts will be randomly selected. Let X be the number of defective shirts and the selected shirts. Find the probability distribution of X .

