Provide a program that sorts an array of integers using the insertion sort algorithm and then calculates and prints the mean and median of the sorted array. Remember that arrays in C are passed by reference. The formula for the mean is ().

The formulae for median are:  
Odd: (

Even:

Sample input: 12, 13, 13, 22, 24, 10, 13, 15, 15, 16, 16, 18, 25, 23, 24

Sample output:  
Sorted Array: 10 12 13 13 13 15 15 16 16 18 22 23 24 24 25

Mean: 17.27

Median: 16.00