

## Gaps and Clusters

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. There are 15 girls on the Cardinals basketball team. The table shows intervals of points and the number of players who scored within each interval during one season.

Points	Number of Players
101–120	3
81–100	0
61–80	4
41–60	0
21–40	5
0–20	3

What are the three intervals that contain clusters of data?

- I. 0–40  
II. 41–60  
III. 61–80  
IV. 81–100  
V. 101–120
- A. I, II and III                      B. I, III and V  
C. II, III and V                      D. III, IV and V

2. What are the two intervals that contain gaps in the data?

- I. 0–40  
II. 41–60  
III. 61–80  
IV. 81–100  
V. 101–120

- A. I and II                              B. I and III  
C. II and IV                            D. III and V

3. The number of phone calls received by an internet service provider (ISP) were recorded for 15 days. The following stem-and-leaf plot was drawn for the data.

1	2 3 4 4
2	2
3	5 8 8
4	1 2 3 3 4 7
5	2

Which two of these statements could explain the gaps and clusters?

- I. The number of calls on weekends is different from weekdays.  
II. All payments must be made during the first 10 days of a month.  
III. The company had a two-week promotional offer for new subscribers.  
IV. Customers are not satisfied with the service.

- A. I and II                              B. I and III  
C. I and IV                            D. II and IV