

# Stem-and-Leaf Plots

The data file shows how many minutes the students in Mr. Anchor's class have read so far this week.

## Data File

**Minutes Read by Students  
in Mr. Anchor's Class:**

35, 23, 27, 31, 26, 24, 19, 41

Here is how to represent the data in a stem-and-leaf plot:

**Step 1** Write a title.

**Step 2** Draw two columns and label them *Stem* and *Leaf*.

**Step 3** Write the tens digit from the data in order from least to greatest in the *Stem* column.

**Step 4** Next to each tens digit, in the *Leaf* column, write the ones digit for each data value from least to greatest.

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

- Complete the stem-and-leaf plot to represent the data below.

Green Family Height (in inches)		
49	48	54
57	53	72
68	62	64

## Green Family Heights

Stem	Leaf

- Find the median, mode, and range of the data.

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- Reasoning** If you remove the greatest height, will the range increase or decrease? Explain.

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\_\_\_\_\_

\_\_\_\_\_

# Stem-and-Leaf Plots

The chart at the right shows how far the girls in Shelly's Girl Scout troop could throw a softball.

Softball Throw Distance (Ft)

44	40	48	35	38	51
55	36	32	47	29	28
54	33	42	36	50	41

1. Represent the data as a stem-and-leaf plot.

2. Find the median, mode, and range of the data.
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The prices of items in dollars in two stores are displayed in the stem-and-leaf plots.

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

3. What is the range of prices for each store?
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4. Which store has the greater mean?
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## Test Prep

5. Use the stem-and-leaf plots above. Which is the mode for Store 2?  
 A. 29                      B. 21                      C. 20                      D. 9
  6. **Writing In Math** Explain what a store owner might learn by doing a stem-and-leaf plot of the prices of items in her store.
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