

Math 123
Fall 2023
Dr. Lily Yen

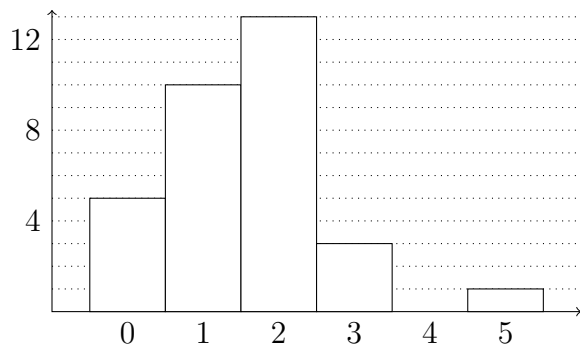
Assignment 6

Show all your work

Name: _____
Number: _____
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Score: ____/13

Problem 1: The histogram shown is a summary of a survey of the number of siblings (on the horizontal axis) each student has from Lily's Math123 class at Capilano University. The vertical axis is for frequency. Answer the following questions.

- Label the axes.
- Find the number (n) of students surveyed.
- Find the average number of siblings students in Lily's class have.
- Find the mode for the number of siblings.
- Find the median for the number of siblings.
- Compute the first quartile and the third quartile from the frequency histogram.
- Draw a boxplot for the data.
- Find the standard deviation assuming that all students in the class are included in the survey.



Score: ____/13