Name: _____

Stem-and-Leaf Plots

Stem-and-leaf plots are one way to display the frequency of values in a data set. They arrange data by emphasizing place value. Each stem-and-leaf plot includes a key that shows what place values the stems and leaves represent.

To make a stem-and-leaf plot:

1. Organize your data set from least to greatest.
2. Draw a T-chart and choose the stem and leaf place values.
3. Write the data set's stems in the left column, but **do not** skip any numbers.
4. Write the leaves in the right column, matched to their stems, *in order*.
5. Add a key and title.

Preview
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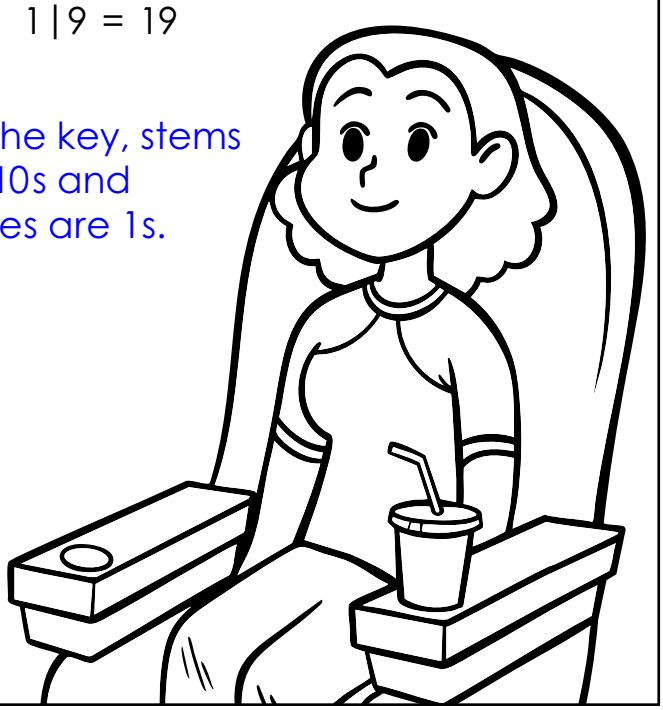
Number of [illegible] Highest-rated Films Seen

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

The 5 stem is included even though there are no values in the 50s, highlighting the gap in the data.

Key: 1 | 9 = 19

Per the key, stems are 10s and leaves are 1s.



Name: _____

Stem-and-Leaf Plots

Pay attention to the key. Most plots use 10s and 1s places, but not all.

Weight of Engagement Rings (grams)

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

Key: 3 | 5 = 3.5

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Spring Quiz & Test Scores

stem	leaf
8	5 6 7 9
9	2 5 8
10	0 2

Key: 8 | 5 = 85

A 10 in the 10s stem goes into the 100s.
The above shows 100 and 102.