Name _____ Date _____

Using and Comparing Data Representations

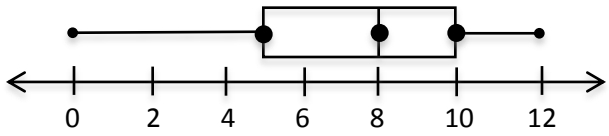
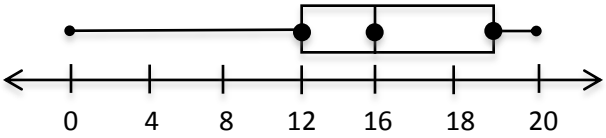
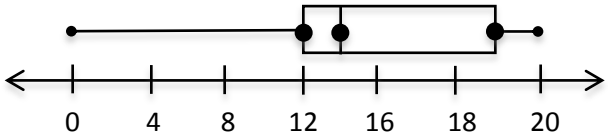
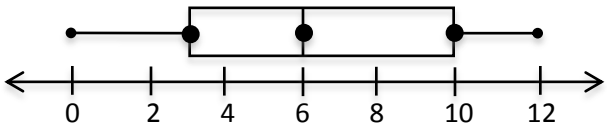
Explore

Cards for Part 1:

{69, 48, 57, 28, 88, 48, 29, 32, 63, 92}
{89, 39, 100, 88, 29, 63, 78, 29, 55, 48}
{96, 74, 32, 55, 92, 57, 100, 39, 55, 78}
{88, 57, 29, 55, 10, 63, 48, 26, 82, 88}

Name _____ Date _____

Cards for Part 2:

{0, 10, 3, 10, 3, 12, 4, 6, 8}	
{12, 8, 5, 6, 0, 10, 10}	
{20, 19, 12, 0, 12, 19, 13, 15}	
{12, 16, 0, 14, 19, 18, 20}	

Name _____ Date _____

Part 1: Stem-and-Leaf Plots

Directions: Cut out the solution cards and paste the correct ones in the box with the appropriate dot plot. Determine the mean, median, and mode for each data set. Answer the debriefing questions that follow.

1	
2	
3	2 9
4	
5	5 5 7
6	
7	4 8
8	
9	2 6
10	0

Mean: _____

Median: _____

Mode: _____

1	0
2	6 9
3	
4	8
5	5 7
6	3
7	
8	2 8 8
9	
10	

Mean: _____

Median: _____

Mode: _____

Name _____ Date _____

1	
2	8 9
3	2
4	8 8
5	7
6	3 9
7	
8	8
9	2
10	

Mean: _____

Median: _____

Mode: _____

1	
2	9 9
3	9
4	8
5	5
6	3
7	8
8	8 9
9	
10	0

Mean: _____

Median: _____

Mode: _____

Debriefing Questions:

1. How did you determine the mode in each of the data sets?

2. How did you determine the median in each of the data sets?

Name _____ Date _____

Part 2: Box Plots Card Sort

Directions: Paste each cut out box plot next to the data it represents.

{0, 10, 3, 10, 3, 12, 4, 6, 8}	
{12, 8, 5, 6, 0, 10, 10}	
{20, 16, 13, 0, 12, 19, 13, 15}	
{12, 16, 0, 14, 19, 18, 20}	

Debriefing Questions:

3. How can you identify the first (lower) quartile and third (upper) quartile from a box plot?

4. How can you identify the minimum and maximum values from a box plot?

5. How did you match the data set with the box plot?