8823

· P10



CAT

DETAILS

SUMAN RAJASHEKHAR HOOLI

Roll Number

3BR23CA107

EXPERIMENT

Title

SIGNATURE FOR LCM

Description

Given two numbers a and b. Find the GCD and LCM of and b.

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Input:

• Two positive integers a and b (1 <=a, b <=1000)

Output:

For GCD function, an integer representing the GCD of a 'and b

For LCM function, an integer representing the LCM of a and b

Sample Input:

12 18

Output:

36

Explanation:

The GCD of 12 and 18 is 6. The LCM of 12 and 18 is 36. 38R23CA70138R23CA70138R23CA7013

38R23CA1013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA10013BR23CA1001BR25CA1001BR25CA1001BR25CA1001BR25CA1001BR25CA1001BR25CA

Source Code: 38R23CA7013BR23CA7013BR22 38R23CA1013BR23CA

3BR23CA101BR23CA1013BR23CA1013BR23CA1013BR23CA1013BR23CA1013BR23CA 1073BR23CA1013BR23CA1013BR23CA1013 https://practice.reinprep.com/student/get-report/f187a1a1-7c10-11ef-ae9a-0e411ed3c76b

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```
import math

def gcd(a, b):
    return math.gcd(a, b)

def lcm(a, b):
    return (a * b) // gcd(a, b)

# Input reading
    a, b = map(int, input().split())

# Calculate GCD and LCM
gcd_value = gcd(a, b)
lcm_value = lcm(a, b)

print(gcd_value)
print(lcm_value)

RESULT

5 / 5 Test Cases Passed | 100 %

RESULT

5 / 5 Test Cases Passed | 100 %
```