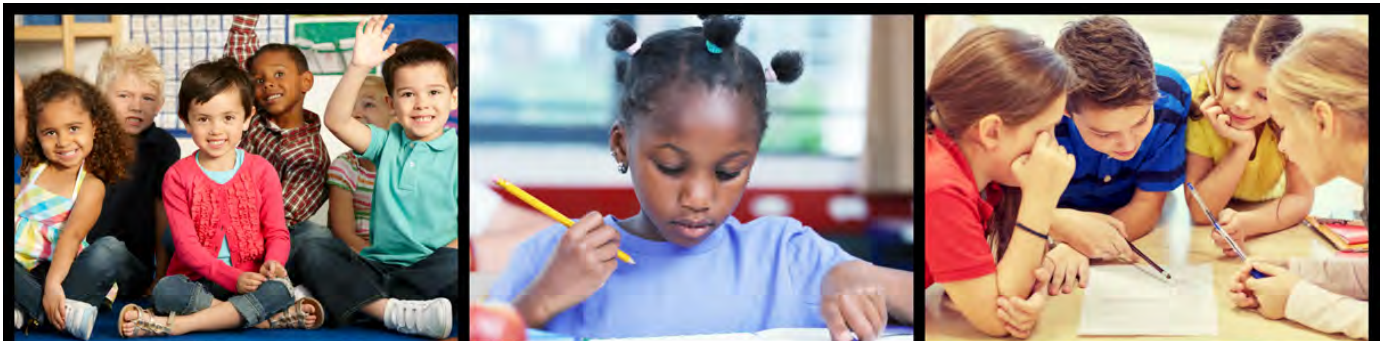# 4ᵗʰ Grade

DATA

REPRESENTATIONS

Created By:

Misty Pohly

Whole Class Lessons and Guided Math Groups
Active Engagement and Games
Intervention and Enrichment
Exit Tickets

iPohly INC.

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AND
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Click the links for Lesson Plans that align with TEXAS TEKS!

2nd Grade Math Lesson Plans	3rd Grade Math Lesson Plans
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I SEE YOU~

- struggling each week to write lesson plans that meet the rigor of the TEKS.
- searching endlessly for resources that will help kids learn math while being challenged and engaged.
- staying late everyday after school working on plans and creating everything from scratch.

You are exhausted from working with students all day, and still have to prep, write and create.

I SEE YOU~

SACRIFICING your time with your family
and friends
to ensure success for ALL of OUR Children.

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Data Representations

Name	1	2	3	4	5	6

Name _____   Data Representations

LT	Statement	1	2	3	4	Evidence
1	I can represent data on a frequency table marked with whole numbers and fractions.					
2	I can represent data on a dot plot marked with whole numbers and fractions.					
3	I can represent data on a stem-and-leaf plot marked with whole numbers and fractions.					
4	I can solve one- and two-step problems using data in whole number, decimal, and fraction form in a frequency table.					
5	I can solve one- and two-step problems using data in whole number, decimal, and fraction form in a dot plot.					
6	I can solve one- and two-step problems using data in whole number, decimal, and fraction form in a stem-and-leaf plot.					

1	2	3	4
I have no idea how to do this.	I can do this with some help.	I can do this by myself	I can teach someone to do this. [9]

Learning Target	What do we want students to learn?	How will we know if they learned it?	What will we do if they don't?	What will we do if they already know it?

1 4.9A	Represent data on a frequency table marked with whole numbers and fractions.	❑ Whole Numbers
		 ❑ Fractions
		   ❑ proper
		   ❑ improper
		   ❑ mixed numbers
		 ❑ Identify missing data
		 ❑ Problem solving (reasoning) to fill in data
		 ❑ Identify a data set from a given representation
		 ❑ Match different representations
			Activities to include:
			 ❑ Creating a frequency table from a data set.
			 ❑ Using a frequency table to create a dot plot
			 ❑ Using a frequency table to create a stem and leaf plot
				❑ Represent categorical data with bar graphs or frequency tables and numerical data, including data sets of measurements in fractions or decimals, with dot plots or stem-and-leaf plots.

2 4.9A	Represent data on a dot plot marked with whole numbers and fractions.		Activities to include: ❑ Creating a dot plot from a data set. ❑ Using a dot plot to create a frequency table ❑ Using a dot plot to create a stem and leaf plot	
3 4.9A	Represent data on a stem-and-leaf plot marked with whole numbers and fractions.		Activities to include: ❑ Creating a stem and leaf from a data set. ❑ Using a stem and leaf to create a frequency table ❑ Using a stem and leaf plot to create a frequency table	

Learning Target	What do we want students to learn?	How will we know if they learned it?	What will we do if they don't?	What will we do if they already know it?
4 4.9B	Solve one- and two-step problems using data in whole number, decimal, and fraction form in a frequency table.	One- or two-step problems Addition ❑ Sums of whole numbers, ❑ decimals up to the hundredths ❑ Sums of fractions limited to equal denominators Subtraction ❑ Differences of whole numbers	Activities to include: ❑ What is the total? ❑ What is the difference? ❑ Multiplication scenarios ❑ Division scenarios	Extensions: ❑ Claim ❑ Evidence ❑ Reasoning
5 4.9B	Solve one- and two-step problems using data in whole number, decimal, and fraction form in a dot plot.	❑ Differences of decimals with values limited to the hundredths ❑ Differences of fractions limited to equal denominators Multiplication ❑ Products of whole numbers up to two-digit factors by two-digit factors and up to four-digit factors by one-digit factors Division ❑ Quotients of whole numbers up to four-digit dividends by one-digit divisors	Activities to include: ❑ What is the total? ❑ What is the difference? ❑ Multiplication scenarios ❑ Division scenarios	Extensions: ❑ Claim ❑ Evidence ❑ Reasoning
6 4.9B	Solve one- and two-step problems using data in whole number, decimal, and fraction form in a stem-and-leaf plot.		Activities to include: ❑ What is the total? ❑ What is the difference? ❑ Multiplication scenarios ❑ Division scenarios	Extensions: ❑ Claim ❑ Evidence ❑ Reasoning

Day 1 4.9A	Day 2 4.9A	Day 3 4.9A	Day 4 4.9B	Day 5 4.9B
Mini Lesson LT 1, 2 Frequency Table Dot Plot	Mini Lesson LT 4, 5 Problem Solving Frequency Table Dot Plot	Math Huddle LT 3 Stem and Leaf Plot	Mini Lesson LT 3 Stem and Leaf Plot	Mini Lesson LT 6 Problem Solving Stem and Leaf Plot
Guided Math	Guided Math	Guided Math	Guided Math	Guided Math
Reteach Fractions	LT 1, 2	LT 4, 5	LT 3	LT 6

Day 6 4.9B	Day 7 4.9A & 4.9B
Game LT 1-3 Matching Representations	Game LT 4-6 Problem Solving All Graphs
Guided Math	Guided Math
LT 1-3	LT 4-6

Data Representations

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Thank you for your download!

I hope this helps your students!

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