

3/11/10

Objective:

TSWBAT use stem-and-leaf plots.



objective

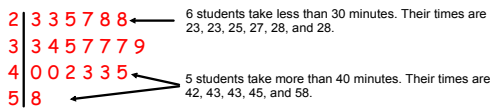
Vocabulary

**stem-and-leaf plot:** a graph that uses the digits of each number to show the shape of the data.

vocab

Reading a Stem-and-Leaf Plot

Times to Get Ready For School  
(minutes)



key: 2|3 means 23 minutes

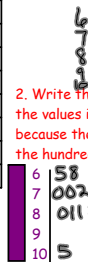
- How many students take 37 minutes? **3**
- What is the range of the data? **717 ÷ 20 = 35.85**
- What is the mean of the data?
- What is the mode of the data? **37**

reading s&l plot

Making a Stem-and Leaf Plot

Hourly Wages	
\$8.20	\$7.00
\$7.30	\$8.90
\$7.20	\$8.30
\$8.00	\$7.00
\$7.70	\$7.60
\$8.10	\$8.70
\$8.10	\$7.30
\$7.20	\$10.50
\$7.60	\$8.50
\$6.50	\$6.80

1. Write the stems in order. Use the whole number part. Draw a vertical line to the right of the stems.



2. Write the leaves in order. Use the values in the tenths place because there is no nonzero digit in the hundredths place.

3. Choose a title and key to explain what your stems and leaves represent.



Hourly Wages

Key: 6|5 means \$6.50

make s&l plot

Practice:

1. Make a stem-and-leaf plot of the data: 137, 125, 145, 123, 181, 132, 155, 141, 140, 133, 138, 127, 150, 126, 124, 130, 125, 138, 144, 121, and 136. (hint: use the one's digit for the leaves)

Use the stem-and-leaf plot to the right.

2. What does 0|8 represent?

3. How many entries have a value of 15?

Number of Seconds Customers Hold On



Key: 0|7 means 7 seconds

4. How many customers waited less than 9 seconds?

practice