Gift Box Coverage

Create a program that **calculates** what **percentage** you can cover of a **6-sided gift box (all sides are equal and square)**. **First**, you will **receive** the size of a side. Also, you will **receive** the **sheets** of paper you have. Last, you will receive how much **area** covers a **single sheet** of paper.

First, you need to **calculate** the **area** of the **gift box**. Then you have to **calculate how much area** you can cover with the **paper available**. Keep in mind that every **third sheet** covers only 25% of the usual area. You have to calculate what **percentage of the gift box you've covered**. **Percentage can exceed 100%!**

In the end, print the percentage of the area covered, **formatted** to the **2nd decimal place**, in the following format:

```
"You can cover {percentage}% of the box."
```

Input

- On the **1st line** you will receive the **size of a side** – a **real number** in the range [0.0…50.0]
- On the **2rd line** you will receive the **number of sheets of paper** – an **integer number** in the range [0…1000]
- On the **3th line** you will receive the **area** a **single sheet** of paper **covers** – a **real number** in the range[0.0…50.0]
- The input will always be in the right format.

Output

- In the end print the **percentage** of **the area covered formatted** to **the 2nd** decimal place in the format described above.

Constraints

- Percentage **can be over 100**%.
- All numbers are **centimeters**.

Examples

Input	Output
5 30 4	You can cover 60.00% of the box.
Comments	
The size of a side is 5. We have 6 sides, so the area is 5 * 5 * 6 = 150. 20 of sheets will cover 4 centimeters and 10 – 1 cm. The total area covered is 90, which is 60% of the total area.	
2.5 32 4.25	You can cover 277.67% of the box.