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085



5085

STUDENT REPORT

30

DETAILS

M A KAIF

Roll Number

3BR23CS085

5085 **EXPERIMENT**

Title

Description

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

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. 3BR23C508F3BR23C 3BR23C508F3BR25C508F508F3C508F3BR25C508F3BR25C508F3BR25C508F3BR25C508F3BR25C508F3BR25C508F3BR25C508F3BR25C508F3BR25C 38R23C50853BR23C50853V

Source Code: 38R23C50853RR23C50853RR23 3BR23C50853BR23C5V

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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 %
```