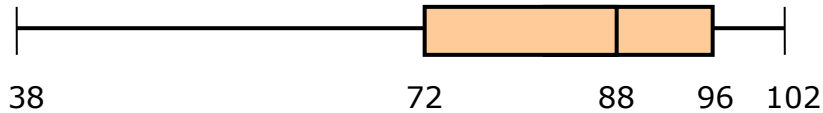


Box & Whisker Homework

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

Test Scores (as %) for 6th Period

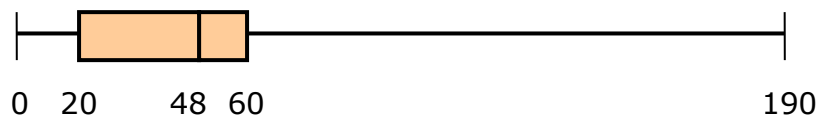


- _____ 1. What was the high score on the test?
- _____ 2. What percent of the class scored above a 72?
- _____ 3. What was the median score on the test?
- _____ 4. What percent of the class scored between 88 & 96?
5. Do you think that this test was too hard for the students? Explain.

6. Would you expect the mean to be above or below the median? Explain.

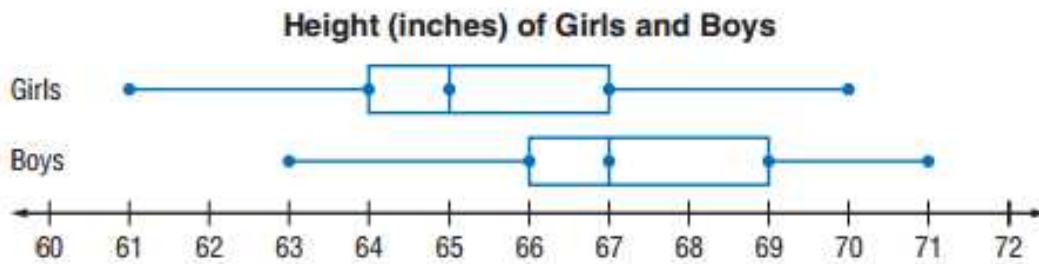
For questions 7 – 9 refer to the box & whisker graph below that shows how much time was spent per night on homework for sophomore class at a certain high school during September.

Average Minutes Per Night Spent On Homework



- _____ 7. What percent of the sophomores spend more than 60 minutes on homework per night?
- _____ 8. What is the range of times that the middle 50% of the sophomores spend on homework per night?
- _____ 9. What percent of the sophomores spend less than 20 minutes per night on homework?

Due: Wednesday, February 4, 2015



Refer to the above double box plot below that shows the height of girls and boys in a class.

1) Compare the heights of the girls and boys.

2) What percent of the girls and what percent of the boys are 67 inches or shorter?

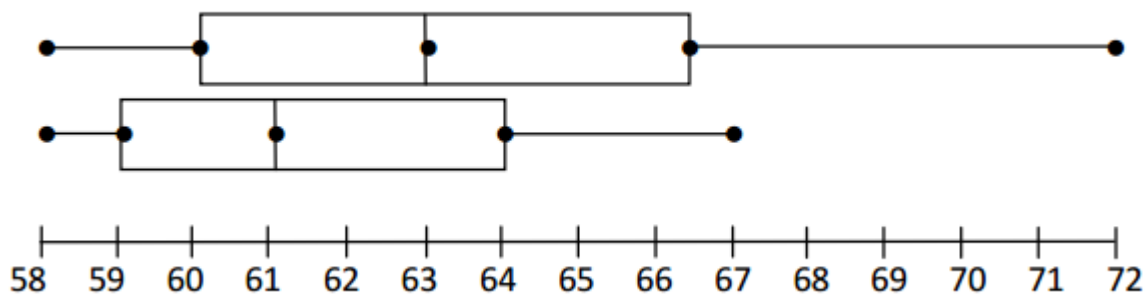
Twelve students in Mrs. Pickard's 3rd period 7th grade math class were chosen at random and their heights were measured in inches.

Their heights were measured as:
59, 65, 60, 64, 67, 58, 59, 63, 62, 64, 59, and 58

Mr. Arispe randomly choose twelve students in his 5th period math class and recorded their heights in inches.

Results from Mr. Arispe's 5th period: 58, 63, 68, 66, 59, 67, 62, 63, 60, 72, 60, and 63

The following double box plot was created based on Mrs. Pickard's and Mr. Arispe's data:



3) What is the difference between the medians of the two data sets?

4) What is the difference between the ranges of the two sets of data?

5) What is the difference between the interquartile ranges of the two sets of data?
