Algorithm.

Step 1 : Start

Step 2 : input x y

Step 3 : a = x;

Step 4 : b = y;

Step 5 : while (b != 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

Flow chart