All Contests > Fundamentals of Programming > Operators - Fencing the Ground

# 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: 1034
Max Score: 60
Difficulty: Medium

Rate This Challenge:
☆ ☆ ☆ ☆ ☆

More

Python 3 ⌄

```python
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
```