
Simple Interest

Input file: `standard input`
Output file: `standard output`
Time limit: 1 second
Memory limit: 256 megabytes

If you invest using simple interest, the amount you get back is calculated using the following formula:

$$A = P + (P + \frac{r}{100} \times t)$$

where r is the interest rate (as a percentage from 0 to 100), P is the initial investment, and t is the number of years of the investment. The answer A is the amount after t years.

Write a program that takes the interest rate, the number of years and the initial investment, and then computes what your investment would amount to after t years. The output value of A should be to exactly two decimal places.

Input

Input consists of a single line containing three space-separated integers P , r , and t .

Output

Output a single integer A , formatted to exactly two decimal places.

Examples

standard input	standard output
5000 12 5	8000.00
3750 7.5 10	6562.50