

Operators - Fencing the Ground

Problem

Submissions

Leaderboard

Discussions

In Westeros, the fighting ground is rectangular in shape. The King of Westeros, Bran Stark decides to build a fence around the ground. In order to help the construction workers to build a straight fence, he planned to place a thick rope around the ground. He decided to buy a rope of length that exactly fits the boundary. He also wanted to cover the entire ground with a thick carpet during the rainy season. The carpet should also be bought in such a way that it exactly covers the entire ground. Being the three-eyed Raven, he was lost in his thoughts and requested your help. Can you please help King Bran by writing a program to find the exact length of the rope and the exact area of the carpet that is required?

Hint: Area of rectangle = length * breadth perimeter of a rectangle = 2* (length + breadth)

Input Format

Input consists of 2 integers. The first integer corresponds to the length of the ground. The second integer corresponds to the breadth of the ground.

Constraints

length>0 breadth>0

Output Format

Refer to the sample Input and Output for exact formatting specifications

Sample Input 0

```
50
20
```

Sample Output 0

```
The required length is 140 m
The required area of carpet is 1000 sqm
```

Sample Input 1

```
20
90
```

Sample Output 1

```
The required length is 220 m
The required area of carpet is 1800 sqm
```

Submissions: 915

Max Score: 60

Difficulty: Medium

Rate This Challenge:



[More](#)

Python 3



```
1 l=int(input())
2 b=int(input())
3 print("The required length is",2*(l+b),"m")
4 print("The required area of carpet is",l*b,"sqm")
```

Line: 1 Col: 1

[Upload Code as File](#)

☐ Test against custom input

Run Code

Submit Code

Testcase 0

Testcase 1

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

```
50
20
```

Your Output (stdout)

```
The required length is 140 m
The required area of carpet is 1000 sqm
```

Expected Output

```
The required length is 140 m
The required area of carpet is 1000 sqm
```