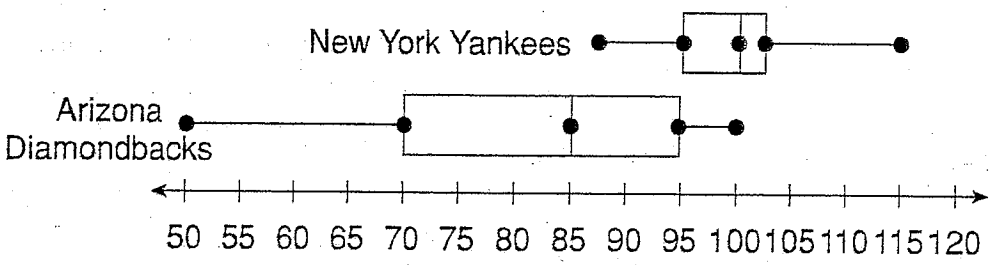


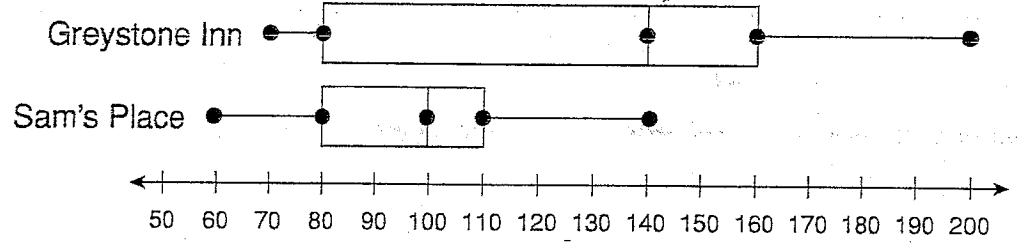
LESSON Practice B
7-5 *Box-and-Whisker Plots*

Use the box-and-whisker plot of games won per season by the New York Yankees and the Arizona Diamondbacks for 1998–2005 for Exercises 1–3.



1. Which team has the greater median number of games won? _____
2. Which team has the greater interquartile range of games won? _____
3. Which team appears to have a more predictable performance? _____

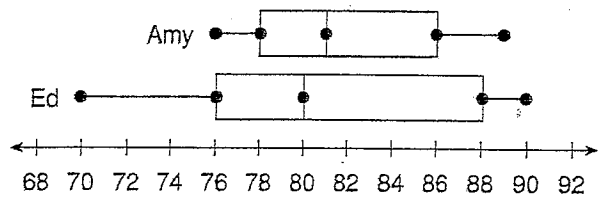
Use the box-and-whisker plot of nightly tip totals that a waitress gets at two different restaurants for Exercises 4–6.



4. At which restaurant is the median tip total greater? _____
5. At which restaurant is the interquartile range of tip totals greater?

6. At which restaurant does the tip total appear to be more predictable?

The box-and-whisker plot shows the test scores of two students. Use the box-and-whisker plot for Exercises 7–9.



7. Which student has the greater median test score? _____
8. Which student has the greater interquartile range of test scores?

9. Which student has the greater range of test scores? _____

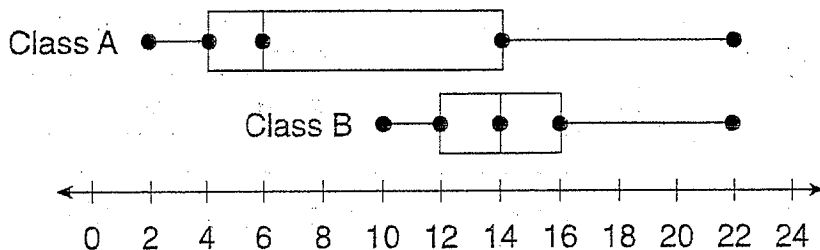
LESSON
7-5

Problem Solving

Box-and-Whisker Plots (continued)

Write the correct answer.

A fitness center offers two different yoga classes. The attendance for each class for 12 sessions is represented in the box-and-whisker plot.



10. Which class has a greater median attendance? How much greater is it?

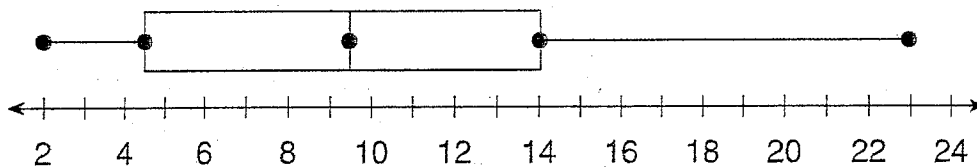
11. Which class appears to have a more predictable attendance?

12. Which class has an attendance of less than 14 people 75% of the time?

13. What percent of the time does Class B have an attendance greater than 16?

Choose the letter for the best answer.

The box-and-whisker plot shows the percent of people in eight Central American countries who used the Internet in 2005.



14. What is the range in the percents of people who used the Internet in the eight countries?

- A 23%
- B 21%

- C 14%
- D 9.5%

15. In how many of these eight countries did at least 9.5% of the people use the Internet?

- F less than 2
- G less than 4

- H at least 4
- J cannot be determined

16. What is the mode of the data?

- A 2%
- B 4.5

- C 9.5%
- D cannot be determined

17. What is the interquartile range of the data?

- F 23%
- G 21%

- H 14%
- J 9.5%