Name: _____

Stem-and-Leaf Plots

Stem-and-leaf plots show data frequency by emphasizing place value.

1. Organize your data set from least to greatest.
   19, 30, 41, 19, 32, 14 → 14, 19, 19, 30, 32, 41
2. Draw a T-chart and choose stem and leaf place values. Tens and ones are most common.
3. Write the stems. Do not skip numbers.
4. Write the leaves, matched to their stems, *in order*.
5. Add a key and, if there is context, a title.

stem	leaf
1	4 9 9
2	
3	0 2
4	1

Key: 3|0 = 30

Complete the stem-and-leaf plot for each data set.

stem	leaf

Key: 2|3 = 23

How many nights of data are collected? _____

How many nights did Santino read more than 30 pages? _____

Name: _____

Stem-and-Leaf Plots

2. Noa asks her classmates on which day of the month they were born.

28, 19, 7, 30, 12, 6, 3, 12, 24, 29, 18, 20, 1, 16, 21, 30, 9, 26, 3, 31, 24

Day of the Month Born

stem	leaf

Values in order:

How many classmates _____
does Noa have?

How many birthdays _____

Minutes Spent on Hold

stem	leaf

**Values
in order:**

How many calls has Mr. Roy _____
recorded data for?

How many calls had wait _____
times less than 15 minutes?

Key: 0|2 = 2

ANSWER KEY

Stem-and-Leaf Plots

Stem-and-leaf plots show data frequency by emphasizing place value.

1. Organize your data set from least to greatest.
   19, 30, 41, 19, 32, 14 → 14, 19, 19, 30, 32, 41
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5. Add a key and, if there is context, a title.

stem	leaf
1	4 9 9
2	
3	0 2
4	1

Key: 3|0 = 30

Complete the stem-and-leaf plot for each data set.

stem	leaf
0	0 0 8 9
1	1 2 6
2	1 5 5 7 9
3	
4	1 6 8 8
5	2 8

Key: 2|3 = 23

0, 0, 8, 9, 11, 12, 16, 21, 25, 25,

27, 29, 41, 46, 48, 48, 52, 58

How many nights of data are collected? **18**

How many nights did Santino read more than 30 pages? **6**

Stem-and-Leaf Plots

2. Noa asks her classmates on which day of the month they were born.

28, 19, 7, 30, 12, 6, 3, 12, 24, 29, 18, 20, 1, 16, 21, 30, 9, 26, 3, 31, 24

Day of the Month Born

Values in order:

stem | **leaf**

1, 3, 3, 6, 7, 9, 12, 12, 16, 18, 19,

| 4 | 5 8 |

recorded data for?

How many calls had wait times less than 15 minutes?   **12**

Key: 0|2 = 2