



Name _____ Date _____

Stem-and-Leaf Plots (pages 68–70)

You can make a large data set easier to read with a **stem-and-leaf plot**. The **stems** are the tens digits. The **leaves** are the units digits.

Drawing a Stem-and-Leaf Plot	Find the digits in the tens place for the least and the greatest numbers. <ul style="list-style-type: none"> • Draw a vertical line and write the tens digits in order for the stems. • Write the units digits, or leaves, to the right of their stems. • Arrange the leaves in order from least to greatest. Include a key.
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EXAMPLE

Make a stem-and-leaf plot of this data that shows how many students are in each sixth grade class.

15, 34, 20, 31, 17, 26, 24, 29, 26, 31

The stems are 1, 2, and 3.

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

115 = 15 students

Try These Together

1. How many classes are there in the data set in the Example?

HINT: Count the numbers in the data set.

2. What interval contains half of the class sizes?

HINT: Which stem has the most leaves?

PRACTICE

Determine the stems for each set of data.

3. 13, 8, 12, 44, 26, 33, 15

4. 25, 64, 35, 22, 68, 71, 84, 14, 56, 41

Make a stem-and-leaf plot for each set of data.

5. 2, 5, 16, 22, 15, 14

6. 24, 25, 38, 34, 46, 58

7. **Aviation** Adrian’s mother is an airline pilot. One week, he counted the number of hours she flew each day. Make a stem and leaf plot of the data.

12, 8, 2, 6, 10, 5



8. **Standardized Test Practice** This stem-and-leaf plot shows how many times Dara’s classmates log on to the Internet each week. In which interval do most of the times fall?

A 12–18 times

B 21–24 times

C 1–8 times

D 0–10 times

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

211 = 21

Answers: 1. 10 2. 20–29 3. 0, 1, 2, 3, 4 4. 1, 2, 3, 4, 5, 6, 7, 8 5–7. See Answer Key. 8. A