

- IV. Use a formula to calculate the probability of tossing a coin 3 times and getting exactly 3 heads. What is the probability of a head coming up on the fourth toss?
- V. Four customers have three bank branches and you will visit the manager and assistant manager at each branch. How many managers and assistant managers will you visit?
- VI. A salesperson must visit 4 of 6 stores and order is important. That is, AB and BA represent different routes. How many routes are available to the salesperson?
- VII. Redo problem VI assuming order does not count. AB and BA are the same and count as one route. Be sure to use a formula and show all work.
- VIII. How many different 3-person subcommittees can be chosen from an 8-person committee?
- IX. Three of 8 committee members must be chosen to give a speech. All 8 have very different personalities and order is important. How many different speaker arrangements are possible?