Probability

-Order doesn't matter
-Population= 12

P=Permutations
C=Combinations

Permutation:

In mathematics, the notion of **permutation** relates to the act of **permuting** (rearranging) objects or values. Informally, a permutation of a set of objects is an arrangement of those objects into a particular order. For example, there are six permutations of the set {1,2,3}, namely (1,2,3), (1,3,2), (2,1,3), (2,3,1), (3,1,2), and (3,2,1). As another example, an anagram of a word is a permutation of its letters. The study of permutations in this sense generally belongs to the field of combinatorics.