

Algorithm

Step 1: Start

Step 2: input x, y

Step 3: $a = x;$

Step 4: $b = y;$

Step 5: while ($b \neq 0$)
{

$t = b;$

$b = a \% b;$

$a = t;$

}

Step 6: $gcd = a;$

Step 7: $LCM = (x * y) / gcd;$

Step 8: Output gcd, LCM

Step 9: Stop

Flowchart:

