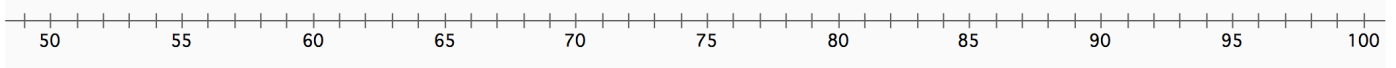


Assignment 4.1

1. Make a box and whisker plot for the following test scores (tests are out of 100):

60, 64, 68, 68, 72, 76, 76, 80, 80, 80, 84, 84, 84, 84, 88, 88, 88, 92, 92, 96, 96, 96, 96, 96, 96, 96, 96, 100, 100



2. Using the box and whisker plot you made:

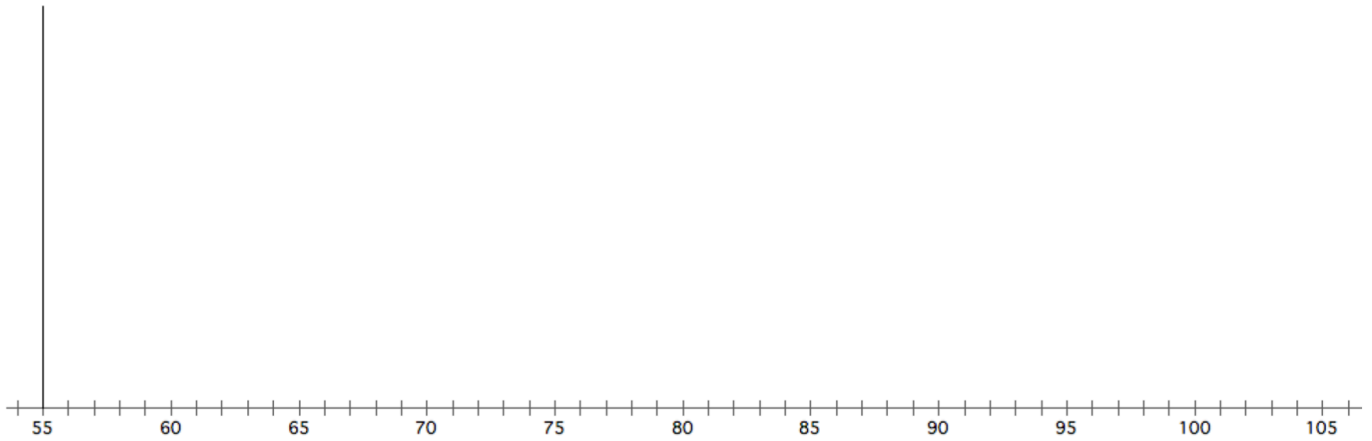
- a. How much of the data is represented by the box?
- b. What is the range of data represented by the box?
- c. How much of the data is represented by each whisker?
- d. What is the overall range of the data?
- e. How would you describe how the students did on this test?

3. Create a frequency table for the data given in #1.

Score	Frequency
60 – 64	
65 – 69	
70 – 74	
75 – 79	
80 – 84	
85 – 89	
90 – 94	
95 – 99	
100 – 104	

- a. Which interval(s) has the highest frequency?
- b. Which interval(s) has the lowest frequency?
- c. How big is each score interval?

4. Create a histogram from the frequency table you made in #3.



5. What information is most noticeable in the box and whisker plot?
6. What information is most noticeable in the histogram?

Refresh Your Memory

7. Sam earned the following test scores: 60, 89, 83, 99, 95, 60
- Calculate Sam's mean test score:
 - Calculate Sam's median test score:
 - Calculate Sam's mode test score:
 - What do you think Sam's overall grade should be? Why?