

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Module 19** Analyzing Data and Statistics  
**Lesson 3** Analyzing and Describing Graphs



**additional  
practice**

Use the stem-and-leaf plot below to answer Questions 1–4.

27	3 4	$27 3 = 273$
28	2 4 4 6	
29	2 4 6 7	
30	5 6 7	

1. What is the value of the median?
  - a. 286
  - b. 289
  - c. 292
  - d. 29
2. Which values are in the lower half of the data set?
  - a. 273, 274, 282, 284, 286
  - b. 273, 274, 282, 284, 286, 292
  - c. 273, 274, 292
  - d. 292, 294, 296, 297, 305, 306, 307
3. What is the value of the third quartile?
  - a. 297
  - b. 301
  - c. 305
  - d. 282
4. What is the interquartile range?
  - a. 13
  - b. 15
  - c. 18
  - d. 23

**Graph. Create box-and-whisker plots from the given data.**

5. CA Average Gas Prices 1984–2003 (cents)

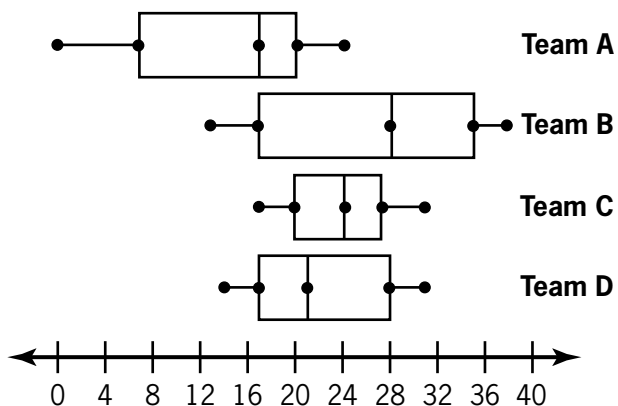
Minimum:	87
First Quartile:	110
Median:	119
Third Quartile:	134.5
Maximum:	190

6. Wins at End of Season

Team 1:	36	Team 6:	26
Team 2:	33	Team 7:	25
Team 3:	33	Team 8:	23
Team 4:	31	Team 9:	19
Team 5:	29	Team 10:	16

Use the box-and-whisker plots below to answer Questions 7–10.

Football Game Scores, by Team



7. Which team had the highest median score?
- Team A
  - Team B
  - Team C
  - Team D
8. Which team had the fewest points in a game?
- Team A
  - Team B
  - Team C
  - Team D
9. Which team had an interquartile range of 11?
- Team A
  - Team B
  - Team C
  - Team D
10. Which team probably scored most consistently from game to game?
- Team A
  - Team B
  - Team C
  - Team D
11. Find the five-number summary for the following data: 7, 8, 8, 12, 14, 16, 18, 21, 23, 25, 27, 29, 30, 31, 33.
12. Find the five-number summary for the data in the following stem-and-leaf plot:

5	2	
6	3 8	
7	0 2 5 7	
8	1 5 8	5 2 = 52
9	2 3 5 6	
10	0	

