* **Task**

You are standing at a magical well. It has two positive integers written on it: a and b. Each time you cast a magic marble into the well, it gives you a \* b dollars and then both a and bincrease by 1. You have n magic marbles. How much money will you make?

* **Example**

For a = 1, b = 2 and n = 2, the output should be 8

You will cast your first marble and get $2, after which the numbers will become 2 and 3. When you cast your second marble, the well will give you $6. Overall, you'll make $8. So, the output is 8.

* **Input/Output**
* [input] integer a

Constraints: 1 ≤ a ≤ 2000

* [input] integer b

Constraints: 1 ≤ b ≤ 2000

* [input] integer n

The number of magic marbles in your possession, a non-negative integer.

Constraints: 0 ≤ n ≤ 5

* [output] an integer

PUZZLES

GAMES

<http://www.codewars.com/kata/simple-fun-number-13-magical-well/train/csharp>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

public static int MagicalWell(int a, int b, int n)

{

//coding and coding..

int sum = 0;

for (int i = 0; i < n; i++)

{

sum += (a \* b);

a++;

b++;

}

return sum;

}

static void Main(string[] args)

{

int a = 1;

int b = 2;

int n = 2;

Console.WriteLine(MagicalWell(a, b, n));

Console.ReadLine();

}

}

}