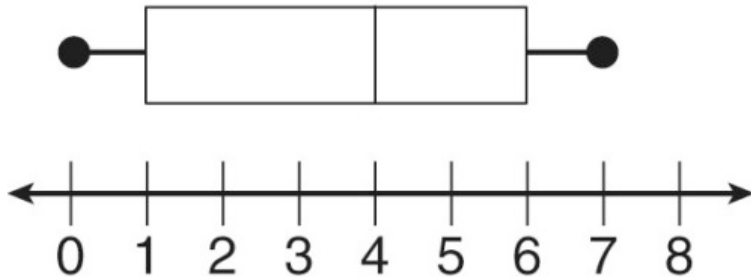# Analyzing Data Assessment

1.

What was the greatest number of points scored by a basketball player during the game on Saturday?

- [ ] 4
- [ ] 6
- [ ] 7
- [ ] 8

2.

78, 90, 94, 72, 80, 68, 72, 88, 94, 98, 86, 96

Which box-and-whisker plot correctly represents the data in the list?

- [ ] **Test Scores**

- [ ] **Test Scores**

- [ ] **Test Scores**

- [ ] **Test Scores**

3.

The numbers of leafhoppers found on potato leaves that were 3 to 6 inches in length are displayed in the box-and-whisker plot below.

Leafhoppers on Potato Leaves
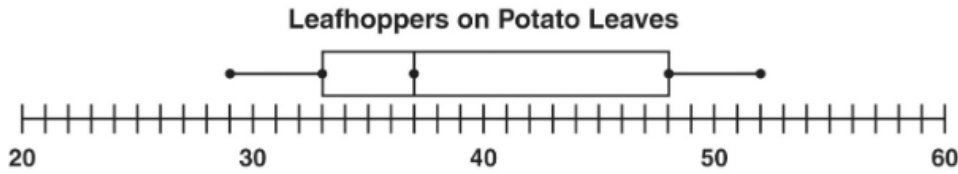
Which statement about the information presented in the graph is correct?

▢ The greatest number of leafhoppers found was 63.

▢ The greatest number of leafhoppers found was 50.

▢ The median number of leafhoppers found was 48.

▢ The median number of leafhoppers found was 37.

4.

Ace Clothing Store Sales for 12 Days

Day	Sales (dollars)
1	2,000
2	5,000
3	4,000
4	1,000
5	3,000
6	4,000
7	1,000
8	1,000
9	3,000
10	4,000
11	4,000
12	4,000

The box-and-whisker plot below inaccurately represents the data in the table because of several errors.

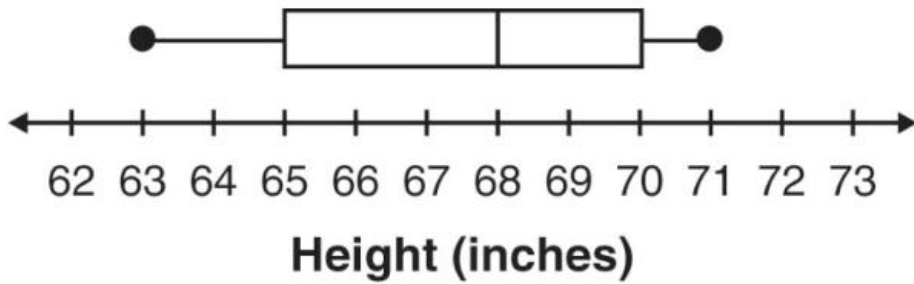**Ace Clothing Store Sales for 12 Days**

What part of the box-and-whisker plot accurately represents the data in the table?

▢ the median

▢ the lower quartile

▢ the middle 50% range

▢ the minimum and maximum amounts

5.

The box-and-whisker plot shows the heights of the boys on the middle school basketball team.

Height (inches)

What is the median height of the players, in inches?

☐ 67

☐ $67\frac{1}{2}$

☐ $67\frac{2}{5}$

☐ 68

6. Construct a box-n-whisker plot from the given line plot below:

The line plot shows the number of miles Habib hiked each of the past 18 days.

Miles Hiked

7.

The following list gives the diameters of various circular discs.

| 2.4 | 1.2 | 3.0 | 3.5 | 2.1 | 2.1 | 3.3 | 3.3 | 3.5 | 2.4 | 2.4 | 3.1 | 2.4 | 3.9 | 1.4 | 2.3 | 2.5 | 1.9 | 3.5 | 3.4 |

Hadden is constructing a histogram using this data. The first thing he does is set up a frequency table. Complete this table by placing the frequencies in their correct positions.

Ranges	Frequency
1.1–2.0	1: Drag answer here
2.1–3.0	2: Drag answer here
3.1–4.0	3: Drag answer here

For questions 8-10 use the data below.

Julio tracked the number of emails he received each day as given in the following table.

22	55	46	39	16
74	24	83	91	60
12	17	48	46	39
77	92	32	92	63
54	12	64	38	46

8. Construct a box-n-whisker plot and calculate the interquartile range?

9. Construct a line plot and calculate the mode?

10. What is the median?