Questions 1 – 6 refer to the following study: In a survey of 100 stocks on NASDAQ, the average percent increase for the past year was 9% for NASDAQ stocks. Match the number to the correct letter.

**EXERCISE 1**

The “average increase” for all NASDAQ stocks is known as the:

A. population  
B. statistic  
C. parameter  
D. sample  
E. variable

**EXERCISE 2**

All of the NASDAQ stocks are the:

A. population  
B. statistic  
C. parameter  
D. sample  
E. variable

**EXERCISE 3**

9% is the

A. population  
B. statistic  
C. parameter  
D. sample  
E. variable
**Exercise 4**

The 100 NASDAQ stocks in the survey are the:

A. population  
B. statistic  
C. parameter  
D. sample  
E. variable

**Exercise 5**

The percent increase for one stock in the survey is the:

A. population  
B. statistic  
C. parameter  
D. sample  
E. variable

**Exercise 6**

Would the data collected be qualitative, quantitative – discrete, or quantitative – continuous?

**Questions 7 – 8 refer to the following study:** Thirty people spent two weeks around Mardi Gras in New Orleans. Their two-week weight gain is below. (Note: a loss is shown by a negative weight gain)

<table>
<thead>
<tr>
<th>Weight Gain</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>-2</td>
<td>3</td>
</tr>
<tr>
<td>-1</td>
<td>5</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>13</td>
</tr>
<tr>
<td>6</td>
<td>2</td>
</tr>
<tr>
<td>11</td>
<td>1</td>
</tr>
</tbody>
</table>
**EXERCISE 7**

Calculate:

a. The average weight gain for the two weeks.
b. The standard deviation.
c. The first, second, and third quartiles.

**EXERCISE 8**

Construct a histogram and a box plot of the data.