

# Solution Sheet 1.0

Problem description: Calculate the average of n numbers  
where n is entered by the user.

Size: small

Serie: 1 2 2 2 5 5 8

Domain: Mathematics

Complexity: Simple

Frequency Table

Xi	Number	Times
X1	1	1
X2	2	3
X3	5	2
X4	8	1

How many numbers are  
you going to enter, "n"

Enter the Xi

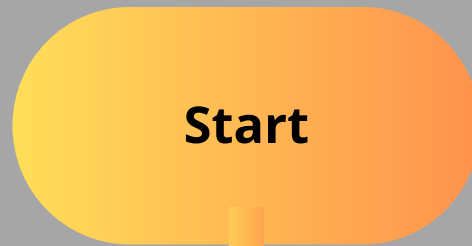
Enter the number of times  
of Xi, "Ti"

Black box

The average is ...  
 $\frac{\sum Xi * Ti}{\sum Ti}$

Variables type: Decimal

Python variables type: Float



**Start**

How many numbers are you  
going to enter, "n"

Enter the Xi

Enter the number of times  
of Xi, "Ti"

The average is ...

$$\frac{\sum X_i * T_i}{\sum T_i} \rightarrow$$

**End**