Sum of all the numbers formed formula :

Actually there is the direct formula for this kind of problems. Of course it's better to understand the concept, then to memorize the formula but in case someone is interested here it is:  
  
1. Sum of all the numbers which can be formed by using the n digits **without repetition** is: **(n-1)!\*(sum of the digits)\*(111…..n times)**.  
  
2. Sum of all the numbers which can be formed by using the n digits (**repetition being allowed**) is: n^(n-1)**\*(sum of the digits)\*(111…..n times)**.

n - number of digits