1.) How many permutations are there of the letters in the following words?

   a.) DACTYLION

   b.) WELTER

   c.) AVATAR

2.) How many ways can a President, Vice-President, Secretary, Treasurer, and Historian be selected from a group of 15 people?

3.) How many subsets does each of the following sets have?

   a.) \{1, 2, 3\}

   b.) \{1, 2, 3, ..., 20\}