Key

Vocabulary

he Plot (or Dot Plot) — a visual display of a distribution of data values where each data value is shown as a dot or "x" ______ a number line.

Steps to making a Line Plot:

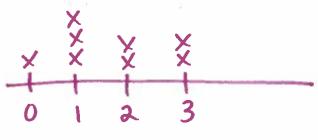
- 1. Draw and label a number line.
- 2. Place as many "x" above each number as there are responses for that number.
- 3. Write a 1110.
- 4. Describe the data. Make sure to include measures of <u>center</u> and <u>variation</u>.

Guided Practice:

1. Jasmine asked her class how many pets they had. The results are shown in the table. Make a line for the set of data. Describe the data. Include the measures of center and variability.

Number of Pets											
1	7	7	×	X	8	1	þ				





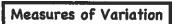
Number of Pets

Measures of Center

Mean:

Median: 1.5

Mode:



Range:
$$3-0=3$$

<u>First Quartile:</u>

Third Quartile: 2.5

Interquartile Range: 2.5-1 = 1.5

Outliers:

none

2. Make a line plot for the set of data. Describe the data. Include the measures of center and variability.



Calories i	n Serving	of Peanut	Butter
190	160-	-210	-210
200	185	190	190
189	-200	190	- 210
190	185	200	200

166, 188, 188, 188 | 190, 190, 190, 190, 190, 200, 200, 200, 200, 200, 210, 210,

Measures of Center

Mean: は1 3095 #2 3095:16=193.4

Median: 190

Mode: 190

*Desotibe:

Measures of Variation

Range: 210 - 160 = 50

First Quartile: 187.5

Third Quartile: 200

Interquartile Range: 200 - 187.5 = 12.5

Outliers: 160

Building on Essential Question - How is using a line plot useful to analyze data?

on a line plot, the mode, range, to outliers are easily seen. It also gives you a visual of all the data.

Rate Yourself

How confident are you about line plots? Check the box that applies.

