| Verbal | Mean |
| :---: | :---: |
| The line plot below shows the number of skateboards owned by each of the 10 members of the Skateboard Club. | *What is the mean number of skateboards owned by the Skateboard Club members? |
| Median | Mode/Range |
| *What is the median number of skateboards owned by the Skateboard Club members? <br> **Two people became new members of the Skateboard Club. However, the median number of skateboards owned by the 12 club members did not change. <br> What could be the number of skateboards each of the two new club members owns? Explain your reasoning. | *What is the mode of the numbers of skateboards owned by the Skateboard Club members? <br> **What is the range of the numbers of skateboards owned by the Skateboard Club members? Show or explain how you got your answer |

Adapted from the Massachusetts Comprehensive Assessment System 2010, Mathematics - Grade 10 Question 20: Open-response Reporting Category: Data Analysis, Statistics, and Probability

Standard: 10.D. 1 - Select, create, and interpret an appropriate graphical representation (e.g., scatterplot, table, stem-and-leaf plots, box-and-whisker plots, circle graph, line graph, and line plot) for a set of data and use appropriate statistics (e.g., mean, median, range, and mode) to communicate information about the data. Use these notions to compare different sets of data.

