A combination

AB AC BC BA CA CB

Multiplying

0!

The formula for calculating the number of outcomes for a combination is as follows:

There is a relation between

The Binomial Theorem

$${}_{15}C_{8}$$

$${}_{18}C_{5}$$

$${}_{20}C_{3}$$

$_{23}C_{20}$

There are 30 applicants for two Software Tester positions.

A group of 45 people are going to run a race. The top 7 finishers advance to the finals.

A group of 14 people need to take an elevator to the top floor. They will go in groups of seven. They are deciding who will take the elevator on its second trip.