

Teacher's Page

Years ago I was introduced to the reading workshop model created by Fountas and Pinnell and immediately fell in love with its structure. As I became skilled in teaching through that model, I found myself wondering if it would lend itself well to math too. Over the years, I have researched guided math and math workshop so that I could implement it successfully in my classroom. This product is a result of that.

In this product you will find vocabulary cards that can be used for a word wall, anchor charts, and detailed mini-lessons along with the resources necessary to carry them out. For each lesson I have provided ideas for remediation and enrichment so that you can differentiate your lessons and meet the needs of all your students.

It is at your discretion as to how you work through this unit. You can pick and choose lessons as needed or parts of lessons. You can also decide to teach the remediation or enrichment piece to the whole class as a regular lesson. These are merely a suggestion of how I would pace in my classroom. Further, it is not necessary to follow the "scripted" portion of my lesson plans; rather, that is there as a guide to give you an idea of the workshop language used. You are welcome to modify it to your classroom needs. You will need to partner students up in advance as partner I and partner 2. Lastly, you may wish to modify the timing of the workshop or implement centers during independence time. You know your students best and should focus on their needs.

I would strongly recommend reading the lesson plans a few days before actually implementing them to be sure that they meet your children's needs and that you are prepared. It is also recommended to print some materials in color, on cardstock, and then laminated for repeated future use. Some activities in this unit plan will offer teacher choices as how to handle the particular lesson. I would also frequently have students practice their multiplication facts and provide additional supplementary worksheets for further practice.

If you are not following my store, or my blog, you may want to, as I will continue to produce more units in the math workshop model. All of my products are 50% off for the first 48 hours after posting. The best way to know about this deal is by following, as you'll then receive a notification! Please also consider leaving feedback so I know how I can improve on these units and so that others will have the opportunity to learn about them. Thank you for your purchase and feedback!

I hope that you enjoy it!

Tammy (The Owl Teacher)

Standards Addressed

3.MD.A.2

Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (I).¹ Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem.²

3.MD.B.3

Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs. *For example, draw a bar graph in which each square in the bar graph might represent 5 pets.*

3.MD.B.4

Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units- whole numbers, halves, or quarters.

SOURCE:

National Governors Association Center for Best Practices & Council of Chief State School Officers. (2010). *Common Core State Standards for Mathematics*. Washington, DC: Authors.

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Unit Overview

Lesson I Collecting and Organizing Data	Lesson 2 Creating Picture Graphs	Lesson 3 Creating Bar Graphs	Lesson 4 Changing the Scale on a Graph	Lesson 5 Changing the Scale on a Graph
pg. 25	pg. 28	pg. 38	pg.43	pg. 50
Lesson 6 Solving Word Problems Related to Graphs	Lesson 7 Measuring Lengths to the Nearest Quarter of an Inch	Lesson 8 Collecting Data and Constructing Line Plots	Lesson 9 Collecting Data and Constructing Line Plots	Lesson 10 Graphing Review
pg. 53	pg. 67	pg. 73	pg. 84	pg. 90
Lesson II Identifying, Estimating, and Measuring Mass	Lesson 12 Solving Word Problems Related to Mass	Lesson 13 Identifying, Estimating, and Measuring Liquid Volume	Lesson IH Solving Word Problems Related to Liquid Volume	Lesson 15 Review Graphing and Measurement
pg. 9	pg. 96	pg. 104	pg. 107	pg. 4

Pretest pg. 15 - 18

Post test pg. 120 - 123

Vocabulary Covered

Bar Graph Data Vertical Bar Graph Horizontal Bar Graph Capacity Metric System Line Plot Picture Graph

Survey Tally Table Length Graphing Key Scale Mass Liter Inch Gram Measure Liquid Volume Kilogram Customary System

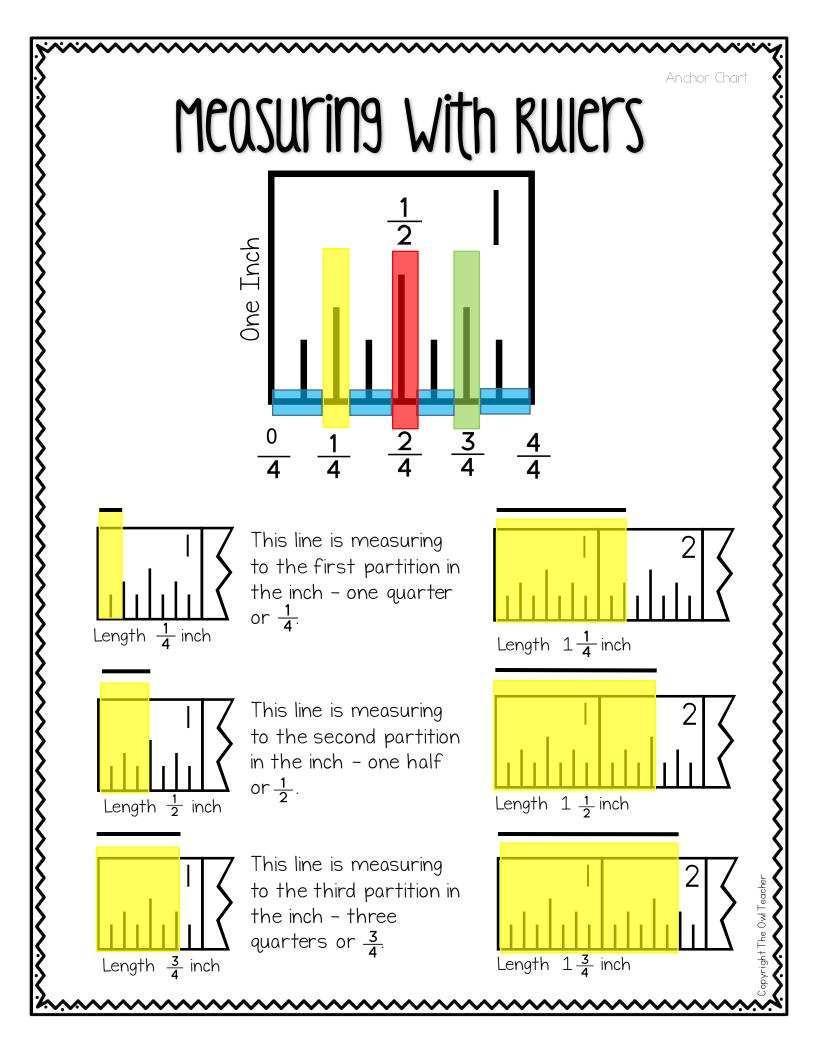
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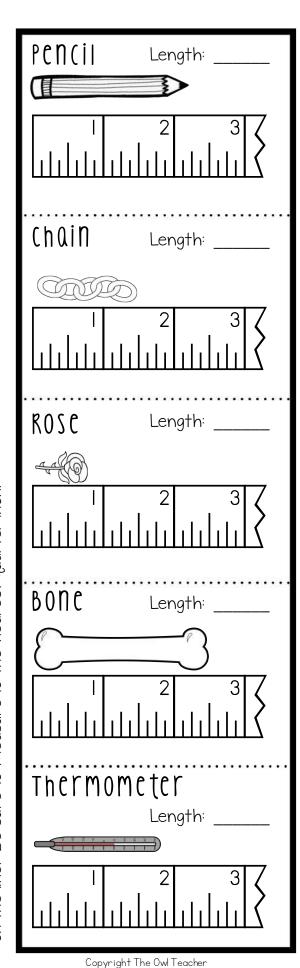
	shop Routine
Warm Up	During this time you work with students on fact fluency and spiral review through a variety of methods.
Mini-lesson	I 5 minutes This is where you make a connection to the previous lessor and briefly introduce your teaching point for the lesson. It must be kept short; therefore, it should be explicit.
Acti∨e Engagement	I O minutes This is where you have the students briefly try out what you just taught during the mini-lesson. This is your opportunity to verify who may or may not need additional assistance.
Link and Independent Practice	25 minutes This is where you link what we did during the mini-lesson to what students will do independently. Then students begin working independently while you circulate and assist or pull small groups.
Closing Copyright The O	5 minutes During the last five minutes of workshop, it is crucial to wrap things up with a closing. This is typically sharing something learned or completed related to the mini-lesson.

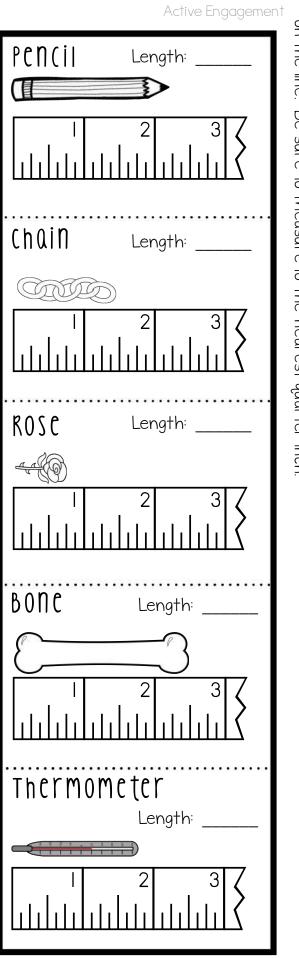
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Lesson 7: Measuring Lengths to the Nearest ¼ of an Inch

I Can Statement I can measure to the nearest quarter inch and half inch.	CCSS 3.MD.4 3.G.2			
Vocabulary length, inch, measure,				
Warm Up Choose an Elapsed Time Card.				
want to refresh their memory a bit.) Well, before v to practice measuring lines to the nearest half inch how to do that. I have here a ruler. Between the z our number lines in fractions. If you notice, it is par appropriate fractions. (Continue modeling for stude think aloud as you are demonstrating and reminding	ine like this. (Draw on a piece of chart paper a 3/4, and 4/4. Depending on your students, you may we can move on to the next type of graph, we have and quarter inch. Today, I'm going to show you zero and the one is one total inch. That is just like rtitioned into four pieces and are labeled with the ents how to measure and read a ruler. Be sure to students to ignore the eighths. I put the eighths me in contact with a ruler that has the eighths on it.			
Active Engagement Now it is your turn to give it a try. I have here for you these small half sheets that already come with a ruler on it for you. You are going to see if you can measure the item next to the ruler to the approximate quarter inch. Then you are going to write it on the line. When you are done, we will check it. (Give students a few minutes to determine the approximate lengths of each item. Remind them frequently to refer back to the anchor chart or their notes. Take note of who needs additional assistance. When everyone is ready, check the answers together. The answers are approximate and are as follows: Pencil 2 ¼, Chain 1 ½, Rose ¾, Bone 2 1/2, Thermometer 1 ¾.)				
Link and Independent Prace Boys and girls, all that fraction work a while back is all that hard work! Today we are going to continue quarter inch. I have here for you a pom pom and of masking tape and create a starting line. Then pla medicine dropper to blow it forward. After the por using your ruler. You will record four different trials questions, you will turn it in and get this practice she independently.	Small Pom Poms, Masking Tape, Rulers, Medicine Droppers, "Measuring Up" definitely paying off. I'm glad that you remember practicing using rulers to measure to the nearest a medicine dropper. You are going to take a piece ace your pom pom down on it and squeeze your m pom rolls forward, you will measure the distance s. After you measured these and answered the			
Intervention To help students with measuring, create paper rulers and label the quarters. Do not include the eighths.	Extension Have students either try the eighths or name equivalent fractions for the quarters. Another option is to have students create lines of different lengths.			
Closing Have students draw on a post-it note an inch and po the post-it note. Verify that students have them lab				







<u>Directions</u>: Cut on the solid, black line, fold on the dotted line. on the line. Be sure to measure to the nearest quarter inch.

Determine the approximate length of each item and write it

	Name
BIOWIN	9 Away the Inches
bedrehelenheiterh	
starting line, place a small pupped ball forward. Then me	masking tape, create a starting line. On your uff ball. Using a medicine dropper, blow the asure the distance from the masking tape uff ball stopped. Write the distance to the on the lines.
Trial 1 :	distance?
Trial 3 :	
Trial 4 :	
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	Name
Directions: Using a piece of r starting line, place a small pu puff ball forward. Then me	Name <b>9 AWOY THE INCHES</b> masking tape, create a starting line. On your uff ball. Using a medicine dropper, blow the asure the distance from the masking tape uff ball stopped. Write the distance to the
Directions: Using a piece of r starting line, place a small pu puff ball forward. Then me starting line to where the pu	Name <b>9 AWOY CHC INCLES</b> To TO TO TO TO TO TO TO TO TO TO TO TO TO TO TO TO TO TO TO TO
Directions: Using a piece of r starting line, place a small pu puff ball forward. Then me starting line to where the pu nearest quarter inch below of	Name <b>9 AUCL THE THE ANALY INTERPORT OF THE ANALY AND AND AND AND AND AND AND AND AND AND</b>
Directions: Using a piece of r starting line, place a small pu puff ball forward. Then me starting line to where the pu nearest quarter inch below of Trial 1 :	Name <b>9 AUCL THE THE ANALY INTERPORTED TO ANY ANY ANY ANY ANY ANY ANY ANY ANY ANY</b>

# Measuring UP

Directions: Determine the length of each

line provided to the nearest quarter inch using a ruler. Then circle the choice that matches that answer. Finally, use the

words with the answer to determine the

answer to the riddle.

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A:

Name



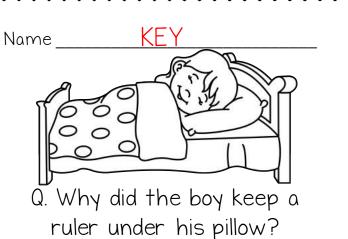
Q. Why did the boy keep a ruler under his pillow?

		Answer Choice A	Answer Choice B
1		3-1-4	31/2
		how	boy
2		$1\frac{3}{4}$	2
2		the	he
3		$2\frac{3}{4}$	$1\frac{3}{4}$
3		long	wondered
		$1\frac{1}{4}$	$1^{\frac{1}{2}}$
4		could	dream
_		3	2
5		to	what
6		$1^{\frac{1}{4}}$	1
		boy	sleep
		$2^{\frac{1}{4}}$	$2^{\frac{1}{2}}$
7		about	see
	<u> </u>		

# Measuring up

A:

<u>Directions</u>: Determine the length of each line provided to the nearest quarter inch using a ruler. Then circle the choice that matches that answer. Finally, use the words with the answer to determine the answer to the riddle.



	Answer Choice A	Answer Choice
	Answer Choice A	В
1	 $3\frac{1}{4}$	$3\frac{1}{2}$
	how	boy
2	 $1\frac{3}{4}$	2
	the	he
3	$2\frac{3}{4}$	$1\frac{3}{4}$
	long	wondered
/1	 $1\frac{1}{4}$	$1^{\frac{1}{2}}$
4	could	dream
5	 3	2
	to	what
6	 $1^{\frac{1}{4}}$	1
	boy	sleep
7	$2^{\frac{1}{4}}$	$2^{\frac{1}{2}}$
	about	see

To see how long he could sleep

## A Special Thank You!

Thank you for purchasing my product! I hope you found this resource useful.

I know your time and money are important, so therefore I try to create products that are worth both. Any time you see something that could be improved upon or any errors, please inform me, as I desire to do well. Feel free to contact me if you have any questions, ideas, or concerns at <u>deshawtammy@gmail.com</u>.

Keep an eye out for more resources that are free or reasonably priced, as I am always creating new products!

You can also follow my blog at <u>www.theowlteacher.com</u> for lots of creative instructional ideas and free downloads. By following me, you'll get updated notices about new ideas, products, and sales. My products are always 50% off the first 48 hours after being posted so follow me for those notifications!



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