**Number of factors**

[ad-hoc](http://practice.geeksforgeeks.org/tag-page.php?tag=ad-hoc&isCmp=0)

Find number of factors for a given integer N.

**Input:**  
First line contains an integer, the number of test cases 'T' Each test case should contain a positive integer N.

**Output:**  
In each seperate line print the number of factors.

**Constraints:**  
1<= T <=30  
1<= N <=100

**Example:**  
Input:  
1  
5

Output:  
2

\*\*For More Examples Use Expected Output\*\*

<http://practice.geeksforgeeks.org/problem-page.php?level=-1&pid=201>

#include <iostream>

#include <stdio.h>

using namespace std;

int main() {

int t;

scanf("%d", &t);

while(t--) {

int n;

scanf("%d", &n);

int factors = 0;

for(int i = 1; i <= n; i++) {

if(n % i == 0) {

factors++;

//printf("%d ", i);

}

}

printf("%d\n", factors);

}

return 0;

}