

Lesson 7.12 Plotting Data: Stem-and-Leaf Plots

A set of data can be organized into a **stem-and-leaf plot** by using place values.

87, 38, 35, 76, 48, 57, 68, 44, 63, 49, 63, 64, 71

The tens digits are the stems and the ones digits are the leaves.

Stem	Leaves
3	5 8
4	4 8 9
5	7
6	3 3 4 8
7	1 6
8	7

This allows you to see the least (35), the largest (87), the range (52), the median (63), and the mode (63).

Key: 3 | 5 = 35

Create a stem-and-leaf plot for each set of data. Include a key for each plot.

a

1. 14, 31, 34, 21, 13, 28, 33

b

63, 38, 72, 54, 50, 79, 64, 39, 57, 49

2. 48, 38, 34, 25, 27, 37, 49

88, 96, 99, 75, 87, 93, 81, 84, 91, 73

3. 19, 25, 38, 17, 24, 33, 13

26, 37, 25, 33, 35, 46, 27, 45, 23, 41