822

2

500

THE BOOK OF THE PARTY OF THE PA

C 138 AND REPORT OF THE PARTY O

32CD019 3BR23CD019 3BR



STUDENT REPORT

3

# DETAILS

**DKMAHANTESH** 

**Roll Number** 

3BR23CD019

#### **EXPERIMENT**

### Title

SIGNATURE FOR LCM

#### **Description**

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

3822

219

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. 38R23CD01938R23CD0193BR23CD0193

## Source Code: 3BR23CD0193BR23CD0193BR22 3BR23CD0193BR23CD~

38R23CD01938CD01938CD0193CD01938 3b 3BR23Ch0193Br23Ch0193Br 38R23CD0193BR23CD0193BR23CD0

```
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 %
```