


<p>Unit 6</p>  <p>Week 5</p>	<p><b>Large Group: Researching the Math in Kindergarten**</b></p>	<p><b>Math LG</b></p>	<p><b>Standards:</b> MELDS.M.MD.PS.7 MELDS.M.MD.PS.8 MELDS.M.MD.PS.9</p>
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<p><b>Guiding Math Ideas:</b></p> <ul style="list-style-type: none"> <li>● Solving a problem takes an interdependent system</li> <li>● Applying research methods to questions and problems</li> </ul> <p><b>Math Concepts From Unit Learning Progressions:</b></p> <ul style="list-style-type: none"> <li>● Depict understanding of sequence and time through STEM activities.</li> <li>● Applying problem-solving skills to solve math and practical problems</li> <li>● Applying data skills to everyday activities and practical questions.</li> </ul> <p><b>Adaptations for Using Large Group In Alternate Schedule Slots:</b></p> <ul style="list-style-type: none"> <li>● Do anytime as a Large Group or Small Group, in coordination with Kindergarten teachers.</li> </ul>
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<p><b>Materials:</b></p> <ul style="list-style-type: none"> <li>● Flip Chart and markers</li> <li>● Individual tablets or notepads for children’s data collection</li> <li>● Simple data collection graph (Example Attached)</li> </ul>	<p><b>Math Vocabulary:</b></p> <ul style="list-style-type: none"> <li>● Research: finding out information to answer a question or solve a problem</li> </ul>
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**Preparation:**

Have Flip Chart and/or individual tablets for children to collect data. Customize the data collection graph as needed.

This activity is done in conjunction with the overall curriculum activity of Researching Kindergarten (See Week 4). Add math-related questions to the research field trip, or schedule a special time for children to visit Kindergarten and observe math.

<p>We started researching Kindergarten last week. Do you think that we can use all the things we know about math and problem-solving to help us research kindergarten? I wonder if (when) we visit Kindergarten , will we find anything about math there? What do you think we might find? We can do some <b>research</b>- find out more about math and kindergarten. We know that researchers always ask questions.</p>	<p><i>Gather children for a discussion. This can occur in Small Group time, at lunch or at your designated Large Group Math time.</i></p> <p><i>Children begin giving ideas about how math might be found in the kindergarten classrooms. Write down their ideas.</i></p>
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What are some questions that would help us find out more about kindergarten and math?  
I wonder: Do they have a number chart on the wall in kindergarten?  
Do they practice counting every day, like we do?  
I wonder if they have a math shelf?  
Do you think they play math games like we do?  
We have done a lot of problem-solving this year, when we collected data about a question.  
What would be some ways to find out and record the answers to our questions?  
We are going to visit Kindergarten on \_\_\_\_\_. We will keep these questions here on our chart.  
When we get ready to go, you can take some paper with you to help you remember the questions and answers. You can draw or write, or ask a teacher to help you write things down to remember.

*Write down the questions.  
Make suggestions as needed.*

*Continue writing questions.*

*Children can recall some of their problem-solving strategies from throughout the year.*

*When you take the field trip to Kindergarten, take along the questions. You can assign children different questions, or help them with their research and answers.*

*You can also form the questions in terms of a graph, as we have done several times throughout the year. (Sample attached.) Use simple graph if you have prepared one.*

***Strategies to Provoke Math Thinking:***

- Year in Review: The Week 5 Math Activities in each Unit focus on some aspect of problem-solving skills. During the last few weeks of school recall these problems with the children and talk about how they have grown as problem-solvers and math-thinkers this year.

***Provocation:***

- None- This activity crosses curriculum areas and uses analysis and other higher-level problem-solving skills.

\*\*Use Week 5 activities and extend into the remaining weeks of the school year.

Week 5 has 2 Suggested Large Groups and suggestions for Small Group activities. You can also create a List of Favorites and repeat.

## Finding Math in Kindergarten

Question	Yes	No
Is there a number chart or a number line?		
Do you play math games?		
Is there a Math Center?		
How do you solve problems with math?		

	Math Games	Counting	People Math	
What is your Favorite Math Activity?				