Unit 06-01 Quiz

Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Justin and TJ are servers at a local restaurant. The table below shows the tips they earned.

<table>
<thead>
<tr>
<th>Day</th>
<th>Justin</th>
<th>TJ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>$32</td>
<td>$58</td>
</tr>
<tr>
<td>Tuesday</td>
<td>$45</td>
<td>$48</td>
</tr>
<tr>
<td>Wednesday</td>
<td>$50</td>
<td>$40</td>
</tr>
<tr>
<td>Thursday</td>
<td>$33</td>
<td>$42</td>
</tr>
<tr>
<td>Friday</td>
<td>$50</td>
<td>$42</td>
</tr>
</tbody>
</table>

Which student has a higher **median** tip for the week and by how much?

a. Justin’s median tip is $4 more than TJ’s median tip.
b. TJ’s median tip is $4 more than Justin’s median tip.
c. Justin’s median tip is $3 more than TJ’s median tip.
d. TJ’s median tip is $3 more than Justin’s median tip.

2. At a restaurant a manger recorded the sales for one of his servers named Damaria.

$52, $60, $48, $52, $46, $52, $28, $192, $71, $59

Which **center** should be used to best represent the data?

a. Damaria’s mean sale is $70.
b. Damaria’s median sale is $52.
c. Damaria’s mode sale is $52.
d. Damaria’s range of her sales is $164.

3. The number of cookies found in 10 different snack bags are shown below:

14, 12, 14, 13, 14, 14, 15, 14, 12

Which **center** should be used to best represent the data?

a. The **mean** number of cookies is 13.6.
b. The **median** number of cookies is 14.
c. The **mode** of the number of cookies is 14.
d. The **range** of the number of cookies is 3.
4. The following shows a list of a student’s homework grades for a grading period:

80, 90, 84, 86, 95

Which **center** should be used to best represent the data?

a. The **mean** grade is 87.
b. The **median** grade is 86.
c. The **mode** of the grades is 80.
d. The **range** of the grades is 15.

5. What is the **mean** of the following data set shown in the dot plot:

a. 7.6  
b. 8.5  
c. 9.5  
d. 9

6. What is the **mode** of the following data set shown in the dot plot:

a. 7.6  
b. 8.5  
c. 9.5  
d. 9

7. Consider the data set represented by the dot plot:

Which word best describes the **red** data point?

a. unbalanced  
b. third quartile  
c. outlier  
d. absolute deviation