Hunter Barton Jaydon Cobb Xerxes Tarman Ian Gluesing

What is the Median?

Find the median value of the series of integers stream through the console. The median

Ex 1,3,6,2,7

the median would be 3

However, we must print the median value when each integer streamed to the console.

EX 1 3 4 60 70 50 2 1 2 3 3 4 27 4

Our approach for this problem is sorting a list each time the number is added to the console to find the median.

while numbers in the console

add number to list

sort list

Print median of the sorted list

}

Problems when submitting

none

```
import java.util.ArrayList;
import java.util.Collections;
import java.util.Scanner;
   public static void main(String[] args) {
     ArrayList<Integer> list = new ArrayList<Integer>();
     Scanner scan = new Scanner(System.in);
     while(scan.hasNextInt()) {
       int num = scan.nextInt();
       list.add(num);
       Collections.sort(list);
         int med = ((list.get(list.size()/2) + list.get(list.size()/2-1))
/2);
         System.out.println(med);
          System.out.println(list.get(list.size()/2));
```