In-Class Probability 2

1. How could you define an event in your sampling scheme? Explain your reasoning.
2. What is the *sample space* of your bird sampling scheme?
3. You observed two presences and 4 absences in your daily survey. One possible spatial arrangement of these presences/absences is:
4. Given that the probability of observing a brown creeper presence in a given forest plot is about 50%, do you think that observing *exactly 2 presences* is an unusual event? Explain your reasoning. HINT: The coins might help with this question.
5. Consider the scenario in which you pick up two acorns at the same time in one hand without looking.

Enumerate the events in this sample space.

Are these events *combinations*, or *permutations*?

Make sure you explain your reasoning.

1. Consider the scenario in which you pick up one acorn, place it in your left pocket, walk a short distance, then pick up a second acorn and place it in your right pocket.

Enumerate the possible events in this sample space.

Are these events *combinations*, or *permutations*?

Make sure you explain your reasoning.