

# Compute the Average

Given  $N$  integers, compute their average correct to three decimal places.

## Input Format

The first line contains an integer,  $N$ .  
 $N$  lines follow, each containing a single integer.

## Output Format

Display the average of the  $N$  integers, rounded off to three decimal places.

## Input Constraints

$1 \leq N \leq 500$   
 $-10000 \leq x \leq 10000$  ( $x$  refers to elements of the list of integers for which the average is to be computed)

## Sample Input

```
4
1
2
9
8
```

## Sample Output

```
5.000
```

## Explanation

The '4' in the first line indicates that there are four integers whose average is to be computed. The average =  $(1 + 2 + 9 + 8)/4 = 20/4 = 5.000$  (correct to three decimal places) Please include the zeroes even if they are redundant (e.g. 0.000 instead of 0).