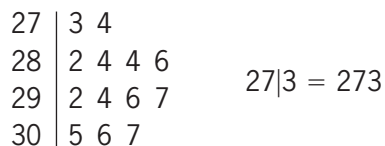


NAME _____

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.

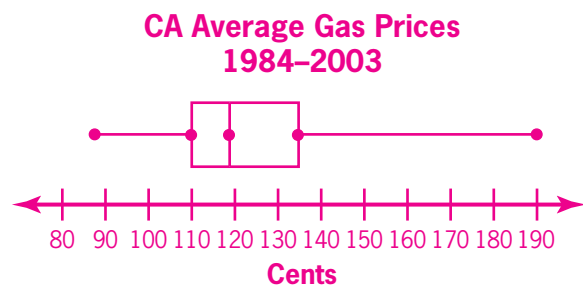


1. What is the value of the median?
a. 286
b. 289
c. 292
d. 29
2. Which values are in the lower half of the data set?
a. 273, 274, 282, 284, 286
b. 273, 274, 282, 284, 286, 292
c. 273, 274, 292
d. 292, 294, 296, 297, 305, 306, 307
3. What is the value of the third quartile?
a. 297
b. 301
c. 305
d. 282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

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

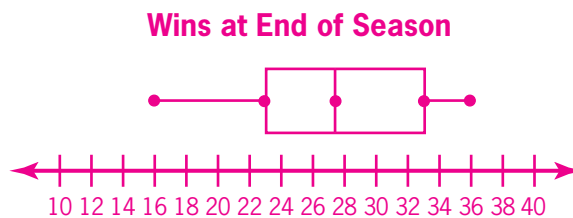
5. CA Average Gas Prices 1984–2003 (cents)

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



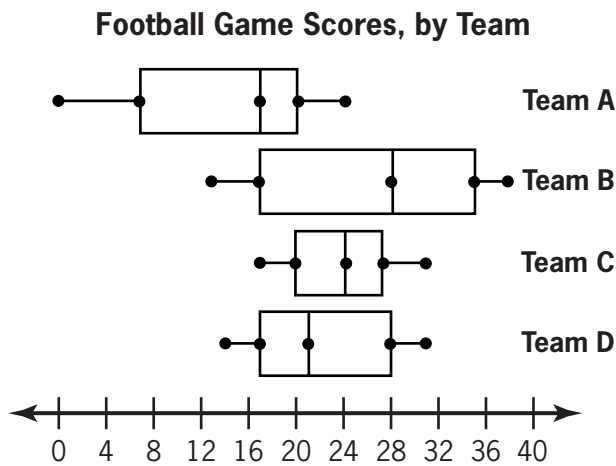
6. Wins at End of Season

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



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



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.
- Minimum: 7**
First Quartile: 12
Median: 21
Third Quartile: 29
Maximum: 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 | |
- Minimum: 52**
First Quartile: 70
Median: 81
Third Quartile: 93
Maximum: 100