**Sum of all the multiples of 3 or 5**

34689% *of* 445351 *of* 2,471[wichu](https://www.codewars.com/users/wichu)

C#

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Your task is to write function findSum.

Upto and including n, this function will return the sum of all multiples of 3 and 5.

For example:

findSum(5) should return 8 (3 + 5)

findSum(10) should return 33 (3 + 5 + 6 + 9 + 10)

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using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

namespace Solution

{

public static class Program

{

public static int findSum(int n)

{

return

SumMultiplesOfUpTo(3, n) +

SumMultiplesOfUpTo(5, n) -

SumMultiplesOfUpTo(15, n);

}

private static int SumUpTo(int n)

{

return n \* (n + 1) / 2;

}

private static int SumMultiplesOfUpTo(int m, int n)

{

return m \* SumUpTo(n / m);

}

}

}

class Program

{

public static int findSum(int n)

{

int sum = 0;

for (int i = 3; i <= n; i++)

{

if (i % 3 == 0 || i % 5 == 0)

{

sum += i;

}

}

return sum;

}

static void Main(string[] args)

{

}

}

}