



## Description

### Endless Appetizers

#### Program Description

*Life is a like a box of mozzarella sticks. You never know what you're gonna get, but you can predict with 100 percent accuracy that it will be a mozzarella stick.*

Aditya's colleague issued a challenge to Aditya: "If you eat more than **X** mozzarella sticks, I'll give you 30 rupees for each extra one you eat".

For example, if **X=5** and Aditya eats 8 sticks, he would receive 90 rupees because he ate 3 extra sticks.

You know that the restaurant serves **Y** mozzarella sticks per plate.

You also know that Aditya received **R** rupees from his colleague as a result of the challenge.

What's the **maximum** number of plates of mozzarella sticks that Aditya could have ordered? **Note:** Aditya won't order a new plate till he finishes eating all the sticks from the previous one. However, it's possible that Aditya didn't finish all the sticks from the final plate he ordered.

### Input Format

A single line of input, containing three space-separated integers X,Yand R — the lower limit on the number of sticks, the number of sticks on a single plate, and the money received by Aditya.

### Output Format

Print the maximum number of plates Aditya could have ordered.

### Constraints

$1 \leq X \leq 100$   $1 \leq Y \leq 10$   $0 \leq R \leq 3 \cdot 10^4$  It is guaranteed that R is a multiple of 30.

### Explanation

**For input1:** Aditya received 30 rupees i.e. he ate 1 extra stick.

Since  $X = 7$ , this means he must've eaten exactly 8 sticks. At 5 sticks per plate, Aditya would need 2 plates to eat 8 sticks (and two sticks from the second plate will remain uneaten).

C - GCC 11.1.0 ▾

↻ Timer 0:08 sec



Light

```
1 #include <stdio.h>
2 int main()
3 {
4     int X,Y,R;
5     scanf("%d %d %d", &X, &Y, &R);
6     int extra = R / 30;
7     int total = X + extra;
8     int plates = (total + Y - 1) / Y;
9     printf("%d", plates);
10    return 0;
11 }
```

 Run Code

## Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	7 5 30	7 5 30	2	2	1408 KB	3.627 ms	Pass
2	16 5 0	16 5 0	4	4	1408 KB	2.610 ms	Pass

All hidden testcases passed



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