class Main {

public static void main(String[] args) {

// find GCD between n1 and n2

int n1 = 30, n2 = 45;

// initially set to gcd

int gcd = 1;

for (int i = 1; i <= n1 && i <= n2; ++i) {

// check if i perfectly divides both n1 and n2

if (n1 % i == 0 && n2 % i == 0)

gcd = i;

}

System.out.println("GCD of " + n1 +" and " + n2 + " is"+gcd);

}

}