# Problem 1 - The Biscuit Factory



*Create a program that will help Anna* ***calculate*** *how many biscuits her factory can make in a month (****30 days****) and the* ***percentage*** *of production compared to another* ***factory's*** *production.*

**First**, you will **receive** the biscuits produced **per day** (**per worker**). After that, you will **receive** the count of workers in your factory. Last, you will receive the **number of biscuits** that the **competing factory produces for 30 days**.

You need to **calculate** the production of your factory within **30 days**. Then you should **calculate how much more** or less biscuits you produce **compared** to the other factory (**in percentage**). There will be no case where the factories will produce **the same number** of biscuits.

Every **third** **day** the workers produce only **75%** of the usual production. Keep in mind that there can be only a **whole biscuit** after making calculations **for each day** – format them to the **lower number**.

In the end, print the number of **biscuits** **produced** for **30** days in the following format:

**"You have produced {countBiscuits} biscuits for the past month."**

Then print the percentage of the difference, **formatted** to the **2nd decimal place**, in the following format:

If your production is **bigger** than the other factory:

**"You produce {percentage} percent more biscuits."**

If not:

**"You produce {percentage} percent less biscuits."**

### Input

* On the **first line**, you will receive the **number of biscuits** a worker produces per day – an integer number in the range [**1…200**].
* On the **second line**, you will receive the **count of the workers** in your factory – an integer number in the range [**1…1000**].
* On the **third line**, you will receive the **number of biscuits** that the competing factory produces for **30** days – an integer number in the range [**1…264**].

**NOTE**: The input will always be in the correct format.

### Output

* Print the **number of biscuits** produced for 30 days in the format described above.
* Print the **percentage** of **the difference formatted** to **the 2nd** decimal place in the format described above.

### Constraints

* The percentage **can be** **over** **100**%.
* There will be no case where the factories will produce **the same number** of biscuits.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 78  8  16000 | You have produced 17160 biscuits for the past month.  You produce 7.25 percent more biscuits. |
| **Comments** | |
| -78 biscuits a day  -8 employees  -17160 biscuit production of Anna's factory (keep in mind every **third** **day** the workers produce only **75**% of the usual production)  -17160 – 16000 = 1160 - the difference between your and the other factory production  -1160/16000 \* 100 = 7.25% more biscuits | |
|  | |
| 65  12  26000 | You have produced 21450 biscuits for the past month.  You produce 17.50 percent less biscuits. |
| **Comments** | |
| -65 biscuits a day  -12 employees  -21450 biscuit production of Anna's factory  -26000 – 21450 = 4550 - the difference between your and the other factory production  -4550/26000 \* 100 = 17.50% less biscuits | |
|  | |
| 163  16  67020 | You have produced 71720 biscuits for the past month.  You produce 7.01 percent more biscuits. |

### JS Examples

The input will be provided as an array with 3 string parameters.

|  |  |
| --- | --- |
| **Input** | **Output** |
| (["78", "8", "16000"]) | You have produced 17160 biscuits for the past month.  You produce 7.25 percent more biscuits. |
| **Comments** | |
| -78 biscuits a day  -8 employees  -17160 biscuit production of Anna's factory (keep in mind every third day the workers produce only 75% of the usual production)  -17160 – 16000 = 1160 - the difference between your and the other factory production  -1160/16000 \* 100 = 7.25% more biscuits | |
|  | |
| (["65",  "12",  "26000"]) | You have produced 21450 biscuits for the past month.  You produce 17.50 percent less biscuits. |
| Comments | |
| -65 biscuits a day  -12 employees  -21450 biscuit production of Anna's factory  -26000 – 21450 = 4550 - the difference between your and the other factory production  -4550/26000 \* 100 = 17.50% less biscuits | |
|  | |
| (["163",  "16",  "67020"]) | You have produced 71720 biscuits for the past month.  You produce 7.01 percent more biscuits. |