Test R

## 1. Code Question 1

The supply chain manager at one of Amazon's warehouses is shipping the last container of the day. All n boxes have been loaded into the truck with their sizes represented in the array boxes. The truck may not have enough capacity to store all the boxes though, so some of the boxes may have to be unloaded. The remaining boxes must satisfy the condition  $\max(boxes) \le capacity * \min(boxes)$ .

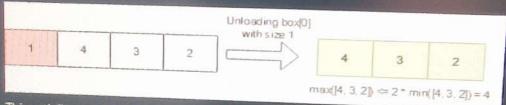
Given the array, boxes, and capacity, find the minimum number of boxes that need to be unloaded.

### Example

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Given, n = 4, boxes having size boxes = [1, 4, 3, 2] and capacity = 2.



This satisfies the required condition. Hence the answer is 1,

### **Function Description**

Complete the function getMinimumBoxes in the editor below.

getMinimumBoxes has the following parameter(s):
int boxes[n]: the size of each box
int capacity: the multiplier

#### Returns

int: the minimum boxes to remove from the truck

#### Constraints

- · 1 ≤ n ≤ 105
- 1 ≤ boxes[i] ≤ 5\*10<sup>5</sup>
- 1 ≤ capacity ≤ 1000

# ► Input Format For Custom Testing

### ▼ Sample Case 0

# Sample Input For Custom Testing