Algebra 1 Name:_____
Stem-and-Leaf and Box-and-whisker plots
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Make a stem-and-leaf plot from the given data. Do not forget a key!

1. Data set: **13, 25, 33, 18, 18, 41, 57, 63, 22, 35, 28**

2.

Widths of Street Lots	
Stem	**Leaf**
9	0 5
10	0 0 0 4 8
11	0 0 0 0 0 5 5 5
12	0
Key: 9 | 0 means 90 feet wide.	

a. List the data in order from least to greatest.

b. How many lots are at least 110 feet wide?

c. What is the mode?

3.

Ages of Parents	
Stem	**Leaf**
3	1 4 4 9
4	0 0 0 1 2 3 5 7
5	2 3
Key: 3 | 1 = 31 years old	

List the data in order from least to greatest.

a. How old is the youngest parent?

b. Find the measures of central tendency and range for the given stem-and-leaf plot

$\bar{x}$=

Median=

Mode=

Range=

c. Mariah's parents are 58. Given the data, would that be an appropriate age of a parent, or is that an outlier?

4. **Courtney's scores**

Game Scores	
Stem	**Leaf**
19	7 7
20	5 6
21	1
22	3 9
23	0 8 8
24	
25	2
Key: 19	7 = 197 points

List the data in order of least to greatest.

a. How many times did Courtney play the game?

b. What is the range of Courtney's scores?

c. Byron's mean score is 218. How does Byron compare to Courtney?

d. State the 1st, 2nd, and 3rd, quartiles.

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3.	4.	5.
6.	7.	8.

10.

Q1:_____ Q2: _____ Q3: _____

12.

Q1:_____ Q2: _____ Q3: _____

13

Q1:_____ Q2: _____ Q3: _____

14.

Q1:_____ Q2: _____ Q3: _____

16. a.

b.

c.

17. a.

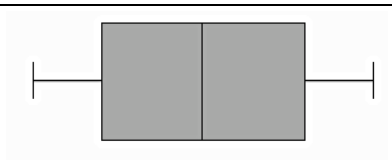
b.

c.

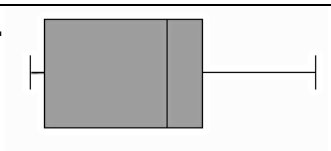
Matching: Match the box-and-whisker plot with the correct shape (may be used more then once).

A. Skewed left **B. Skewed Right** **C. Symmetric**

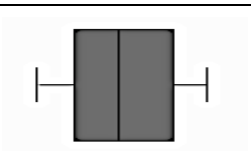
1.



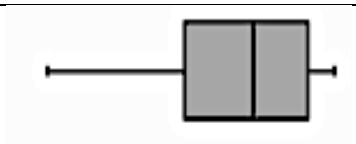
2.



3.



4.



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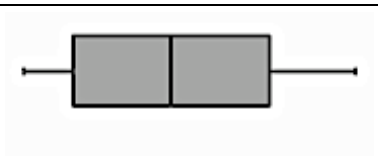

6.