

Content and Language Objectives

Students will create and interpret stem-and-leaf plots and explain in what situation it is appropriate to use the stem-and-leaf plots after:

a.) exploring the characteristics of stem-and-leaf plots

b.) discussing with a partner why stem-and-leaf plots might be useful

WARM UP

EVALUATE: $\frac{12 + 15 + 20}{3} = \frac{47}{3}$

EVALUATE: $\frac{16 + 15 + 25}{4} = \frac{56}{4} = 14$

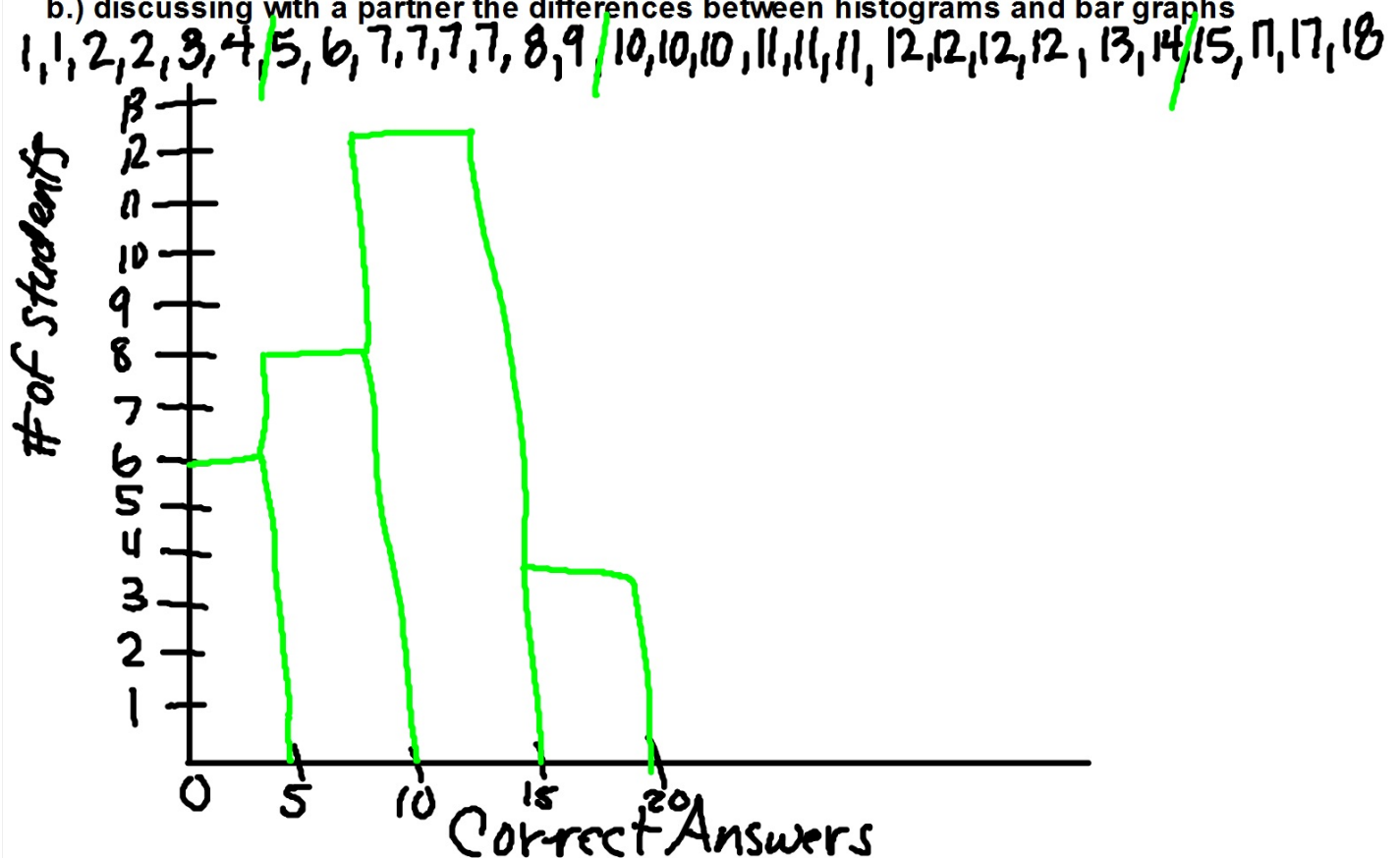
$$\begin{array}{r} 15.6\bar{6} \\ 3 \overline{) 47.0} \\ \underline{3} \\ 17 \\ \underline{15} \\ 20 \\ \underline{18} \\ 20 \end{array}$$

Content and Language Objectives

Students will create and interpret histograms and explain in what situation it is appropriate to use the histogram after:

a.) exploring the characteristics of histograms

b.) discussing with a partner the differences between histograms and bar graphs



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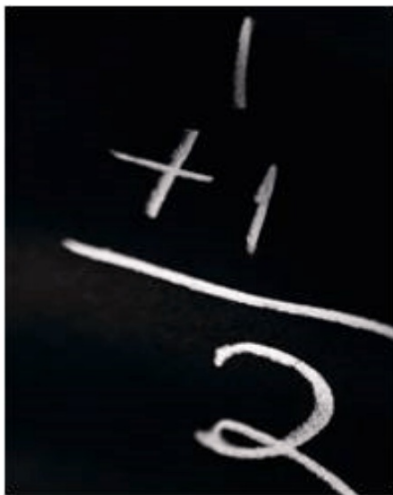


Stem and Leaf Plots!!!

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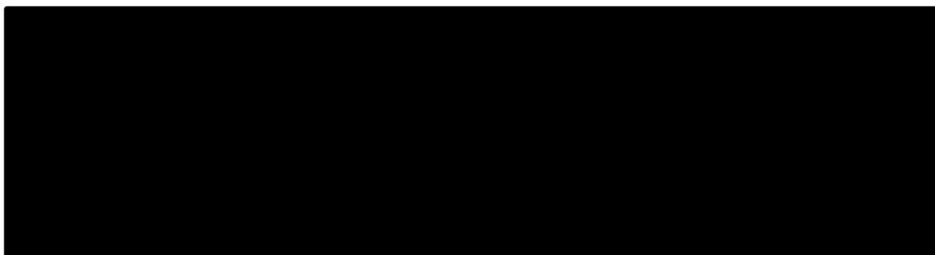
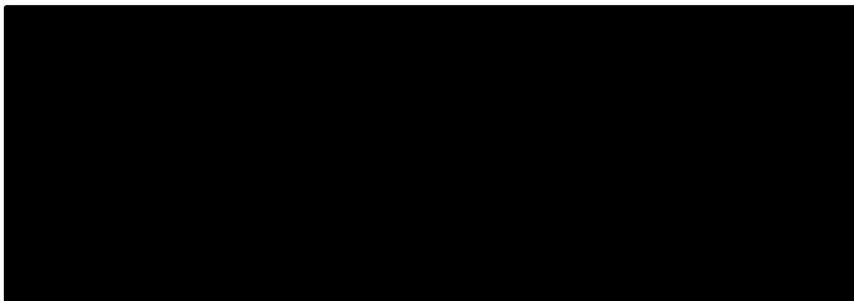
MATH
ROCKS

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What is a Stem and Leaf Plot? How are They Helpful in Real Life?



Stem and Leaf Plot

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Stem and Leaf Plots have a funny name but they're not what they sound like!

A Stem and Leaf Plot is a kind of graph that is organized by place value.

Here are the steps to making one:

Put all your numbers in the data set in order from least to greatest

Make a t-shaped graph

Put your numbers on the graph – the tens digits go in the stem section and the ones digits go in the leaf section

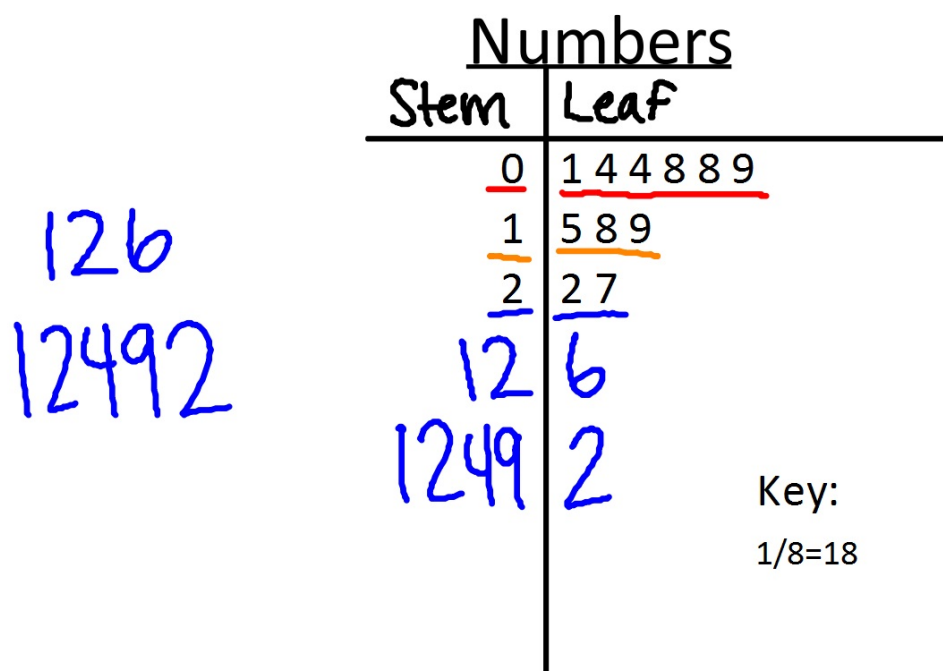
Give your plot a title and a key



Stem and Leaf Plot

Data Set: 1,8,4,9,18,15,27,8,4,19,22

In Order: 1,4,4,8,8,9, 15, 18, 19, 22, 27



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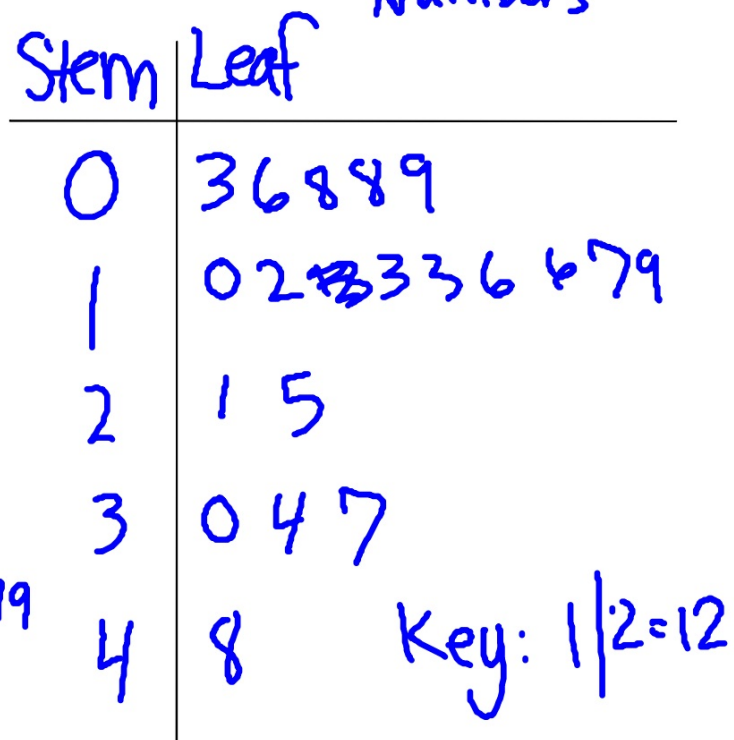
Make Your Own! Numbers

Now it's time to make your own stem and leaf plot! Use the data set given below.

10,13,9,6,16,8,3,8,19,37

17,25,48,30,12,16,21,34,13

3, 6, 8, 8, 9, 10, 12, 13, 13, 16, 16, 17, 19
21, 25, 30, 34, 37, 48



NOW IT'S TIME TO PRACTICE!!

TURN TO PAGE 63 AND WORK ON #'S 5 AND 10