3BRT

38R23ECO21 38R23ECO21



STUDENT REPORT

.02

388

DETAILS

BADIGERA SHREYA

Roll Number 🔗

3BR23EC021

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. 38R23ECO21 3BR23EC021 3BR23EC021 3BR23EC021 3BR23EC021

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Source Code: 38R23ECO2138R23ECO2138R23 38R23ECO2138R23ECU.

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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 %

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```