For given positive integers A, B and K find the Kth smallest positive integer C that is divisible by both A and B.

* **[time limit] 3000ms (cs)**
* **[input] integer A**
* **[input] integer B**
* **[input] integer K**
* **[output] integer**

<https://codefights.com/challenge/8H7qmDrFF77KqQccx/main>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static int kthMultiple(int A, int B, int K)

{

int ini = Math.Max(A, B);

int n = 0;

for (int i = ini; ; i++)

{

if (i % A == 0 && i % B == 0)

{

n++;

}

if (n == K)

{

return i;

}

}

}

static void Main(string[] args)

{

Console.WriteLine(kthMultiple(3,2,3));

Console.ReadLine();

}

}

}