**Average**

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

Given a stream of numbers, print average or mean of the stream at every point.

**Input:**

The first line of input contains an integer T denoting the number of test cases.  
The first line of each test case is N,N is the size of array.  
The second line of each test case contains N input C[i].

**Output:**

Print the average of the stream at every point (in integer).

**Constraints:**

1 ≤ T ≤ 20  
1 ≤ N ≤ 50  
1 ≤ C[i] ≤ 100  
  
**Example:**

Input  
2  
5  
10 20 30 40 50  
2  
12 2

Output  
10 15 20 25 30  
12 7

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

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=582>

#include <stdio.h>

#include <iostream>

#include <math.h>

#include <algorithm>

#include <cmath>

using namespace std;

int main() {

int t;

scanf("%d", &t);

while(t--) {

int n ;

scanf("%d", &n);

int arr[n];

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

scanf("%d", &arr[i]);

}

int sum =0;

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

sum += arr[i];

printf("%d ", sum/(i+1));

}

printf("\n");

}

return 0;

}