1. There are 12 players on the team and after the game they go over to the ice chest to get some drinks. There are only 3 drinks in the chest, 1 Coke, 1 Sprite, and 1 Root Beer. How many ways can these three drinks be given to the 12 players?

2. You are playing cards with a friend. You are dealt 7 cards. How many different ways can you arrange these cards in your hand?

3. There are 12 boys and 14 girls in a class.
a) How many way scan a team of 3 students be selected to work in a group on a project?

b) If each person were assigned a different job on the team, how many different ways can the team be selected?

4. Amani has 10 quarters in her purse. She buys a pack of gum for $1.25. How many ways can she reach into her purse and randomly get enough money to buy the gum?

5. There are 7 bells in a bell tower and each rings a different tone. If 5 bells are randomly rung how many different "songs" can be produced?

6. A test consists of 10 multiple choice questions. Each question has 4 choices: A, B, C, and D. How many different ways can the 10 questions be answered?

7. On a test the first part has 8 questions. The directions state that you are to choose to do only 3 of these questions and they all have the same value. How many ways can you choose to complete this part?

8. On an hour long radio show starting at 4:00pm there are 6 commercial breaks:
#1: 4:00 to 4:01   #2: 4:10 to 4:11   #3 4:20 to 4:21
#4 4:30 to 4:31   #5 4:40 to 4:41   #6 4:50 to 4:51
There are 6 different commercials to play, each 1 minute long. The results of a survey show that the number of listeners differs depending on the time slot. How many different ways can you schedule these commercials?