5850. Find Greatest Common Divisor of Array

My Submissions (/contest/weekly-contest-255/problems/find-greatest-common-divisor-of-array/submissions/)

Back to Contest (/contest/weekly-contest-255/)

Given an integer array `nums`, return *the **greatest common divisor** of the smallest number and largest number in* `nums`.

The **greatest common divisor** of two numbers is the largest positive integer that evenly divides both numbers.

User Accepted:	224
User Tried:	238
Total Accepted:	224
Total Submissions:	241
Difficulty:	Easy

Example 1:

```
Input: nums = [2,5,6,9,10]
Output: 2
Explanation:
The smallest number in nums is 2.
The largest number in nums is 10.
The greatest common divisor of 2 and 10 is 2.
```

Example 2:

```
Input: nums = [7,5,6,8,3]
Output: 1
Explanation:
The smallest number in nums is 3.
The largest number in nums is 8.
The greatest common divisor of 3 and 8 is 1.
```

Example 3:

```
Input: nums = [3,3]
Output: 3
Explanation:
The smallest number in nums is 3.
The largest number in nums is 3.
The greatest common divisor of 3 and 3 is 3.
```

Constraints:

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

JavaScript ▼

```javascript
1   const gcd = (a, b) => b == 0 ? a : gcd(b, a % b);
2
3 ▾ const findGCD = (a) => {
4       let max = Math.max.apply(Math, a);
5       let min = Math.min.apply(Math, a);
6       return gcd(min, max);
7   };
```

☐ **Custom Testcase**   (Use Example Testcases)

                                                                    ⏵ Run   ☁ Submit

Submission Result: Accepted (/submissions/detail/542188182/) ❓   (More Details ❯ (/submissions/detail/542188182/))

Share your acceptance!