

Problem 1 – Hornet Wings

The hornets are having a cardio contest. Your task is to calculate a contestant's distance travelled, based upon the wing flaps he made. However some hornet contestants are faster and less durable, while others are slower but have more endurance.

You will be given **N** – an **integer** indicating the **wing flaps**, a contestant has chosen to do.

After that, you will receive **M** – a **floating-point number** indicating the **distance**, in **meters**, the hornet travels for **1000 wing flaps**.

Then you will receive **P** – an **integer** indicating the **endurance** of the contestant, or **how many wing flaps** he can make, before **he stops to take a break** and rest. A hornet **rests** for **5 seconds**.

You can assume that a hornet makes **100 wing flaps per second**.

Your task is to **calculate** how much **distance** will the hornet **travel**, after it **flaps** its **wings N times**, and how much **time** it **took him**, to travel it. The **distance** is measured in **meters** and the time – in **seconds**.

Input

- On the first input line you will receive **N** – the wing flaps, the hornet has chosen to do.
- On the second input line you will receive **M** – the distance the hornet travels for 1000 wing flaps.
- On the third input line you will receive **P** – the endurance of the hornet.

Output

- As output you must print the total distance the hornet contestant has travelled, and the amount of time it took him.
- The output must be in the format of two lines:
 - On the first output line you must print the distance: "**{metersTraveled} m.**"
 - On the second output line you must print the time: "**{secondsPassed} s.**"
- The **distance** must be **printed** to the **second digit** after the **decimal point**.

Constraints

- The integer **N** – the wing flaps, will be in **range [0; 1,000,000,000]**.
- The floating-point number **M** – the distance for 1000 wing flaps, will be in **range [0; 1,000,000]**.
- The integer **P** – the endurance, will be in range **[1; N]**.

Examples

Input	Output	Comments
2000 5 200	10.00 m. 70 s.	The contestant has chosen to do 2000 wing flaps . He moves 5 meters per 1000 wing flaps . He rests every 200 wing flaps for 5 seconds . The distance is $(2000 / 1000) * 5 = 2 * 5 = 10.00$ meters. The hornet flaps 100 times for a second , so $2000 / 100 = 20$ seconds. But it also rests for 5 seconds every 200 flaps . $(2000 / 200) * 5 = 10 * 5 = 50$; $20 + 50 = 70$ seconds.
1000000 10	10000.00 m. 13330 s.	

1500	
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