Name _____ Date _____ Class_____

American Math 6th Grade HW 28;

Mean Absolute Deviation; Box Plots

Find the *mean absolute deviation (MAD)* for *Exercises 1 and 2.* Show your work.

1. The number of approved soy-based containers produced in 10 stamping runs of 240 containers: 225, 227, 227, 228, 230, 230, 231, 238, 238, and 240

2.Two bowlers bowl the following number of strikes in 9 games.

1st bowler	8	5	5	6	8	7	4	7	6
2nd bowler	10	6	8	8	5	5	6	8	9

What is the mean and the mean absolute deviation of the number of strikes of each bowler?

The high temperatures for 2 weeks are shown at the right. Use the data set for Exercises 3–7.

Show your work for each one.

High Temperatures						
69	73	72	66	64	64	61
70	78	78	74	69	61	62

3. Order the data from least to greatest.

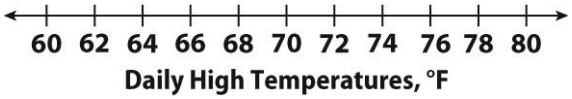
_____

4. Find the median. _____

5. Find the lower quartile. _____

6. Find the upper quartile._____

7. Make a box plot for the data.



Name _____ Date _____ Class_____

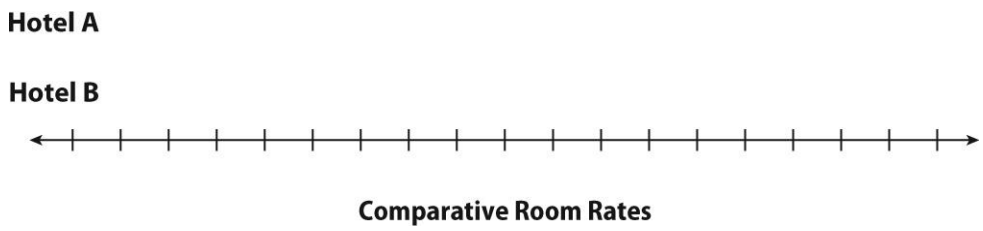
Use the situation below to complete Exercises 8–9. Show your work.

Below are the prices of various rooms at two different resort city hotels.

Hotel A: 360 100 180 220 240 200

Hotel B: 300 250 180 80 120 340 220

8. Make box plots for each set of data.



9. Which hotel has the greater median room price? _____