# Problem 1. Band Members

Orgolt’s Final Revenge is a cool Bulgarian Rock band. They are young and ambitious and they take their music path seriously. So now they are planning their upcoming year and would increase their band with fresh members, consisting of **guitars, drums and microphone**. They want you to help them to calculate their **expenses for** **one year**.

First you will be given **members count** in the band. You have to calculate how many **guitarists and drummers** are there, you know that the **vocalist is always one**. The **guitarists are 1/3 from the members, rounded down** to whole number. The **rest of the band are drummers**.

On the next line you will receive the **guitar price**. You have to calculate the drum and microphone price. The **drum price is with 50% greater than the guitar’s price**. The **microphone price** is the **difference between the total price of drums and the total price of guitars**.

The band have to pay **rent**, too. The price of their **rent for one month is the average price of all of the items** – drums, guitars and microphone.

## Input/Constraints

The input data should be read from the console. It will consist of **exactly 5 lines**:

* On the first line you receive **members count:** an integerin the range **[3; 1,000]**
* On the second line you receive **guitar price:** a floating – point numberin the range **[1.00; 3000.00]**

The **input data will always be valid**. **There is no need to check it explicitly**.

## Output

The output should be printed on the console.

* You should print a single line with text: **"Total cost: {totalCost}lv."**
* **The expenses** must be **rounded to two digits after the decimal point.**

Allowed working **time** / **memory**: **100ms** / **16MB**.

## Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 6  10.00 | Total cost: 270.00lv. | Members of group = 6  Vocalist = 1; Guitarists = 1/3 \* 6 = 2; Drummers = 6 - 1 - 2 = 3  drumPrice = (guitarPrice) + 50% = 15.00  microphonePrice = (3\*15) – (2\*10) = 25.00  Rent per month = (45 + 20 + 25) / 6 = 15.00;  Rent for 1 year = 15 \* 12 = 180.00;  Total expenses = (price of all instruments + rent for 1 year) = (90 + 180.00) = 270lv. |
| **Input** | **Output** | **Comments** |
| 15  200 | Total cost: 9720.00lv. |  |

*...We’re not gonna take it…  
Anymore!...*