**"Programming Basics" Exam**

## Birthday Party

For her daughter's birthday, Lucy has decided to organize a party and to invite all her daughter’s classmates. For this purpose, she decided to rent an entertainment **hall** for children, the rent of which you will receive as an **input** from the console.

Write a program to help Lucy calculate what budget she will need, given the following information about the extras needed for the celebration:

* **Cake – its price is 20% of the hall rent**
* **Drinks – their price is 45% less than the one of the cake**
* **Entertainer – its price is 1/3 of hall rent**

### Input

Read **1 line** from the console:

* **Hall rent – a floating point number in the interval [100.00..10000.00]**

### Output

Print the **needed budget** for organizing the birthday celebration.

### Sample Input and Output

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 2250 | 3697.5 | Hall rent: 2250  Cake price: 2250 \* 20% = 450  Drinks price: 450 – 45% = 247.5  Entertainer price: 1 / 3 от 2250 = 750  Needed budget: 2250 + 450 + 247.5 +750 = 3697.5 |
| 3720 | 6113.2 |  |