Beta

**Say Me Please Operations**

0069% of810[hubencu\_st](https://www.codewars.com/users/hubencu_st)

C#

* [TRAIN AGAIN](https://www.codewars.com/kata/say-me-please-operations/train/csharp)
* [NEXT KATA](https://www.codewars.com/trainer/csharp)

Details

[Solutions](https://www.codewars.com/kata/say-me-please-operations/solutions/csharp)

[Discourse (3)](https://www.codewars.com/kata/say-me-please-operations/discuss/csharp)

* Add to Collection
* |
* Share this kata:

You have a string with N numbers, every 2 numbers after an operation(?) return next number in this string.

Write a function who return new string with respective operations :

1)addition,

2)subtraction,

3)multiplication,

4)division.

example: for string stringNumbers = "9 4 5 20 25"

your function must return:

"subtraction, multiplication, addition"

because,

9 - 4 = 5 - substraction,

4 \* 5 = 20 - multiplication,

5 + 20 = 25 - addition.

* all input data is valid;
* number of numbers in input string >= 3
* for similar case ( 2, 2, 4 ) - when is posible multiple variants, chose first posible operation from list.

<https://www.codewars.com/kata/say-me-please-operations/csharp>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

public static string sayMeOperations(string stringNumbers)

{

int[] arr = Array.ConvertAll(stringNumbers.Trim().Split(' '), e => int.Parse(e));

List<string> ans = new List<string>();

for (int i = 2; i < arr.Length; i++)

{

if (arr[i - 2] + arr[i - 1] == arr[i])

{

ans.Add("addition");

}

else if (arr[i - 2] - arr[i - 1] == arr[i])

{

ans.Add("subtraction");

}

else if (arr[i - 2] \* arr[i - 1] == arr[i])

{

ans.Add("multiplication");

}

else if (arr[i - 2] / arr[i - 1] == arr[i])

{

ans.Add("division");

}

}

return String.Join(", ", ans);

}

static void Main(string[] args)

{

Console.WriteLine(sayMeOperations("1 2 3 5 8"));

Console.ReadLine();

}

}

}