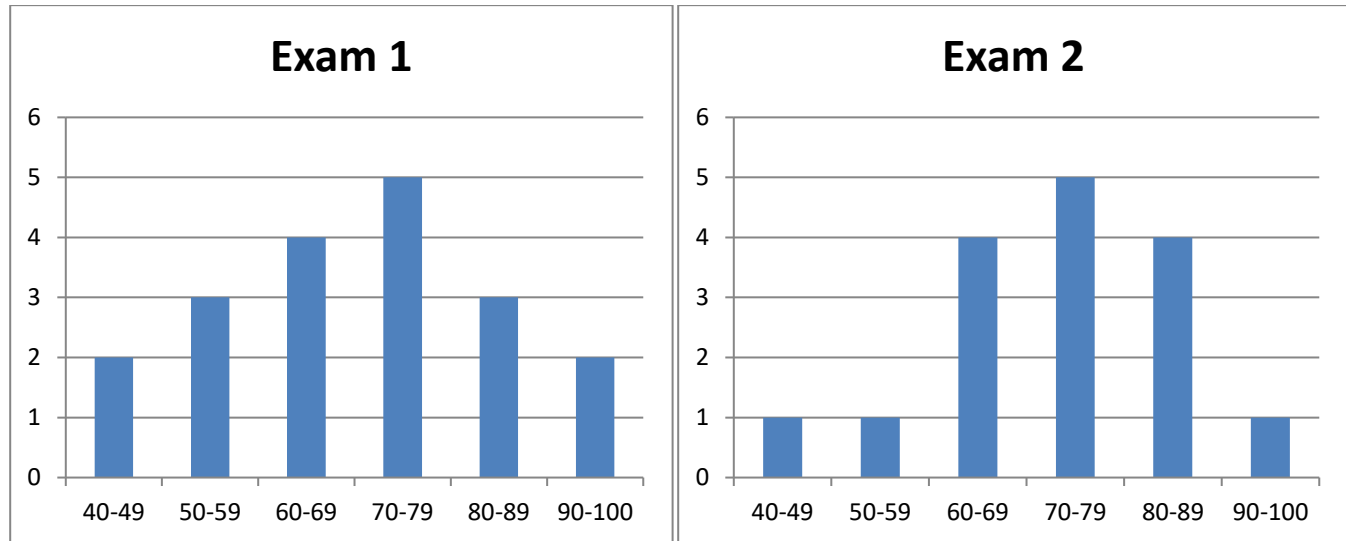


Measures of Variation Group Assignment

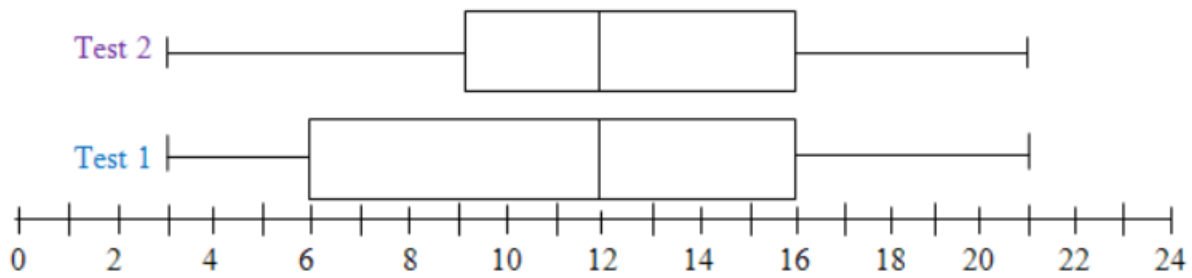
Show work legibly on separate piece of paper. You do not have to rewrite the question.

1. Which data set has a larger standard deviation? Explain.



2. Pick 2 NFL teams. Find the points scored each game in this season for both teams. Calculate the standard deviation for points scored for both teams.
3. Find the 5 number summary for the female and male students in MAT 141.
 - a) female heights
 - b) male heights
4. Construct a side by side box plot for female students and male students.

5.



- Find the range for both tests.
- Find the median for both tests.
- In Test 1, what percent of the data falls between 6 and 16?
- In Test 2, what percent of the data falls between 9 and 16?
- Which test has a smaller standard deviation?