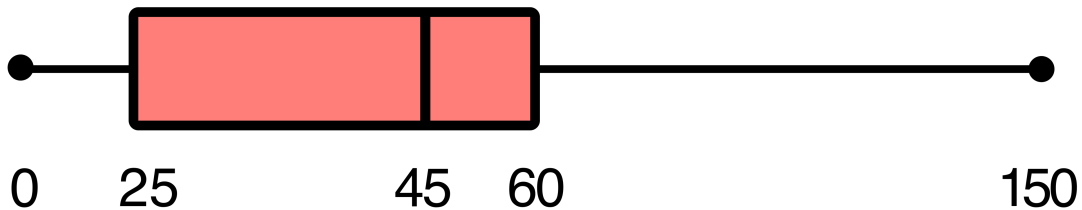


Name: _____

Analyzing Box-and-Whisker Plots

Directions: Use the box-and-whisker plot graphs below to answer the questions that follow.

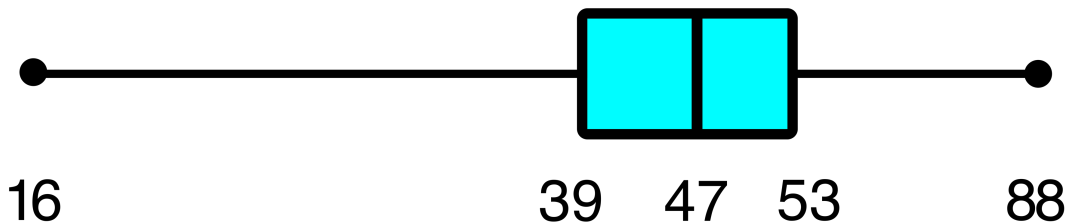
1.) Time Spent on Homework (in Minutes)



- A.) What is the largest number of minutes spent on homework? _____
- B.) What is the smallest number of minutes spent on homework? _____
- C.) What is the median number of minutes spent on homework? _____
- D.) What percent of students spent an hour or less on homework? _____
- E.) What is the range of the number of minutes spent on homework in the 4th quartile _____
- F.) What would you say is the average number of minutes spent on homework? Explain your answer.



2.) Patient Wait Times (in Minutes)

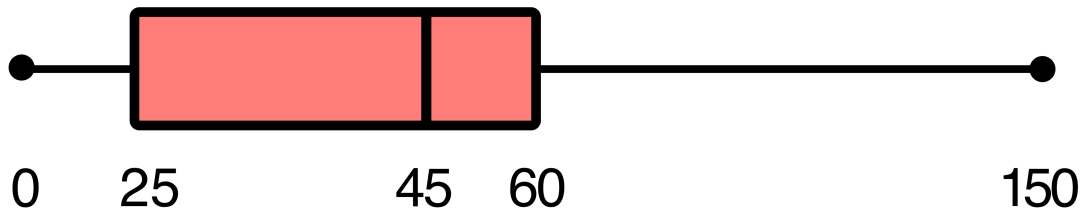


- A.) What was the largest number of minutes spent waiting? _____
- B.) What was the fewest number of minutes spent waiting? _____
- C.) What was the median number of minutes spent waiting? _____
- D.) What percent of patients spent at least 39 minutes waiting? _____
- E.) What was the range between the longest wait time and the shortest? _____
- F.) What would you say is the average patient wait time? Explain your answer.



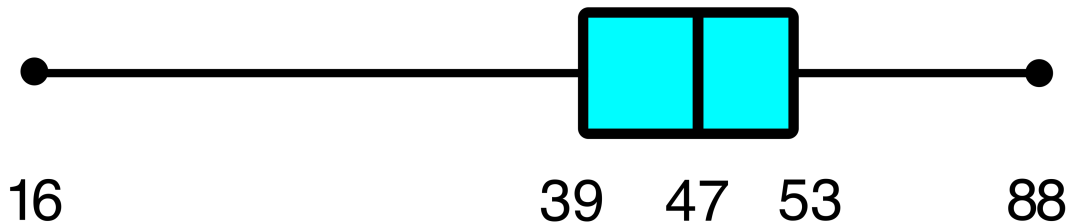
ANSWER KEY

1.) Time Spent on Homework (in Minutes)



- G.) What is the largest number of minutes spent on homework? **150**
- H.) What is the smallest number of minutes spent on homework? **0**
- I.) What is the median number of minutes spent on homework? **45**
- J.) What percent of students spent an hour or less on homework? **75%**
- K.) What is the range of the number of minutes spent on homework in the 4th quartile **90**
- L.) What would you say is the average number of minutes spent on homework? Explain your answer. **Answers will vary.**

2.) Patient Wait Times (in Minutes)



- M.) What was the largest number of minutes spent waiting? **88**
- G.) What was the fewest number of minutes spent waiting? **16**
- H.) What was the median number of minutes spent waiting? **47**
- I.) What percent of patients spent at least 39 minutes waiting? **75%**
- J.) What was the range between the longest wait time and the shortest? **72**
- K.) What would you say is the average patient wait time? Explain your answer. **Answers will vary.**