**Find Number of Numbers**

Submissions: [1272](https://practice.geeksforgeeks.org/problem_submissions.php?pid=700418)  Accuracy:

56.62%

   Difficulty: [Basic](https://practice.geeksforgeeks.org/Basic/1/0/)   Marks: 1

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Given an array A[]  of n elements. Your task is to complete the Function **num**which returns an integer denotingthe total number of times digit k appears in the whole array.

For Example:  
  
A[]={11,12,13,14,15}, k=1  
  
Output=6 //Count of the digit 1 in the array

**Input:**  
The first line of input contains an integer T denoting the no of test cases. Then T test cases follow. The first line of each test case contain an integer n denoting the size of the array A[]. Then in the second line are n space separated values of the array A[] .In the third line of each test case contains an integer k, which is the digit to be counted.

**Output:**  
For each test case in a new line print the number of elements counted.

**Constraints:**  
1<=T<=100  
1<=n<=20  
1<=A[]<=1000

**Example(To be used for expected output):  
Input:**  
2  
5  
11 12 13 14 15   
1  
4  
0 10 20 30  
0

**Output:**  
6  
4

\*\* For More Input/Output Examples Use ['Expected Output'](https://practice.geeksforgeeks.org/problems/find-number-of-numbers/1#ExpectOP) option \*\*

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<https://practice.geeksforgeeks.org/problems/find-number-of-numbers/1>

#include <iostream>

#include <stdio.h>

#include <limits>

using namespace std;

int contar(int n, int k) {

int cont = 0;

while(n>0) {

if(n % 10 == k) cont++;

n /= 10;

}

return cont;

}

int num(int a[], int n, int k)

{

//add code here.

int c = 0;

for(int i =0; i<n; i++) {

c += contar(a[i]);

}

return c;

}

int main() {

return 0;

}