

a. 133	a. 37
b. 143	b. 14
c. 144	c. 143
d. 147	d. 2

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

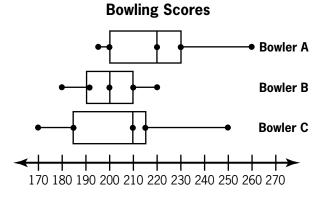
5. Number of Fish per Year in Long's Pond		6. Team Batting Averages			
Minimum:	89	Team 1:	0.291	Team 8:	0.240
First Quartile:	125	Team 2:	0.295	Team 9:	0.270
Median:	144	Team 3:	0.247	Team 10:	0.260
Third Quartile:	152	Team 4:	0.286	Team 11:	0.267
Maximum:	168	Team 5:	0.255	Team 12:	0.236
		Team 6:	0.263	Team 13:	0.231
		Team 7:	0.260	Team 14:	0.215

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



- **7.** Which bowler had the highest median bowling score?
 - a. Bowler A
 - b. Bowler B
 - c. Bowler C
- **9.** Which bowler had the broadest range of scores over the season?
 - a. Bowler A
 - **b.** Bowler B
 - c. Bowler C

- 8. Which bowler had the highest single game?
 - a. Bowler A
 - b. Bowler B
 - c. Bowler C
- **10.** Which bowler was probably the most consistent from game to game?
 - a. Bowler A
 - **b.** Bowler B
 - **c.** Bowler C

- Journal
- 1. What does the "box" in a box-and-whisker plot represent? Explain what it means if a box-and-whisker plot has a very long box with very short whiskers.
- **2.** Provide a scenario in which a box-and-whisker plot is only a vertical line (that is, it has no box and no whiskers). Explain your reasoning with an example.
- **3.** Maria surveyed the 19 students in her math class to determine the number of test questions each answered correctly on the last exam. She put the results in the following stem-and-leaf plot:

Maria determined that the median number of questions answered correctly was 79. Was she correct? Why or why not?

- **4.** Explain why it does not make sense to ask how many data values are in the third quartile of a given data set.
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Cumulative Review

Use the following data set to answer Questions 1–3: 5, 7, 8, 11, 12, 12, 14, 15, 16, 17, 20, 20, 20, 22, 23, 27, 27, 31, 35

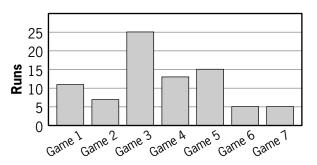
- 1. What is the mean of the data set?
- 2. What is the median value in the data set?
- 3. What is the mode of the data set?

Use the following data set to answer Questions 4–6: 2, 3, 4, 4, 4, 5, 6, 8, 18, 18, 19, 22, 23, 27, 32

- 4. What is the mean of the data set?
- 5. What is the median value in the data set?
- 6. What is the mode of the data set?

Use the charts to answer each question.

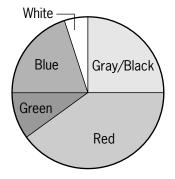
- 7. In which game were the most total runs scored?
- 8. In which games were the total runs the same?



Total Runs by Game — 1947 World Series

9. What color car is most common in the school parking lot?

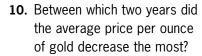
Color of Cars in School Lot

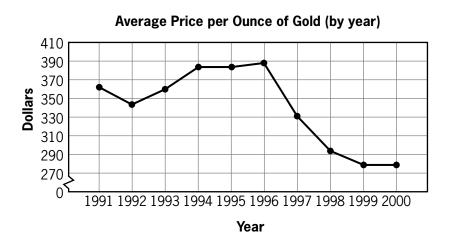


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