

10.- A gate has a key pad with digits 0 to 9. How many possible code combinations are there if the code is 4 digits long?

11.- How many ways can 7 friends can line up to buy ice cream?

12.- how many four letter words can be made by using the following nine letter:
wonderful

a) If repetition is allowed:

b) If repetition is not allowed:

13.- How many ways 5 students can be chosen from 12 students?

14.- There are 10 people at a party who shakes hands with each other. If each two of them shake hands with each other, how many handshakes happen at the party?

13.- How many different 5 card hands can be dealt from a deck of 52 cards. The order of the cards does not matter.

14.- Probability that all cards are hearts?

15.- Determine the probability of selecting 2 Queens and 2 Kings?