Questions

Q1. In how many different ways can the letters of the word 'DIRECTOR' be arranged so that the vowels are always together?

Q2. Out of 5 women and 4 men, a committee of three members is to be formed in such a way that at least one member is a woman. In how many different ways can it be done?

Q3. There are 6 teachers. Out of them two are primary teachers, two are middle teachers and two are secondary teachers. They are to stand in a row, so as the primary teachers, middle teachers and secondary teachers are always in a set. The number of ways in which they can do so is?
(HINT - Chain Method)

Q4. In how many ways can a cricket eleven be chosen out of 14 players?

Answers

Ans 1) 2160
Ans 2) 80
Ans 3) 48
Ans 4) 364