10.1 Stem and Leaf Plots Name _____

I can summarize data by explaining how the distribution of the data on a graph determines its measure of center.

Notes:

A **Stem and Leaf Plot** – uses the digits of data values to organize a data set.

Data Set: 20, 20, 21, 22, 25, 27, 31, 34, 38, 42, 58, 59

Stem	Leaf
2	0 0 1 2 5 7
3	1 4 8
4	2
5	8 9

Key: 2|0 = 20

Stem – digit or digits on the left

Leaf – digit or digits on the right

Key – explains what stems and leaves represent.

Making conclusions from a Stem and Leaf Plot:

Which statement is *not* true?

Ⓐ Most of the plants are less than 20 inches tall.

Ⓑ The median plant height is 11 inches.

Ⓒ The range of the plant heights is 35 inches.

Ⓓ The plant height that occurs most often is 11 inches.

Plant Heights

Stem	Leaf
0	1 2 4 5 6 8 9
1	0 1 1 5 7
2	2 5
3	6

Key: 1|5 = 15 inches

There are 15 plant heights. So, the median is the eighth data value, 10 inches.

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Make a stem-and-leaf plot of the data.

1) Books Read: 26, 15, 20, 9, 31, 25, 29, 32, 17, 26, 19, 40

2) Minutes in Line: 4.0, 2.6, 1.9, 3.1, 3.6, 2.2, 2.7, 3.8, 1.6, 2.0, 3.1, 2.9

3) Choose the set of data from your class's spreadsheet that you used for lesson 9.2.

List the letter of your data: _____

Make a stem-and-leaf plot of the data.

(Use the back if you need more room.)