

## LCM of two numbers

### Least Common Multiple(LCM)

I/p: a = 4, b = 6

O/p: 12

I/p: a = 12, b = 15

O/p: 60

I/p: a = 2, b = 8

O/p: 8

I/p: a = 3, b = 7

O/p: 21

```
def lcm(a, b):  
    res = max(a, b)  
    while True:  
        if res % a == 0 and res % b == 0:  
            return res  
        res += 1  
    return res
```

```
a = 4  
b = 6  
print(lcm(a, b))
```

### Efficient Solution

```
def gcd(a, b):  
    if b == 0:  
        return a  
    return gcd(b, a % b)
```

```
def lcm(a, b):  
    return a * b // gcd(a, b)
```

```
a = 4  
b = 6  
print(lcm(a, b))
```