7.SP.7a How Many Buttons?

Task

Look at the shirt you are wearing today, and determine how many buttons it has. Then complete the following table for all the members of your class.

	No Buttons	One or Two Buttons	Three or Four Buttons	More Than Four Buttons
Male				
Female				

Suppose each student writes his or her name on an index card, and one card is selected randomly.

a. What is the probability that the student whose card is selected is wearing a shirt with no buttons?

b. What is the probability that the student whose card is selected is female and is wearing a shirt with two or fewer buttons?