Lesson Check (CC.6.SP.2)

1. Mary’s science test scores are 66, 94, 73, 81, 70, 84, and 88. Which of the following is true?
   A. The mean is greater than the median.
   B. The interquartile range is 81.
   C. Half of the scores are less than 70.
   D. The range is 28.

2. The heights in inches of students on a team are 64, 66, 60, 68, 69, 59, 60, and 70. Which of the following is NOT true?
   A. Half of the students are taller than 68.5 inches.
   B. The median is greater than the mean.
   C. The interquartile range is 8.5 inches.
   D. The range is 11 inches.

Spiral Review (CC.6.SP.4, CC.6.SP.5c, CC.6.SP.5d)

3. By how much does the median of the following data set change if the outlier is removed? (Lesson 12.7)
   26, 21, 25, 18, 0, 28
   A. It does not change.
   B. It increases by 2.
   C. It decreases by 2.
   D. It increases by 4.

4. Look at the box plot. What is the interquartile range of the data? (Lesson 13.2)

5. Erin is on the school trivia team. The table shows the team’s scores in the last 8 games. Erin wants to build confidence in her team so that they will do well in the last game. Which measure of center would be best for Erin to use to motivate her teammates? (Lesson 13.5)
   A. mean
   B. range
   C. mode
   D. median

   Could really be any of them:
   18 19 19 20 20 22 23 40

   Trivia Game Results
<table>
<thead>
<tr>
<th>Game</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Game 1</td>
<td>20</td>
</tr>
<tr>
<td>Game 2</td>
<td>20</td>
</tr>
<tr>
<td>Game 3</td>
<td>18</td>
</tr>
<tr>
<td>Game 4</td>
<td>19</td>
</tr>
<tr>
<td>Game 5</td>
<td>23</td>
</tr>
<tr>
<td>Game 6</td>
<td>40</td>
</tr>
<tr>
<td>Game 7</td>
<td>22</td>
</tr>
<tr>
<td>Game 8</td>
<td>19</td>
</tr>
</tbody>
</table>