

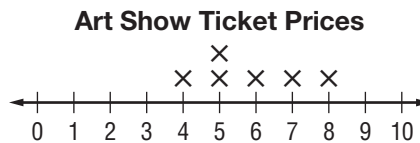
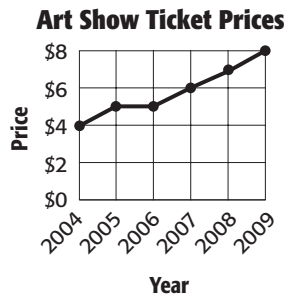
**2-8****Study Guide and Intervention****Selecting an Appropriate Display**

Data can be displayed in many different ways, including the following:

- A **bar graph** shows the number of items in a specific category.
- A **line graph** shows change over a period of time.
- A **line plot** shows how many times each number occurs in the data.
- A **stem-and-leaf plot** lists all individual numerical data in a condensed form.

**Example 1**

Which display allows you to see how art show ticket prices have changed since 2004.



The line graph allows you to see how the art show ticket prices have increased since 2004.

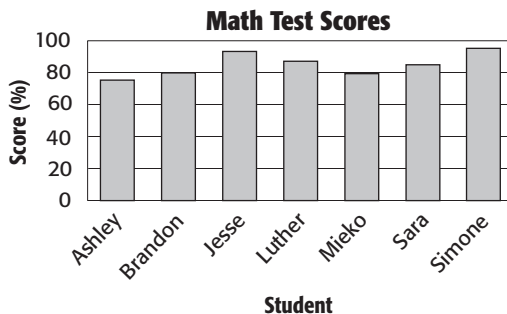
**Example 2**

What type of display would you use to show the results of a survey of students' favorite brand of tennis shoes.

Since the data would list the number of students that chose each brand, or category, the data would best be displayed in a bar graph.

**Exercises**

1. **GRADES** Which display makes it easier to see how many students had test scores in the 80s?



**Math Test Scores**

Stem	Leaf
7	5 9
8	0 5 8
9	2 3

$8|0 = 80\%$

2. **VOLLEYBALL** What type of display would you use to show the number of wins the school volleyball team had from 2000 to 2005?