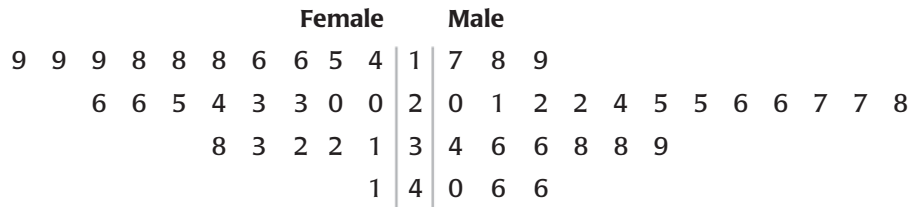


**GUIDED PRACTICE** for Examples 2 and 3

3. **TELEVISION** The back-to-back stem-and-leaf plot shows the percents of students in 24 countries who report watching television for 4 or more hours each day. *Compare* the data for female and male students.



Key: 4 | 1 | 7 = 14%, 17%

4. **PRECIPITATION** The average number of days each month with precipitation of 0.01 inch or more in Buffalo, New York, are 20, 17, 16, 14, 13, 11, 10, 10, 11, 12, 16, and 19. Make a histogram of the data.

13.7 EXERCISES

HOMEWORK KEY

= **WORKED-OUT SOLUTIONS**
on p. WS1 for Exs. 3 and 19

= **TAKS PRACTICE AND REASONING**
Exs. 8, 9, 20, and 23

SKILL PRACTICE

- VOCABULARY** Copy and complete: The number of data values in an interval is the ? of that interval.
- WRITING** *Explain* how a histogram differs from a bar graph.

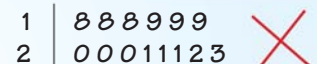
EXAMPLE 1

on p. 881
for Exs. 3–7

STEM-AND-LEAF PLOTS Make a stem-and-leaf plot of the data.

- 17, 31, 42, 33, 38, 20, 24, 30, 39, 38, 35, 20, 55
- 2, 8, 17, 7, 14, 20, 32, 5, 33, 6, 6, 8, 11, 9
- 121, 124, 133, 111, 109, 182, 105, 127, 156, 179, 142
- 1.23, 1.05, 1.11, 1.29, 1.31, 1.19, 1.45, 1.22, 1.19, 1.35

- ERROR ANALYSIS** *Describe* and correct the error in making a stem-and-leaf plot of the following data: 18, 19, 18, 19, 20, 20, 21, 22, 18, 19, 20, 21, 23, 21.

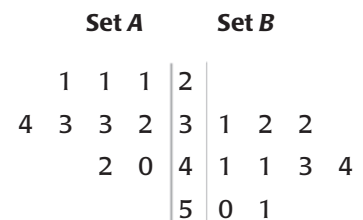
**STEM-AND-LEAF PLOT** In Exercises 8 and 9, consider the back-to-back stem-and-leaf plot that shows data sets A and B.

8. **TAKS REASONING** What is the median of data set A?

- (A) 21 (B) 32
(C) 33 (D) 34

9. **TAKS REASONING** What is the range of data set B?

- (A) 18 (B) 19
(C) 20 (D) 21



Key: 2 | 3 | 1 = 32, 31