Stem-and-Leaf Plots

A **stem-and-leaf** plot is a frequency display that shows groups of whole numbers arranged by place value. Look at the stem-and-leaf plot at the right. The first row has a stem of 4 and a leaf of 8, and represents the number 48.

Stem	Leaves
4	8
5	1 1 7

Think: 4 | 8 represents 48.

The numbers displayed by a stem-and-leaf plot are always arranged from least to greatest. The leaves column displays the ones digits of the numbers. The stem column displays all of the other place values.

The second row of the stem-and-leaf plot above represents three numbers because it has three leaves. What three numbers does the second row represent? (Hint: Two numbers are the same.)

__51__, __51__, and __57__

The list at the right shows the number of students in each of ten classes at Carter Elementary School. Use the data for 1–4 and complete the stem-and-leaf plot.

Number of Students				
18	20	21	19	19
19	17	22	16	21

1 Write the numbers in order from least to greatest.

__16__, __17__, _____

2 Write the tens digit of the numbers 16, 17, 18, 19, 19, and 19 in the Stem column of the first row.

3 Write the tens digit of the numbers 20, 21, 21, and 22 in the Stem column of the second row.

4 Write the ones digits in the Leaves column of each row.

Number of Students

Stem	Leaves

Key: 1 | 6 represents 16 students.