

- 1) From a list of 5 books how many groups of 3 books can be selected?

- 2) From a group of 2 men and 3 women find the following:
 - a) How many committees of 1 man and 2 women can be formed?

 - b) How many committees of any 3 people can be formed?

- 3) A bag contains 2 red, 4 white, and 5 blue marbles.
 - a) How many ways can 1 red, 2 white and 3 blue marbles be chosen?

 - b) If each marble was a different color how many ways could 2 marbles be chosen?

- 4) A standard poker hand has five cards dealt from a deck of 52 cards. How many different poker hands are possible?
 - a) If we were playing 7-card poker then how many different 7 card hands are possible?

- 5) How many different 5-card full-houses (3 and a 2 of-a-kind) can you obtain from a standard deck?

- 6) How many ways can you display 8 different books on a shelf with 5 open spots?
 - a) How many ways can you choose 5 books from a group of 8 different books?