

5th GRADE TEKS

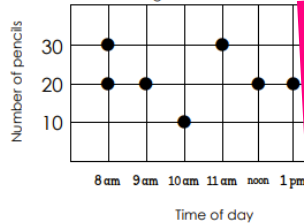
Graphing and Data

BUNDLE

Name _____

Scatterplot #3 5.9C

Number of sharpened pencils vs. time of day in 5th grade classrooms



Explain what the point at (1, 20) means.

Name _____

Stem-and-Leaf Plots #3 5.9C

Water in Bottles (fl. oz.)

Stem	Leaf
7	2 7 7
8	3 5
9	5 8 9

Key: $5|3 = 5.3$



- What is the difference between the amount water in the bottle with the least water and the amount of water in the bottle with the greatest amount of water?

- How many bottles have more than 9 fluid ounces of water?

BAR GRAPHS

Bar graphs display data so that categories can be easily compared. Bar graphs use _____ to record data with large values on a smaller graph.

Graph Interval

To calculate the interval select 2 consecutive numbers along the bar graph.

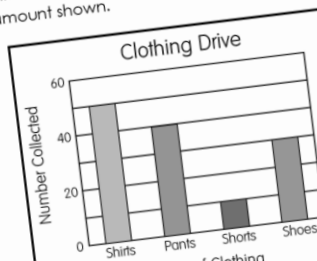
Find the difference. $\_\_\_ - \_\_\_ = \_\_\_$

If there is a blank line between them, you will also need to divide by 2. $\_\_\_ \div \_\_\_ = \_\_\_$

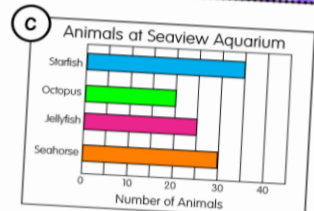
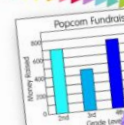
The interval of this graph is $\_\_\_$. Count by $\_\_\_$'s to label all of the lines beside the graph.



Label the intervals on the graph below. Then label the top of each bar with the amount shown.



Bar Graph Range Task Cards & Game



TEKS-Aligned Graphing and Data Resources

- Notebook Pages
- Hands-On Activities
- Task Cards
- Exit Tickets

5 0 5 0 5 6 5 7

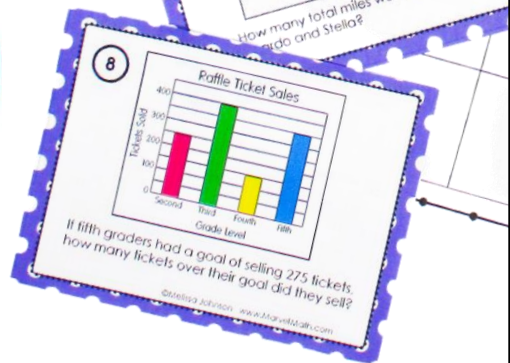
6 2

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

Heights in Inches of Cactus Plants in Maya's Garden

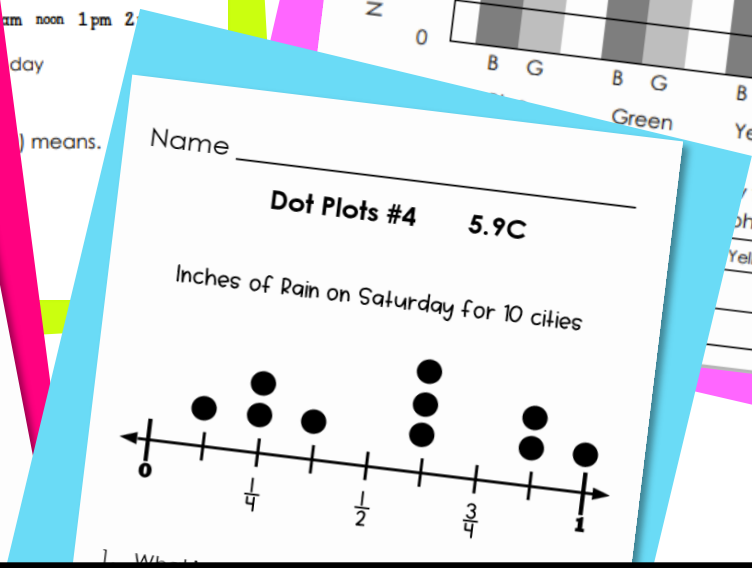
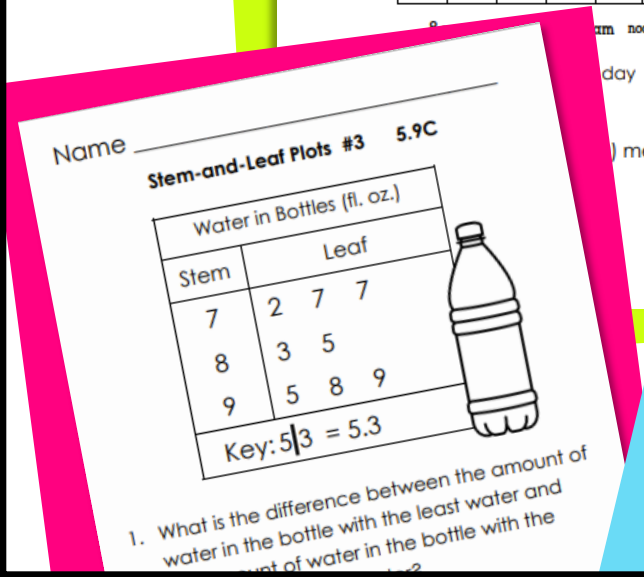
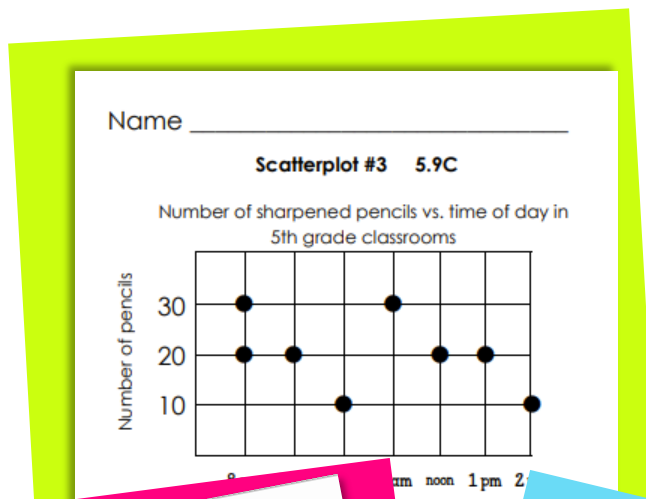
Name: _____

Stem	Leaf
2	8
3	5
4	8 9



Includes activities for each type of graph

- Double Bar Graphs
- Stem-and-Leaf Plots
- Dot Plots
- Scatterplots



No-Prep Activities

Just Print and Go!

TEKS 5.9C 

Types of GRAPHS



Data results from a survey of the number of laps run today:
3, 5, 5, 4, 4, 4, 3, 5, 4

Place the data in the frequency table and use it to create a dot plot.

Frequency Table

Number of				

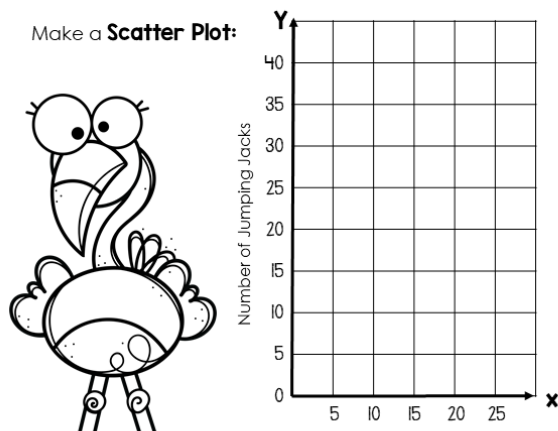
Work It

Divide the class into 5 groups. Group 1 does jumping jacks for 10 seconds, Group 2 for 12 seconds, Group 3 for 15 seconds, Group 4 for 18 seconds, and Group 5 for 20 seconds.

Record each student's data in the tables. Each column in the table represents one student's data. We must know how long the student jumped and how many jumping jacks were completed.

Amount of Time x, (seconds)					
Number of jumping jacks, y					

Amount of Time x, (seconds)					
Number of jumping jacks, y					



Compare GRAPHS

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Complete the table below. Consider each graph and place an "x" in every column that names a true statement about that graph. Find the graph named below and record the correct letter in the last column.

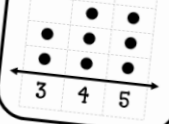
	Displays 1 set of data	Displays 2 sets of data	Used to Compare categories	Used to show data distribution	Graph Letter
Dot Plot					
Bar Graph					
Double Bar Graph					
Scatter Plot					
Stem-and-Leaf Plot					

A Estimation Jar Guesses

Stem	Leaf
5	2 2 6
6	1 3 4 8 8
7	3 4

Key: 5|2 = 52

B Number of Laps



C Types of Pets Owned by Gender

Pets	Gender	Number of children
Cat	B	4
Cat	G	2
Dog	B	3
Dog	G	2
Fish	B	2
Fish	G	1

D Weight Loss & Exercise



E Types of Pets

Pets	Number of Students
Cat	4
Dog	8
Fish	12

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number of jumping jacks completed?
fewest jumping jacks completed?

Fun Real Life Activates

Thumbs Up

Measure the length of your thumbnail to the nearest tenth of a cm.

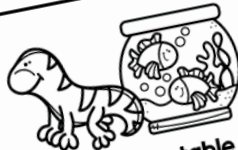
Raw Data:

Order your Data from Least



We Love Our Pets

How many pets do you have?
Raw Data:



Make a **frequency table** with your data:

0	1	2	3	4	5	6

1. How many students have 4 or more pets?
2. What fraction of the class has 4 or more pets?
3. What fraction of the class has 2 or more pets?

4. What is the difference between the greatest number of pets and the number of pets owned by students in the class?



Make a **Dot Plot**:

Stem-and-Leaf Plot

TEKS 5.9C



Estimation Jar Guesses

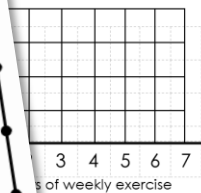
Stem	Leaf

Key: $5|2 = 52$

Estimation jar guesses:

61, 63, 64, 68, 68, 73, 74

Weight Loss & Exercise



More BAR GRAPHS Bars Between Intervals

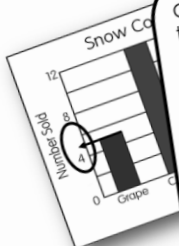
TEKS 5.9C



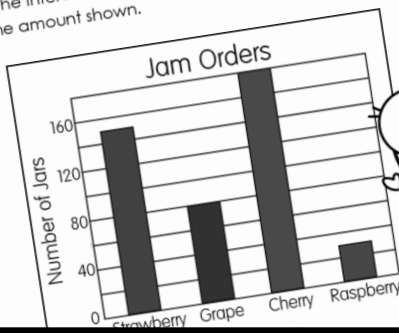
Calculate the interval first. In this graph the interval is 2.
Count by 2's to label all of the lines beside the graph.

Look at the purple bar for grape snow cones. What is the number below it and the number above it?

What number is between these two numbers?



Label the intervals on the graphs below. Then label the top of each bar with the amount shown.



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.



MARVEL Math