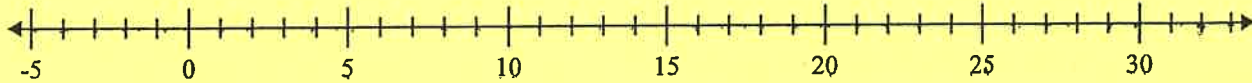


NAME _____ DATE _____ PERIOD _____

Create a box plot from the set of numbers.

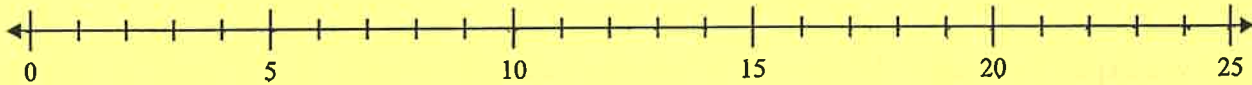
- 1) 12, 18, 5, 11, 7, 15



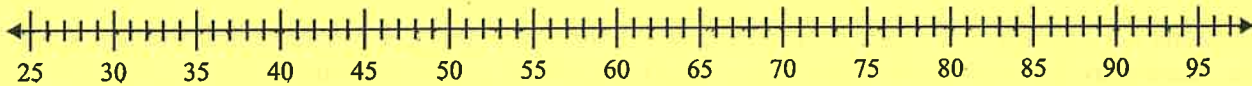
- 2) 22, 24, 54, 51, 83, 74, 66, 35, 68, 95



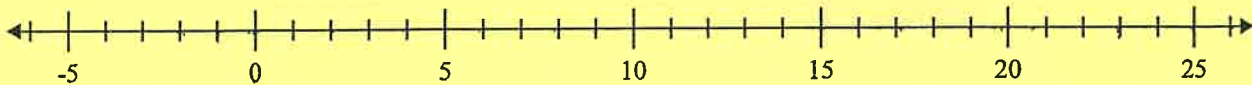
- 3) 9, 20, 5, 20, 12, 13, 18, 18



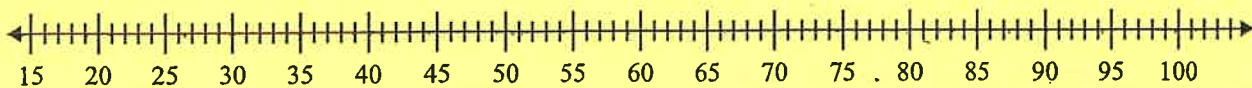
- 4) 51, 45, 77, 38, 49, 37, 36, 89



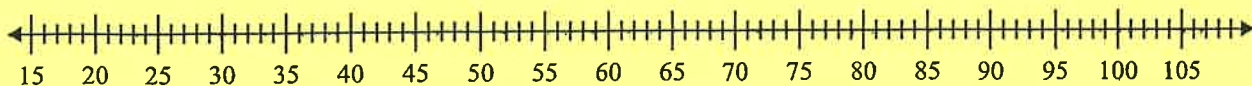
- 5) 9, 5, 16, 8, 16, 12



- 6) 36, 92, 92, 84, 63, 30, 55, 96, 56, 90



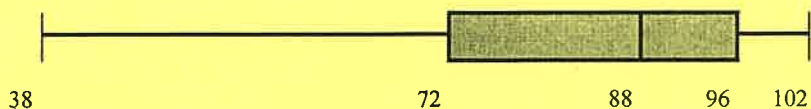
- 7) 77, 91, 31, 74, 25, 95, 85, 81, 39, 80, 75, 20



Interpreting Boxplots

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

Test Scores (as %) for 2nd Period

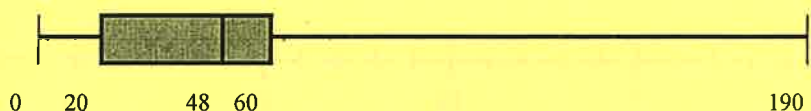


- _____ 1. What was the high score on the test?
- _____ 2. What percent of the class scored above a 72?
- _____ 3. What was the median score on the test?
- _____ 4. What percent of the class scored between 88 & 96?
5. Do you think that this test was too hard for the students? Explain.

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

For questions 7 – 11 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. How many sophomores do not do homework?
- _____ 10. What percent of the sophomores spend less than 20 minutes per night on homework?