Bellwork Algebra 2 Monday, May 19, 2014

Use this set of data:

92, 73, 87, 62, 84, 65, 77, 88, 95, 99, 62, 66, 73

Find each to the nearest hundredth.

1. Mean 78.69
2. Median 77
3. Mode 62, 73
4. Range 37
5. Interquartile Range $Q_3 - Q_1 = 24.5$

2. Use these two sets of data:

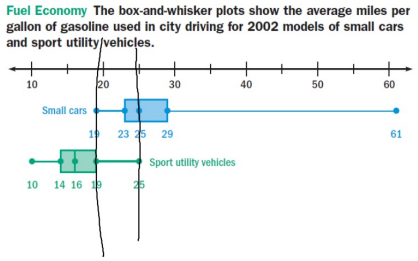
Set A: 12, 17, 22, 27, 32, 37, 42, 47, 52, 57

Set B: 85, 78, 79, 83, 81, 84, 86, 75, 82, 81

Which set of data has more variation?
Give a reason for your answer

Most common answer by students is Set A because it has a larger Range than Set B.

3. Tell which kind of vehicle gets better gas mileage. Use the box-and-whisker plots below to give two reasons for your choice using the percents found in a box-and-whisker plot.



Example Responses:

- Small cars get better gas mileage because 50% got 25mpg or better whereas no SUV's got 25mpg or better.
- Small cars get better gas mileage because 100% of them get at least 19 mpg whereas only 25% of SUV's get at least 19mpg.