You just started learning a new language and decide to buy a few books to practice. Thankfully you quickly find a book seller who offers every book for the same low fixed price. You have a certain amount of money and you would like to know how many books of the same price you can purchase.

Please write a C-program that starts by reading the amount of money you have (which may be a double), then reads the price per book (which again may be a double). The program should then display an integer, namely the largest number of books that you can purchase with the given amount of money.

Examples

Input

```
48.0
```

```
3.50
```

Output

```
13
```

Input

```
27.0
```

```
5.0
```

Output

```
5
```

Warning: You will be graded on your output, so do not include any print statements that prompt a user for input.

Note

You may submit as many solutions as you wish. Only your highest score will be kept.