**Description:**  
You are given an array of integers. Your task is to determine the minimum number of moves required to make all elements in the array divisible by a given integer k. In each move, you can either add or subtract 1 to/from any element in the array.

**Example:**Input:

3

1 5 9

2

Output: 3  
Explanation: To make all elements divisible by 2, you can:

* Add 1 to 1 to get 2,
* Subtract 1 from 5 to get 4,
* Subtract 1 from 9 to get 8. The total moves are 3.

Input Format:

* The first line contains an integer n (1 ≤ n ≤ 1000), the number of elements in the array.
* The second line contains n space-separated integers, the elements of the array.
* The third line contains an integer k(1 ≤ k ≤ 100), the divisor.

Output Format:

* A single integer representing the minimum number of moves to make all elements divisible by k.

Sample Test Cases:

1. Input:

4

2 4 6 8

3

Output: 4

1. Input:

5

7 14 10 16 5

5

Output: 6