***Police station Party!***

You are part of the police station and you have to organize a party for 10th year of the police station creation. You have to calculate the **count of every employee there**. After that you will need to **calculate the sum** that they **collected** and **expenses** for the party! Output sum is **double floated**!

Every **employee \* his cut**:

* Policeman cut is **20$** each;
* Inspector cut is **15$** each;
* Commissar cut is **12$** each;

You need to calculate the **sum for everything**:

* Beer price is **60%** from cake price;
* Decoration price is **20%** from beer price;
* Food price is **50%** from beer price;

***INPUT:***

* **Total people count [int]!**
* **Price for the cake [double]!**

***OUTPUT:***

1. Example:

15

2435.40

You need 4853.34 for the party!

1. Example

45

333.69

Let's go to the party! Money left: 82.25!