

# Problem 2455: Average Value of Even Numbers That Are Divisible by Three

## Problem Information

Difficulty: Easy

Acceptance Rate: 62.40%

Paid Only: No

Tags: Array, Math

## Problem Description

Given an integer array `nums` of **positive** integers, return `the average value of all even integers that are divisible by 3`.

Note that the **average** of `n` elements is the **sum** of the `n` elements divided by `n` and **rounded down** to the nearest integer.

**Example 1:**

**Input:** `nums = [1,3,6,10,12,15]` **Output:** `9` **Explanation:** 6 and 12 are even numbers that are divisible by 3.  $(6 + 12) / 2 = 9$ .

**Example 2:**

**Input:** `nums = [1,2,4,7,10]` **Output:** `0` **Explanation:** There is no single number that satisfies the requirement, so return 0.

**Constraints:**

`1 <= nums.length <= 1000` `1 <= nums[i] <= 1000`

## Code Snippets

**C++:**

```
class Solution {  
public:  
    int averageValue(vector<int>& nums) {  
  
    }  
};
```

### Java:

```
class Solution {  
    public int averageValue(int[] nums) {  
  
    }  
}
```

### Python3:

```
class Solution:  
    def averageValue(self, nums: List[int]) -> int:
```