3822



38

STUDENT REPORT

8231

DETAILS

V LAVANYA

Roll Number

3BR23AI174

EXPERIMENT

Title

SIGNATURE FOR LCM

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. 3BR23AN1A3BR23AN1A3BR23AN1A3BR23AN1A3BR23AN1A

Source Code: 38R23A11A3BR23A11

3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR23ANTA3BR https://practice.reinprep.com/student/get-report/1bda381f-7bfb-11ef-ae9a-0e411ed3c76b

```
3BR23AI174-Signature for LCM
    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 %
```