

Name: Class:

Create stem-and-leaf plots

a. The data below shows the temperatures for the month of July. Use this data to create a stem-and-leaf plot.

87, 89, 80, 59, 60, 74, 75, 75, 79, 89, 89, 79, 80, 59, 60, 60, 84, 84, 84, 63, 70, 80, 81, 61, 62, 74, 87, 87, 70, 70, 81, 83, 61, 63,

b. The weights(kg) of people that visits sam's gym are given below. Use this information to create a stem-and-leaf plot.

70, 70, 70, 78, 78, 78, 78, 80, 81, 81, 82, 82, 84, 84, 84, 84, 84, 86, 86, 87, 87, 87, 90, 90, 91, 91, 91, 93, 93, 97, 97, 97, 97.



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87, 89, 80, 59, 60, 74, 75, 75, 79, 89, 89, 79, 80, 59, 60, 60, 84, 84, 84, 63, 70, 80, 81, 61, 62, 74, 87, 87, 70, 70, 81, 83, 61, 63,

Let's first of all arrange the data in ascending order.

59, 59, 60, 60, 60, 61, 61, 62, 63, 63, 70, 70, 70, 74, 74, 75, 75, 79, 79, 80, 80, 80, 81, 81, 83, 84, 84, 84, 87, 87, 87, 89, 89, 89.

Secondly, let's begin with the smallest number in the data with the digit in the tens place representing the stem and the digit in the ones place representing the leaf.

That is for 59, let's write 5 under the stem column and the digits (9, 9) under the leaf column to represent the numbers 59 and 59.

Also, for numbers (60 to 63), let's write 6 under the stem column and the digits (0, 0, 0, 1, 1, 2, 3, 3) on the leaf column to represent the numbers 60, 60, 60, 61, 61, 62, 63, 63, 63. Do this for the rest of the data.

Temperatures (July)	
Stem	Leaf
5	9, 9
6	0, 0, 0, 1, 1, 2, 3, 3
7	0, 0, 0, 4, 4, 5, 9, 9
8	0, 0, 1, 1, 1, 3, 4, 4, 4, 7, 7, 9, 9, 9

- b. The weights(kg) of people that visits sam's gym are given below. Use this information to create a stem-and-leaf plot.

70, 70, 70, 78, 78, 78, 78, 80, 81, 81, 82, 82, 84, 84, 84, 84, 84, 86, 86, 87, 87, 87, 90, 90, 91, 91, 91, 93, 93, 97, 97, 97, 97.

Weights in kg	
Stem	Leaf
7	0 0 0 8 8 8 8
8	0 1 1 2 2 4 4 4 4 6 6 7 7 7
9	0 0 1 1 1 3 7 7 7 7

