5996. Count Equal and Divisible Pairs in an Array

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Given a **0-indexed** integer array `nums` of length `n` and an integer `k`, return *the* ***number of pairs*** `(i, j)` *where* `0 <= i < j < n`, *such that* `nums[i] == nums[j]` *and* `(i * j)` *is divisible by* `k`.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

```
Input: nums = [3,1,2,2,2,1,3], k = 2
Output: 4
Explanation:
There are 4 pairs that meet all the requirements:
- nums[0] == nums[6], and 0 * 6 == 0, which is divisible by 2.
- nums[2] == nums[3], and 2 * 3 == 6, which is divisible by 2.
- nums[2] == nums[4], and 2 * 4 == 8, which is divisible by 2.
- nums[3] == nums[4], and 3 * 4 == 12, which is divisible by 2.
```

Example 2:

```
Input: nums = [1,2,3,4], k = 1
Output: 0
Explanation: Since no value in nums is repeated, there are no pairs (i,j) that meet all the requirements.
```

Constraints:

- `1 <= nums.length <= 100`
- `1 <= nums[i], k <= 100`

Java

```
class Solution {
    public int countPairs(int[] nums, int k) {

    }
}
```

Custom Testcase Use Example Testcases

Run Submit