# Problem 1 – Wormtest

The worms are having a contest – a Wormtest. In the Wormtest, every worm is given wormpoints depending on several statistics. Guess who’s going to calculate those statistics... Yup, that’s you!

You will be given input data about a single wormtestant. You must calculate his wormpoints, depending on the given data.

On the **first** line of input you will get the worm’s **length** in **centimeters** (**cm**), which will be an **integer**.

On the **second** line of input you will get the worm’s **width**, in **millimeters** (**mm**), which will be a **floating-point** **number**.

You should **convert** the **length** in **millimeters** (**multiply** it by **100**). Then you should **divide** the **length** and the **width** and find the **remainder** of the **division**.

If it is **zero** or **cannot be calculated**, you should **print** the **product** of **the length** and **the width** (**length** \* **width**), **rounded** to the **second digit** after the **decimal point**.

If the **remainder** is **NOT zero**, you should print what **percentage** is **the length** of **the width**.   
Print it **rounded** to the **second** **digit** after the **decimal point**.

**Example**: length = 1cm ; width = 30mm. percentage = 333.33 %.

### Input

* On the **first** input line you will receive the worm’s **length** in **centimeters** (**cm**).
* On the **second** input line you will receive the worm’s **width** in **millimeters** (**mm**).

### Output

* As output you must print the product of the **length** and the **width** or how much **percent** is the **length** of the **width**.
* **Both** output results should be **rounded** and **printed** to the **second digit** after the **decimal point**.

### Constrains

* The worm’s **length** will be a valid **integer** in **range [0, 1000]**.
* The worm’s **width** will be a **floating-point number** in **range [0, 1000.00]**.

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 1000  200 | 20000000.00 | **length = 1000cm. width = 200mm.**  **1000cm \* 100 = 100000mm**.  **100000 % 200 = 0**. The **remainder** is **zero**. So we print the **product** of the two numbers, **rounded** to **the second digit** after the **decimal point**. |
| 40  600 | 666.67% | **40cm \* 100 = 4000mm.**  **4000 % 600 = 400**. The **remainder** is **400**. So we print how much **percent** the **length** is of the **width**, **rounded** to **the second digit** after the **decimal point**.  **4000** is **666.67 percent** of **600**. |