

Name: Class:

Create stem-and-leaf plots

- a. For his course project, Anthony recorded the ages of all his course-mates
18, 22, 21, 17, 18, 20, 26, 31, 30, 27, 19, 19, 20, 22, 25, 30, 40, 40, 38, 32, 37, 40, 38, 38.
Use the data to complete the stem-and-leaf plot below.

Ages	
Stem	Leaf
1	
2	
3	
4	0 0 0



- b. The data from the production of numbers of food cans at a food industry for 3 weeks are given below;
56, 22, 45, 24, 12, 13, 39, 15, 34, 26, 45, 51, 18, 38, 26, 55,
Use the data to complete the stem-and-leaf plot below.

Food production	
Stem	Leaf
1	
2	
	4 8 9
4	

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- a. For his course project, Anthony recorded the ages of all his course-mates 18, 22, 21, 17, 18, 20, 26, 31, 30, 27, 19, 19, 20, 22, 25, 30, 40, 40, 38, 32, 37, 40, 38, 38. Use the data to complete the stem-and-leaf plot below.

Ages	
Stem	Leaf
1	7 8 8 9 9
2	0 0 1 2 2 5 6 7
3	0 0 1 2 7 8 8 8
4	0 0 0



In the stem - and - leaf plot, the stem is the first digit and the leaf is the last digit of the number. Arrange the given data from least to greatest. For example, if we take the stem in the missing row is 1. We can write the following leaves 7, 8, 8, 9, and 9 in to row 1 to represent 17, 18, 18, 19 and 19.

- b. The data from the production of numbers of food cans at a food industry for 3 weeks are given below; 56, 22, 45, 24, 12, 13, 39, 15, 34, 26, 45, 51, 18, 38, 26, 55. Use the data to complete the stem-and-leaf plot below.

Food production	
Stem	Leaf
1	2 3 5 8
2	2 4 6 6
3	4 8 9
4	5 5
5	1 5 6

In the stem-and-leaf plot, the stem is the first digit and the leaf is the last digit of the number.

To complete the stem and leaf plot, the given data must first of all be arrange from least to greatest. That is 12, 13, 15, 18, 22, 24, 26, 26, 34, 38, 39, 45, 45, 51, 55, 56.

Secondly, let's find the missing stem.

From the arranged numbers, pick out the first digit of the greatest number.