

STEM-AND-LEAF PLOT

Hands-On Activity

Stem-and-leaf Plot Name: _____

Questions
2-Digit Whole Numbers

Stem-and-leaf Plot Name: _____

Heights of Cactus Plants in Maya's Garden

It is _____ height of the shortest _____

_____ the height of the tallest cactus

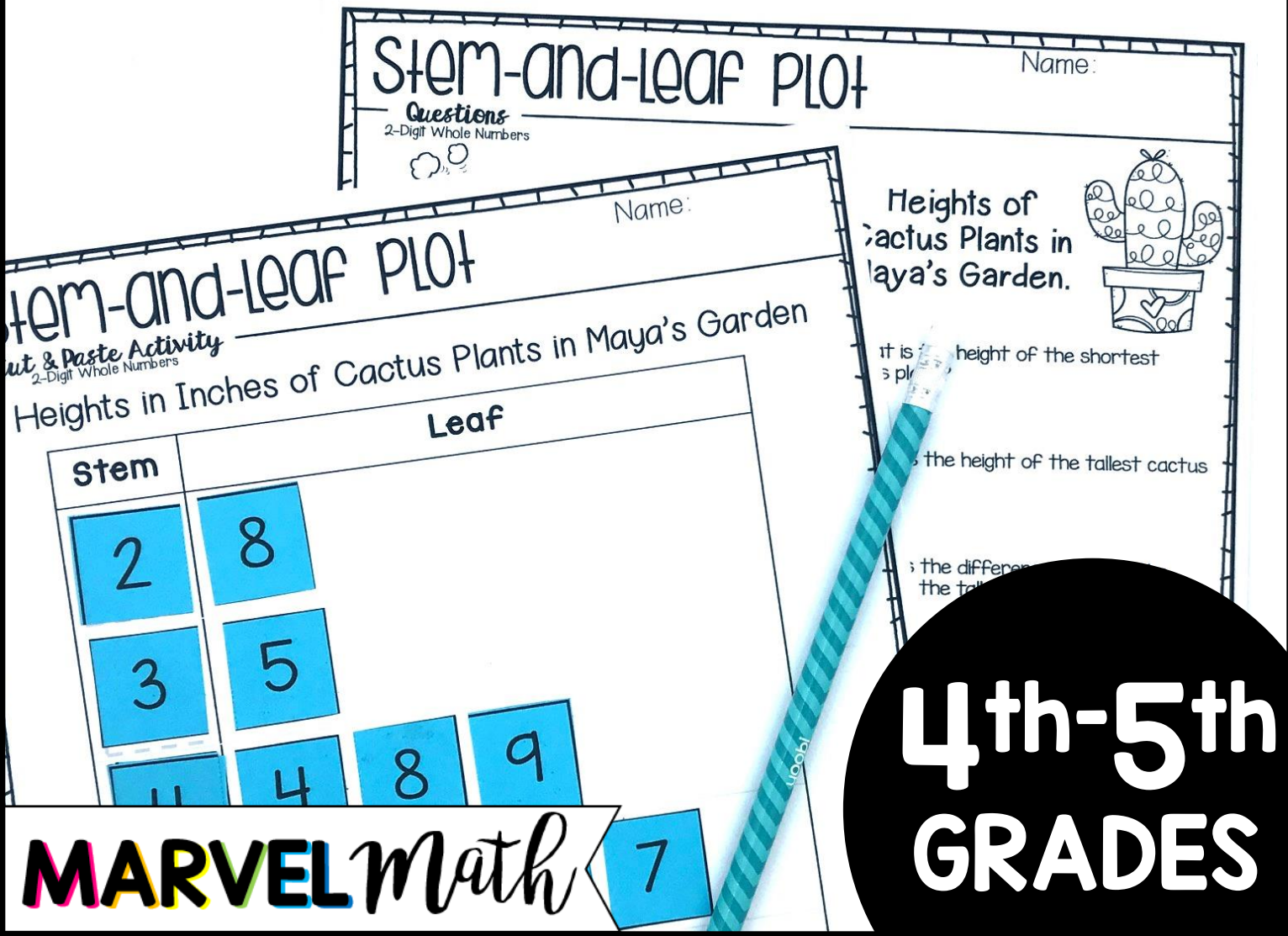
_____ the difference _____ the tallest

Stem **Leaf**

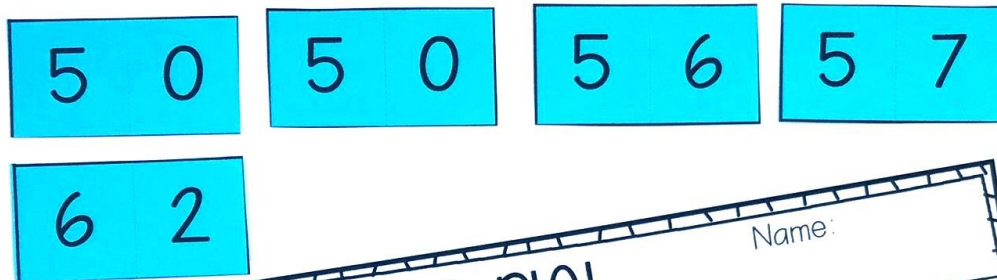
2	8
3	5
4	4
	8
	9
	7

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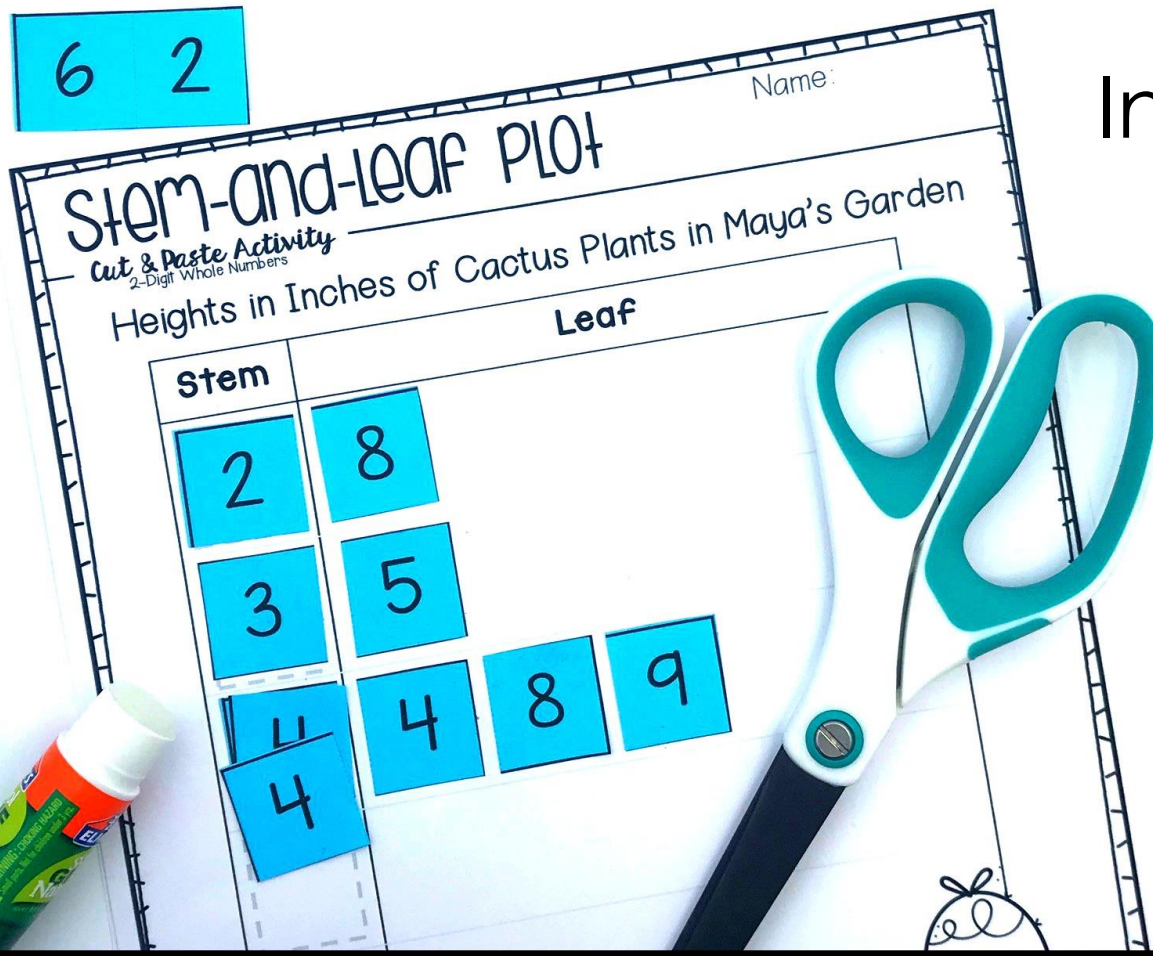
4th-5th GRADES



Includes 6 Cut & Paste Stem-and-Leaf Plots



Answer
Keys
Included!



One and Two Step Questions for each plot

- 2- and 3-Digit Numbers
- Fractions and Decimals

The image shows two stem-and-leaf plots on a worksheet. The top plot is titled 'Stem-and-leaf Plot' and 'Cut & Paste Activity'. It is for 'Inches of Rainfall this month in 8 cities'. The stem column has values 1, 2, and 3, each with a pink sticky note. The leaf column has a pink sticky note with the value 7. The bottom plot is titled 'Money Raised by Classes for St. Jude's Hospital'. It has a stem column and a leaf column, both currently empty. There are four questions listed to the right of each plot. Pink sticky notes with numbers are scattered around the plots: 7, 2, 5, 1, 2, 9, 1, 0, 0, 1, 1, 0, 1, 1, 7.

Stem-and-leaf Plot
Cut & Paste Activity
Decimals & 3-Digit Whole Numbers

Name _____

Inches of Rainfall this month in 8 cities

Stem	Leaf
1	7
2	
3	

Key $2|8 = 2.8$

1. How many inches of rain were recorded in the city with the least rainfall this month?
2. How many cities have more than 2.7 inches of rainfall this month?
3. What is the difference between the rainfall in the 2 cities with the most rainfall?
4. What is the difference in inches between the highest amount of rainfall and the least amount of rainfall?

Money Raised by Classes for St. Jude's Hospital

Stem	Leaf

1. What is the difference between the greatest and least amounts raised by classes?
2. List the amount raised by each class as shown in the stem-and-leaf plot.
3. What is the total amount raised by these 8 classes?

**This hands-on activity will help
your students truly understand
Stem-and-Leaf Plots!**

[illegible]

Easy to Use Just Print and Go

Stem-and-Leaf Plot
Cut & Paste Activity
2-Digit Whole Numbers

Name: _____

Ages of People in Line at the Theater

Stem	Leaf

Key 0 | 7 = 7



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

Use these numbers for the Ages of People in Line at the Theater Stem-and-Leaf Plot

2	8	4
6	2	5
4	4	3
5	0	5
5	6	4

Use these numbers for the Heights of Cactus Plants in Maya's Garden Stem-and-Leaf Plot

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Develop Problem Solving with Stem-and-Leaf Plots

Stem-and-Leaf Plot

Questions
2-Digit Whole Numbers

Ages of People in Line at the Theater

1. What is the age of the youngest person in line?

2. What is the age of the oldest person in line?

3. What is the difference between the ages of the youngest person and oldest person in line?

4. How many people waiting in line are under the age of 30?

5. Use the Stem-and-Leaf Plot to list all of the ages of the people in line for the movies.

6. How can you tell how many people were in line by looking at the stem-and-leaf plot?

Heights of Cactus Plants in Maya's Garden.

1. What is the height of the shortest cactus plant?

2. What is the height of the tallest cactus plant?

3. What is the difference between the heights of the tallest and shortest cactus plants?

4. How many of Maya's cactus plants are taller than 50 inches?

5. Use the Stem-and-Leaf Plot to list all of the heights of the cactus plants.

6. How can you tell how many cactus plants are in Maya's garden by looking at the stem-and-leaf plot?

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Stem-and-Leaf Plot

Cut & Paste Activity
Fractions & 3-Digit Whole Numbers

Height of Bean Plants in Inches

Stem	Leaf

1. How do you know if a plot does not have a leaf plot for mix?

2. How many bean plants are there?

3. What is the difference between the shortest and tallest bean plant?

4. What is the difference between the two tallest bean plants?

2 $\frac{1}{4}$ = 2 $\frac{1}{4}$

Number of Water Bottles Recycled Each Week

Stem	Leaf

1. What is the difference between the number of water bottles recycled in one week and the greatest number of water bottles recycled in one week?

2. List the number of water bottles recycled each week.

3. What is the total number of water bottles recycled in these 8 weeks?

About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.



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