

Unit 6B Test 1

Name: _____

Date: _____

Use the following sets of SAT scores to answer the following questions.

SAT Scores for Men	SAT Scores for Women
1059 1328 1175 1123 923 1017 1214	1226 965 841 1053 1056 1393 1312
1042 1313 1040 1100 1290 990 1300	1222 1100 1215 1300 1296 985 1350

1. Compute the mean and the median for each set of data.

2. Compute the 5-Number Summary for each set of data.

3. Sketch side-by-side boxplots for the sets of data.

4. Based on the 5-Number Summaries and the boxplots, which group had the highest median? Which group had the most consistent performance?

Unit 6B Test 1 *(continued)*

Name: _____

5. Compute the range and standard deviation for each set of data.

6. Apply the range rule of thumb to estimate the standard deviation of each set of data. How well does it work in each case? Briefly comment on why it did or did not work in each case.

7. Based on all your results, compare and discuss the two data sets in terms of their centers and variation.
