

Permutations and Combinations

1. $5! - 4! = \dots\dots\dots$
2. $\frac{5!}{4!} = \dots\dots\dots$
3. Find the number of four letters word with or without meaning, which can be formed out of the letters of the word ROSE without repetition.
 $\dots\dots\dots$
4. How many two digit even numbers can be formed from the digits 1,2,3,4 & 5 if the digits can be repeated?
5. How many two digit even numbers can be formed from the digits 1,2,3,4 & 5 if the digits cannot be repeated?
6. Is $3! + 4! = 7!$ $\dots\dots\dots$ (yes/no)