Problem 1 – Money

The first C# exam is coming! Help the trainers to calculate the amount of money they save for not printing on paper the exam descriptions. There are **N** students in the academy. The number of paper sheets that should be printed for each student is **S**. One realm (box with paper sheets) contains exactly **400** sheets of paper. The price of one realm is **P**.

You can buy part of a realm. For example if the price of a realm is 2.200 you can buy 0.456 parts of one realm which means that you will pay 0.456 * 2.200 = 1.0032.

N, **S**, **P** should be read from the console. Output the exact total amount of money the trainers save for not printing the exams on paper. The output should be rounded with 3 digits after the decimal point.

See the examples below for clarification.

Input

The input data should be read from the console.

The number **N** will be given on the first console line.

The number **S** will be given on the second console line.

The number **P** will be given on the third console line.

The input data will always be valid and in the format described. There is no need to check it explicitly.

Output

The output data should be printed on the console.

Output the amount of money with precision **3 digits** after the decimal point (Hint: use the formatting string `{0:F3}` for outputting the answer)

Constraints

- **N** will be a positive integer between 1 and 10 000.
- **S** will be a positive integer between 1 and 500.
- **P** will be a number between 0.001 and 100 with precision 3 digits after the decimal point.
- Allowed working time for your program: 0.1 seconds. Allowed memory: 16 MB.

Examples

Example input	Example output	Explanation
1200 5 4.800	72.000	1200 students with 5 sheets of paper each = total 6000 sheets of paper. 6000 sheets of paper means 15 reams. 15 reams with price of 4.800 each = 72.000
686 7 4.987	59.869	686 students with 7 sheets of paper each = total 4802 sheets of paper. 4802 sheets of paper means 12.005 reams. 12.005 reams with price of 4.987 each = 59.869 Actually the exact result is 59.868935 but when rounded to the third digit after the decimal point we come up with 59.869