BIG IDEAS

For Your Notebook

Big Idea 1 — Analyzing Sets of Data

You can find values that represent a typical data value using the following measures of central tendency:

mean, median, and mode

You can find values that describe the spread of data using the following measures of dispersion:

range, mean absolute deviation, and interquartile range

Big Idea 2 — Making and Interpreting Data Displays
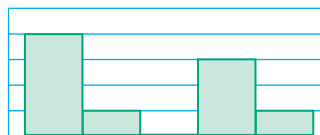
Use an appropriate display to show the distribution of a set of numerical data.

A **stem-and-leaf plot** organizes data based on their digits.

Stem	Leaves
1	0 1 1 2 3
2	0 0 0 2

Key: 1|0 = 10

A **histogram** shows the frequency of data on intervals of equal size, with no gaps or overlaps.

A **box-and-whisker plot** organizes data into four groups of approximately equal size.