

## Stem-and-Leaf Plots

1. Build a stem-and-leaf plot for the following data set of test scores:  
77, 90, 82, 68, 65, 59, 61, 57, 50, 60, 91, 70, 69, 64, 77, 70, 87, 80
- a) How many different values are in the ten's place?
- b) Start a stem-and-leaf plot by writing the values for the stems in ascending order. A table is started for you.

Stem
5
6

- c) Write the one's values in the leaf column for each number. Cross out the values as you enter them. For example, ~~77~~, 90, 82, 68, 65, ... .

Stem	Leaf
5	
6	8 5
7	7
8	2
9	0

- d) Rearrange the leaves in ascending order.

Stem	Leaf
5	0 7 9
6	0 1 4 5 8 9
7	
8	
9	



Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 2-3**

(continued)

2. Use this stem-and-leaf plot to answer the questions about the number of text messages sent per student per day.

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

- a) How many students are represented in the plot?  
b) What is the largest number of text messages sent per day? the smallest?  
c) Which value occurs the most frequently?  
d) Which value is the middle value?
3. Use the age of people who attended a track meet to complete the questions.  
12, 17, 15, 14, 9, 17, 13, 18, 24, 10, 23, 8, 12, 23, 15, 14, 13, 5, 17, 8, 7,  
9, 15, 16, 13, 20, 21
- a) How many stems will be needed to build a stem-and-leaf plot?  
b) Build the stem-and-leaf plot for the data.

Stem	Leaf

- c) Which age group was the most widely represented?  
d) What is the age difference between the oldest and youngest person attending?  
e) Which age(s) occurred the most frequently?  
f) Which age is the middle value?

