Lesson Check (CC.6.SP.4)

1. The values in a data set are 15, 7, 11, 12, 6, 3, 10, and 6. Where would you draw the box in a box plot for the data?
   - A from 3 to 11.5
   - B from 3 to 15
   - C from 8.5 to 15
   - D from 6 to 11.5

2. Which data set has a lower quartile of 18?
   - A 17, 24, 25, 19, 11, 6, 10
   - B 18, 22, 16, 15, 14, 9, 9
   - C 22, 26, 17, 11, 14, 22, 18
   - D 22, 27, 14, 21, 22, 26, 18
   - [14] [18] [21] [22] [22] [26] [27]

Spiral Review (CC.6.SP.1, CC.6.SP.5c, CC.6.SP.5d)

3. Which of the following is NOT a statistical question? (Lesson 12.1)
   - A What is the average number of school lunches bought per day?
   - B How many lunches did Mark buy this week?
   - C What is the most common drink ordered with a school lunch?
   - D On what day of the week does the cafeteria sell the most lunches?

4. The prices of several chairs are $89, $76, $81, $91, $88, and $70. What is the mean of the chair prices? (Lesson 12.6)
   - A $99.00
   - B $91.00
   - C $83.00
   - D $82.50

5. By how much does the mean of the following data set change if the outlier is removed? (Lesson 12.7)

   13, 19, 16, 40, 12
   - A It decreases by 5.
   - B It decreases by 40.
   - C It increases by 5.
   - D It increases by 40.

6. Where in the dot plot does a cluster occur? (Lesson 13.1)

   - A 50 to 58
   - B 52 to 54
   - C 55 to 56
   - D 55 to 58