1. Explain the difference between a combination and a permutation.

2. Make up a combination problem that has the answer 792.

[1] A combination is a counting of the number of ways a selection can be made. The order of the selection does not affect the counting. A permutation is a counting of the number of arrangements of a selection can be made. The order of the selection is important.

[2] Answers may vary. Sample: There are 12 members of the tennis team. In how many different ways can 5 be selected for a special tournament?