



Question 3

Correct

Mark 1.00 out of 1.00

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Write python code find Least Common Multiple among given two numbers using Greatest Common Factor.

Answer: (penalty regime: 0 %)

```
1 def cal_lcm(x, y):
2     if x > y:
3         greater = x
4     else:
5         greater = y
6     while(True):
7         if((greater % x == 0) and (greater % y == 0)):
8             lcm = greater
9             break
10        greater += 1
11    return lcm
12
13 num1 = int(input())
14 num2 = int(input())
15 print("The L.C.M. is {}".format(cal_lcm(num1, num2)))
```

	Input	Expected	Got	
✓	54	54	54	✓
	24	24	24	



	Input	Expected	Got	
✓	54 24 The L.C.M. is 216	54 24 The L.C.M. is 216	54 24 The L.C.M. is 216	✓
✓	768 988 The L.C.M. is 189696	768 988 The L.C.M. is 189696	768 988 The L.C.M. is 189696	✓
✓	8 7 The L.C.M. is 56	8 7 The L.C.M. is 56	8 7 The L.C.M. is 56	✓

Passed all tests! ✓

### Question author's solution (Python3):

```
1 def compute_gcd(x, y):
2     while(y):
3         x, y = y, x % y
4     return x
5 def compute_lcm(x, y):
6     lcm = (x*y)//compute_gcd(x,y)
7     return lcm
8 num1 = int(input())
9 num2 = int(input())
10 print("The L.C.M. is", compute_lcm(num1, num2))
```

Submit

Marks for this submission: 1.00/1.00.