



Review

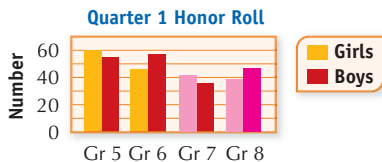
Do You Know How?

Collecting Data from a Survey (5-1)

Identify each statement as either a fact or an opinion.

- Football is the best high school sport.
Opinion
- In a class, 5 students have no siblings.
Fact

Bar Graphs (5-2); Make a Graph (5-5)



- If 41 grade 7 girls, 39 grade 8 girls, and 45 grade 8 boys made the honor roll, copy and complete the bar graph.
See above.

Line Graphs (5-3); Make a Graph (5-5)



- If the salary for working 8 hours is \$40 and the salary for working 10 hours is \$50, copy and complete the graph.
See above.

Stem-and-Leaf Plots (5-4)

Test scores on a fifth-grade math test were 77, 92, 76, 98, 82, 86, 88.

- Make a stem-and-leaf plot for the scores. **See above.**

Do You Understand?

- Sample answer: Since it expressed a like or dislike, it had to be an opinion.**
A Explain how you determined whether Exercise 1 was a fact or opinion.
See above.
- B** Write a survey question that might gather the information in Exercise 2.
Sample answer: How many siblings do you have?

- C. One represents boys and the other represents girls.**
C Explain what the different colored bars represent in the graph. **See above.**
- D** Is it possible to show the same information on a single bar graph? Explain why or why not.
No; A single bar could not show both the number of boys and the number of girls. A single bar graph could show the total number of students in each grade.

- E** Describe the trend in the data.
Increasing
- F** Explain how you completed the graph in Exercise 4.
Sample answer: I rewrote the data as the points (8, 40) and (10, 50). Then I plotted the points and drew the line.

- | Stem | Leaf |
|------|-------|
| 7 | 6 7 |
| 8 | 2 6 8 |
| 9 | 2 8 |

- G** Explain how you made the stem-and-leaf plot in Exercise 5.
Sample answer: First, I wrote the numbers in order from least to greatest. Then, I used the tens digits to determine the stems and the corresponding ones digits to determine the leaves.