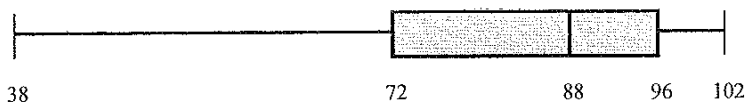


Name \_\_\_\_\_ Period \_\_\_\_\_

## Box & Whisker Worksheet

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

**Test Scores (as %) for 6<sup>th</sup> 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.

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

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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?
11. Would you expect the mean number of minutes per night to be higher or lower than the median? Explain.

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For questions 12 – 23, refer to the box & whisker graphs below that compare homework time per night with TV time per night for the same group of sophomores.

### TV & Homework Minutes per Night



- \_\_\_\_\_ 12. What percent of the sophomores watch TV for at least 15 minutes per night?
- \_\_\_\_\_ 13. What is the 3<sup>rd</sup> quartile for the TV time data?
14. Is it more common for a sophomore at this high school to spend more than 1 hour on homework or more than 1 hour watching TV? Explain.

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For questions 15 – 23, identify if each statement is true, false, or cannot be determined.

- \_\_\_\_\_ 15. Some sophomores didn't watch TV that month.
- \_\_\_\_\_ 16. The TV box & whisker graph contains more data than the homework graph.
- \_\_\_\_\_ 17. 25% of the sophomores spend between 48 & 60 minutes per night on homework.