

Data & Graphing

No Prep Games

SPIN, ROLL, GRAPH

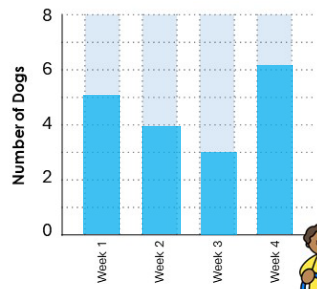
Blank Graphs

TEKS: 3.8A CCSS: 3.MD.B.3

Materials: 1 paperclip to use as a spinner, 1 die, 1 dry-erase marker, 2 game chips in different colors

Directions: Place a spinner on the dot in the middle of the page. Player 1 spins the spinner to find a bar graph, and rolls a die to find the frequency table that will be used. Player 1 then creates a graph and Player 2 uses the key to check the graph. If the graph is correct, Player 1 may move the number of spaces for that graph on the gameboard. Players alternate turns until one player reaches the end and wins!

Dogs Walked Per Week

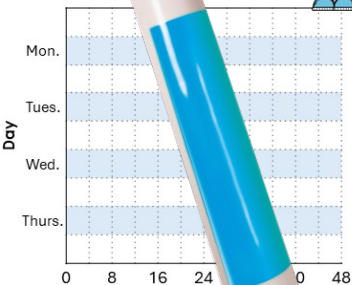


Week

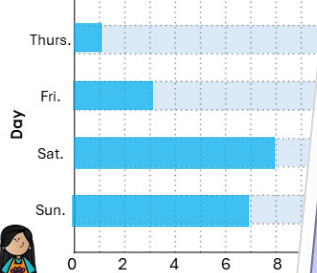
Correct Graph: Move 2 Spaces

Correct Graph: Move 4 Spaces

Sit-ups Completed Each Day



Pets Adopted

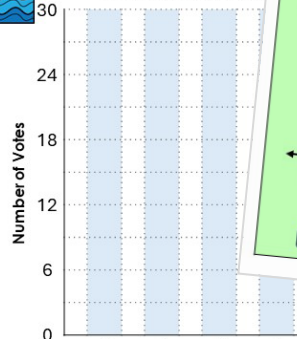


Number of Pets

Correct Graph: Move 3 Spaces

Correct Graph: Move 4 Spaces

Favorite Outdoor Activity



DOT THE PLOT

Blank Dot Plots

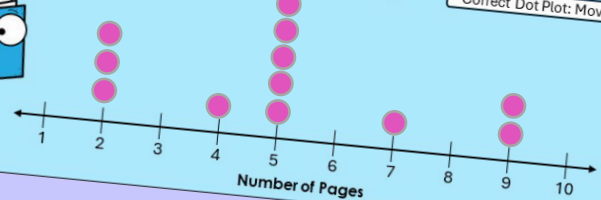
TEKS 3.8A

Materials: 1 paperclip to use as a spinner, 1 die, 1 dry-erase marker, 2 game chips in different colors

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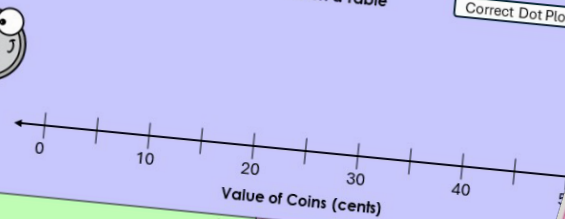
Pages Read Each Day



Correct Dot Plot: Move 1 Space



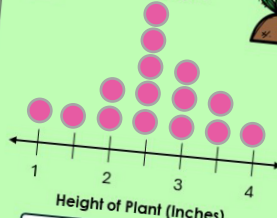
Coins on a Table



Correct Dot Plot: Move 1 Space



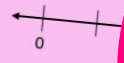
Plant Heights



Correct Dot Plot: Move 2 Spaces



Bags of Candy



Correct Dot Plot: Move 1 Space

3rd
GRADE

6 Fun & Engaging Games

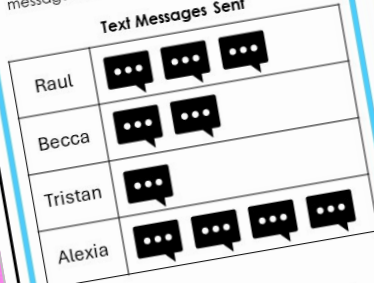
Your Students Will Love Playing

PICTOGRAPH BUMP Pictographs

TEKS: 3.8A

This pictograph shows the number of text messages each person sent on Friday.

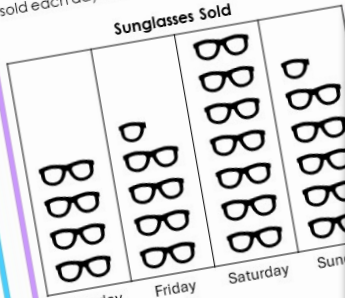
Text Messages Sent



Each  means 5 text messages.

This pictograph shows the number of sunglasses sold each day for 4 days.

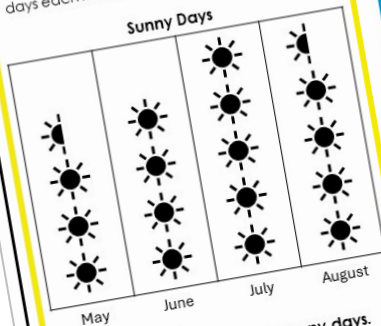
Sunglasses Sold



Each  means 2 sunglasses

This pictograph shows the number of sunny days each month.

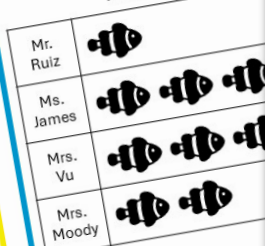
Sunny Days



Each  means 6 sunny days.

This pictograph shows the number of fish each of the 3rd Grade Teachers' aquariums.

Fish in Aquariums



Each  means 1 fish

PICTOGRAPH BUMP Gameboard

TEKS: 3.8A

Materials: 1 die, 18 game chips (9 in one color, 9 in another color)

Directions: Players may place one of their game chips on the gameboard in any space. Player 1 rolls the die and moves that many spaces. Player 1 reads the question on the space landed on and finds the pictograph that will help answer the question. If Player 1 answers the question correctly, they will put one of their chips on the circle in the middle of the gameboard that represents the pictograph used for that question. Player 2 repeats this process. If a player has 1 chip on a circle, the other player can "bump" that chip off and replace it with their own. If a player is able to put a 2nd chip on a circle, that circle becomes locked. The player who controls the most circles at the end of the game wins! Play until all circles are locked or you are out of time.

How many sunglasses were sold on Friday?

What is the total number of text messages sent by Becca and Raul?

How many fish do Ms. James and Mrs. Vu have combined?

What is the total number of sunglasses sold on Friday and Sunday?

How many sunny days were there in May?

Mrs. Vu spent \$8 on each fish. How much did she spend on the fish in her aquarium?

How many more text messages did Alexia send than Tristan?

How many more sunny days were there in July than August?

How many total sunny days were there in June and July?

Each pair of sunglasses sold on Thursday cost \$10. What was the total cost of the sunglasses sold that day?

How many more fish does Ms. James have than Mr. Ruiz?

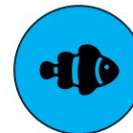
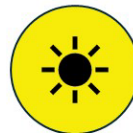
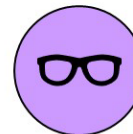
How many text messages did Alexia send?

How many total fish do all 4 teachers have in their aquariums?

How many text messages did Becca send?

How many more sunglasses were sold on Saturday than on Thursday?

How many sunny days were there in August?



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Games are NO Prep

Simply print and slide into plastic sleeves

DOT THE PLOT

Spinners

TEKS
3.8.A

After you roll a dot plot, put a spinner on the oval for that dot plot. Spin that spinner to find the data set to use. Plot the data from that frequency table, picture or number list on the dot plot.



Pages Read Each Day

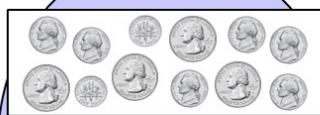
Number of Pages	1	2	3	4	5	6	7	8	9	10
Frequency					###					

Pages Read Each Day

3, 6, 10, 5, 5, 4, 2, 3,
5, 10, 5, 8, 5



Coins on a Table



Coins on a Table

Coin	Nickel	Dime	Quarter	Half Dollar
Frequency		###		



Plant Heights (Inches)

3, 1, 1 $\frac{1}{2}$, 2, 1 $\frac{1}{2}$,
4, 3 $\frac{1}{2}$, 2 $\frac{1}{2}$, 1

Plant Heights

Height (inches)	1	1 $\frac{1}{2}$	2	2 $\frac{1}{2}$	3	3 $\frac{1}{2}$	4
Frequency							



Bags of Candy

Weight (pounds)	$\frac{1}{4}$	$\frac{2}{4}$	$\frac{3}{4}$	1
Frequency		###		###

Weight of Candy (Pounds)

Weight (pounds)	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Frequency				

DOT THE PLOT

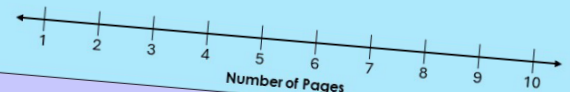
Blank Dot Plots

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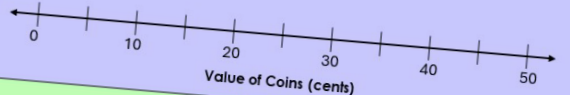
Pages Read Each Day

Correct Dot Plot: Move 1 Space



Coins on a Table

Correct Dot Plot: Move 3 Spaces



Plant Heights



Height of Plant (Inches)

Correct Dot Plot: Move 2 Spaces



Bags of Candy



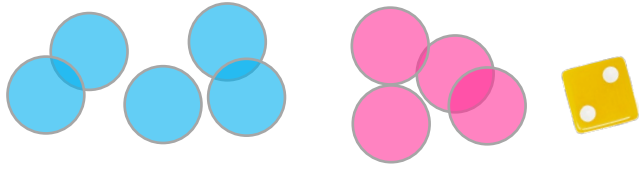
Weight of Candy (Pounds)

Correct Dot Plot: Move 3 Spaces



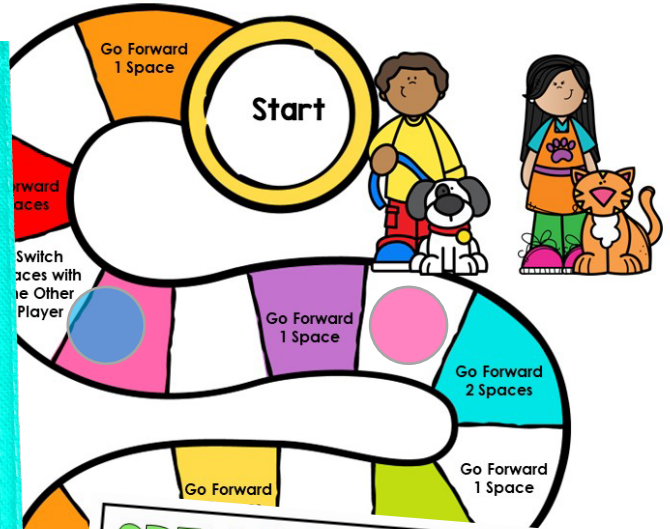
Free Choice
Choose any
Graph

Standards Aligned



SPIN, ROLL, GRAPH

Gameboard



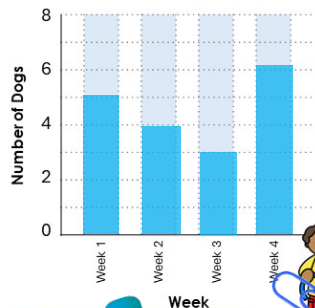
SPIN, ROLL, GRAPH Blank Graphs

TEKS: 3.8A CCSS: 3.MD.8.3

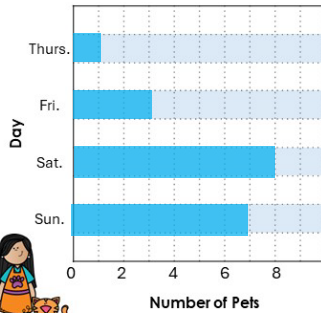
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Dogs Walked Per Week



Pets Adopted



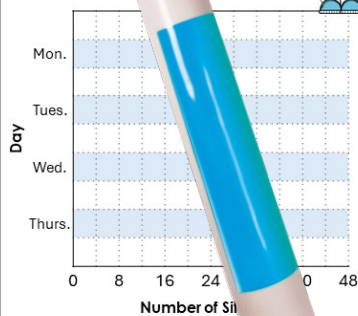
Correct Graph: Move 2 Spaces

Correct Graph: Move 4 Spaces

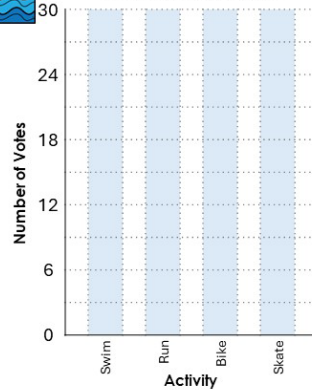
Correct Graph: Move 3 Spaces

Correct Graph: Move 4 Spaces

Sit-ups Completed Each Day



Favorite Outdoor Activity



SPIN, ROLL, GRAPH Frequency

TEKS: 3.8A CCSS: 3.MD.8.3

After you spin a graph, roll the die to see which frequency table to use. Graph the data from that table on the graph.

Dogs Walked Per Week

Week	Number of Dogs
1	5
2	4
3	3
4	6

Dogs Walked Per Week

Week	Number of Dogs
1	7
2	2
3	8
4	1

Pets Adopted

Day	Number of Pets
Thurs.	
Fri.	
Sat.	
Sun.	

Pets Adopted

Day	Number of Pets
Thurs.	
Fri.	
Sat.	
Sun.	

Sit-ups Completed Each Day

Day	Number of Sit-Ups
Mon.	20
Tues.	22

Favorite Outdoor Activity

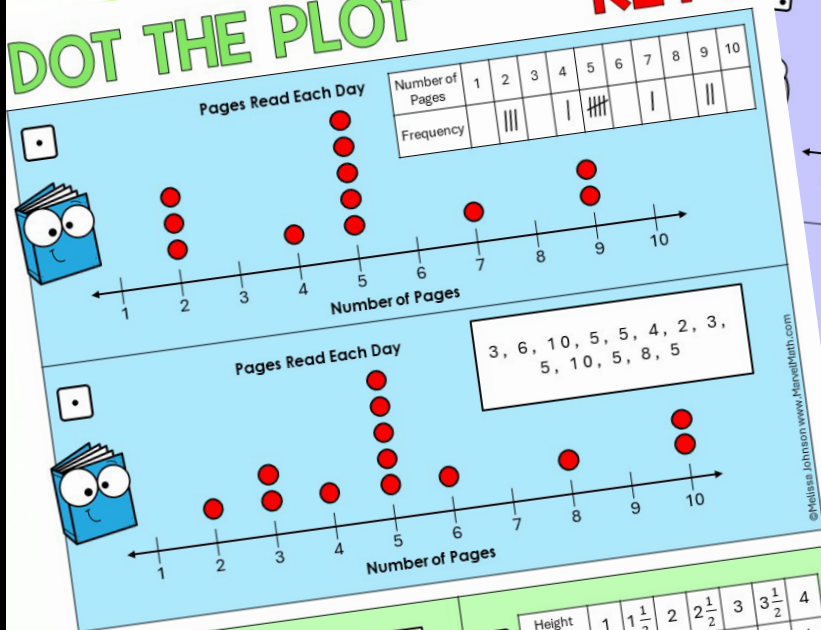
Activity	Number of Votes
Swim	21

Keys Included for Each Game

Great for Self-Checking Math Stations

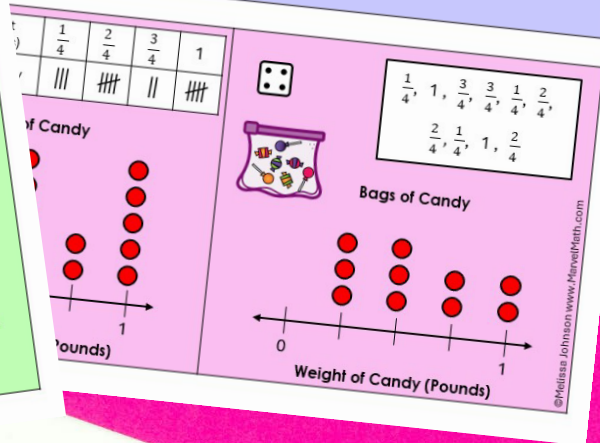
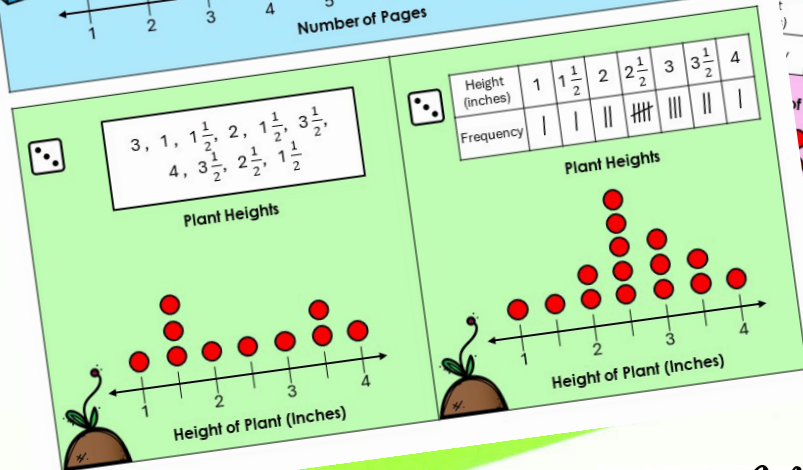
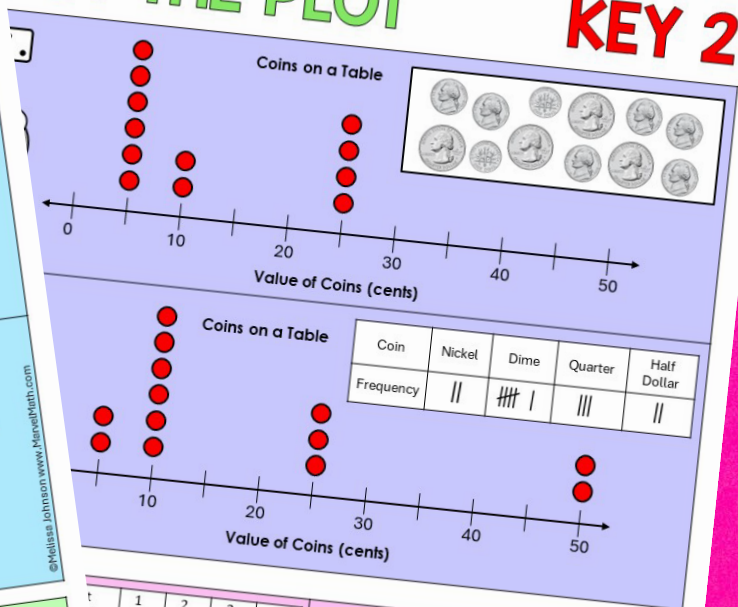
DOT THE PLOT

KEY 1



DOT THE PLOT

KEY 2



Color and Blackline Versions

For every game

MARVELMath

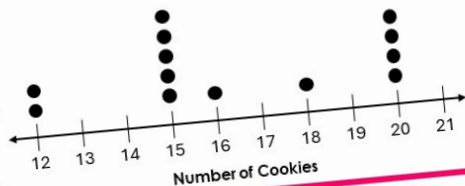
DOT PLOT BUMP

Dot Plots

TEKS: 3.8B

Student Cookie Donations to the Bake Sale

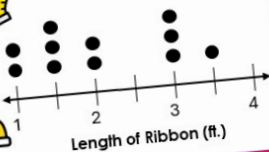
Students in a club donated cookies for a bake sale. The dot plot represents the number of cookies brought by each student.



Mariana measured the length of the pieces of ribbon she has. The measurements she collected are represented in the dot plot.



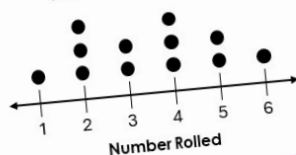
Mariana's Pieces of Ribbon



Alex rolled a number cube many times. He recorded the number rolled each time on the dot plot.



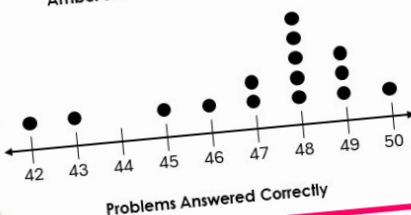
Alex's Number Cube Rolls



Amber took timed tests that were one minute long. She answered as many multiplication facts as she could each time. The number of problems answered correctly on each test is recorded in the dot plot.



Amber's One Minute Math Facts Tests



DOT PLOT BUMP

Dot Plots

TEKS: 3.8B

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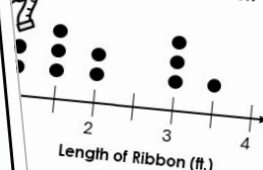
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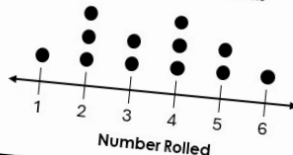
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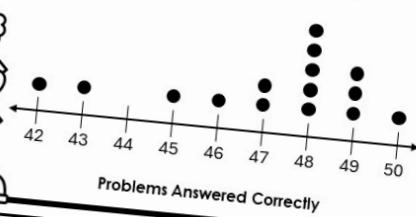
Alex's Number Cube Rolls



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Amber's One Minute Math Facts Tests



Covers All Data & Graphing Topics

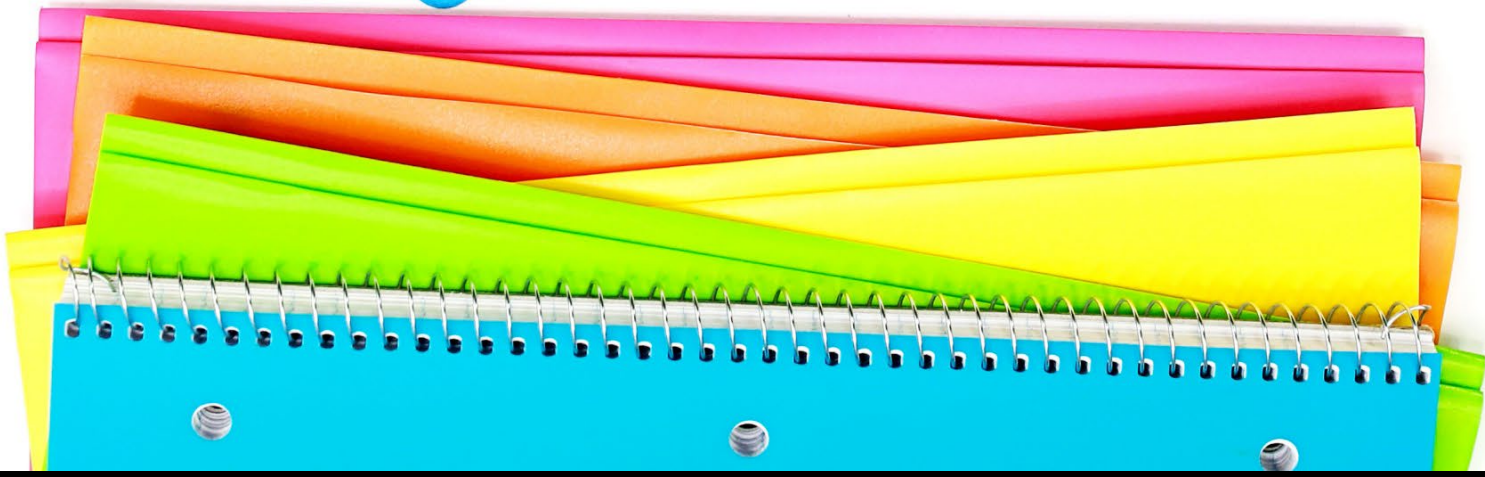
- ✓ Bar Graphs with scaled intervals
- ✓ 1 & 2-step questions about Bar Graphs
- ✓ Pictographs
- ✓ 1 & 2-step questions about Pictographs
- ✓ Dot Plots
- ✓ 1 & 2-step questions about Dot Plots

This resource is included in this

Time & Money Saving BUNDLE

Click here

3rd Grade
Data & Graphing
Unit Bundle



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.

