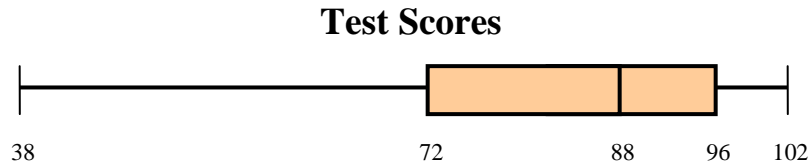


Name _____ Period _____

Box & Whisker

For questions 1 – 6, refer to the box & whisker graph below which shows the test results of a math class.



- _____ 1. What was the high score on the test?

- _____ 2. What percent of the class scored above a 72?

- _____ 3. What was the median score on the test?

- _____ 4. What percent of the class scored between 88 & 96?

- _____ 5. What was the low score on the test?

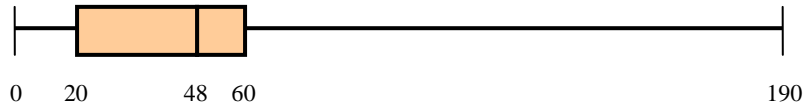
- _____ 6. What was the range of the test scores?

7. Do you think that this test was too hard for the students? Explain.

8. Why do you think the first quartile is so much longer than the other quartiles?

For questions 9-16 refer to the box & whisker graph below that shows how much time was spent per night on homework for students at a certain school during September.

Average Minutes Per Night Spent On Homework

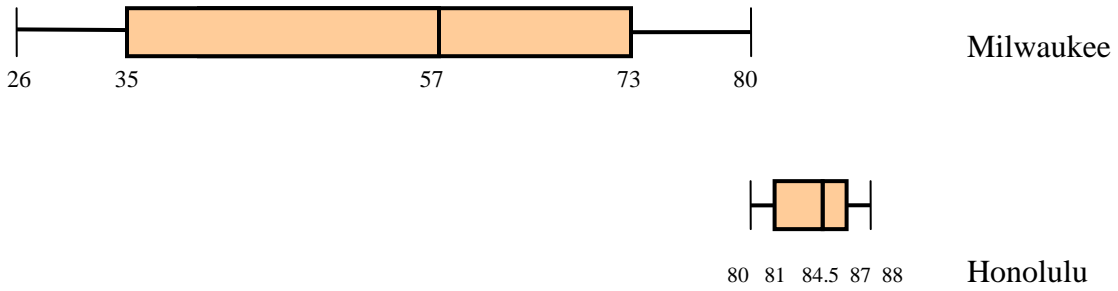


- _____ 9. What percent of the students spend more than 60 minutes on homework per night?
- _____ 10. What is the range of times that the middle 50% of the students spend on homework per night?
- _____ 11. What percent of the students spend less than an hour on homework a night?
- _____ 12. What percent of the students spend less than 20 minutes per night on homework?
- _____ 13. What is the range of time spent on homework?
14. Would you expect the mean number of minutes per night to be higher or lower than the median? Explain.

15. Why is the last whisker so much longer than the other sections? _____

16. Make up a data set that could fit this box and whisker if 15 students were surveyed.

Average Monthly High Temperatures



What are some observations that can be made about the temperatures in Milwaukee and Honolulu?

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____