

Name \_\_\_\_\_

Date \_\_\_\_\_ Period \_\_\_\_\_

## In the Middle

A corporation is awarding grants to local schools to purchase fitness equipment. The principal at Sharpe Middle School would like to submit an application for the grant. If awarded the money, the school would like to add fitness equipment to the gym.

Before she submits the application, the principal wants to understand how much time the students at Sharpe Middle School spend exercising each weekday. She decides to give a survey to 15 anonymous students. The results are shown.

0 minutes	40 minutes	60 minutes	30 minutes	60 minutes
10 minutes	45 minutes	30 minutes	300 minutes	90 minutes
30 minutes	120 minutes	60 minutes	0 minutes	20 minutes

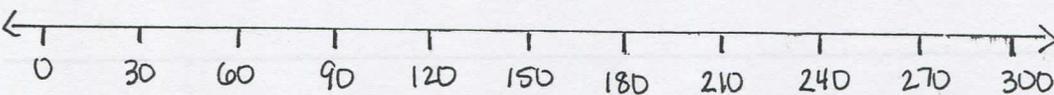
1. Identify the statistical question posed in this situation. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Draw a box and whisker plot for the data above. Describe the distribution of the data. \_\_\_\_\_

\_\_\_\_\_



3. Calculate and interpret each measure of center. Show your work.

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Mean: \_\_\_\_\_

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Median: \_\_\_\_\_

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Mode: \_\_\_\_\_

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4. Write a summary statement to the principal based on your findings. \_\_\_\_\_

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