

Dear Parents,

We will begin our next unit of study in math soon. The information below will serve as an overview of the unit as you work to support your child at home. If you have any questions, please feel free to contact me. I appreciate your on-going support.

Sincerely,

Your Child's Teacher

| Unit Name: Data | | |
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| Common Core State Standards: 1.MD.4 Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another. | | |
| Essential Vocabulary: <ul style="list-style-type: none">• Category• Collect• Data• Different• Least• Less• More• Question• Same | | |
| Unit Overview: <p>First Grade students collect and use categorical data (e.g., eye color, shoe size, age) to answer a question. The data collected are often organized in a chart or table. Once the data are collected, First Graders interpret the data to determine the answer to the question posed. They also describe the data noting particular aspects such as the total number of answers, which category had the most/least responses, and interesting differences/similarities between the categories. As the teacher provides numerous opportunities for students to create questions, determine up to 3 categories of possible responses, collect data, organize data, and interpret the results, First Graders build a solid foundation for future data representations (picture and bar graphs) in Second Grade.</p> | | |
| Strategies/Skills: <p>In this unit, First Graders will:</p> <ul style="list-style-type: none">• Represent, interpret, and organize data• Ask and answer questions about data | | |
| Video Support: <ul style="list-style-type: none">• No videos are referenced for this unit. | | |
| Additional Resources: <p>If you have limited/no internet access, please contact your child's teacher for hard copies of the resources listed in this document.</p> <ul style="list-style-type: none">• NCDPI Additional Resources• https://www.khanacademy.org/math/early-math/cc-early-math-measure-data-topic/cc-early-math-data/e/sort-groups-by-count• https://www.khanacademy.org/math/early-math/cc-early-math-measure-data-topic/cc-early-math-data/e/solving-problems-with-picture-graphs-1 | | |

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Questions to Ask When Helping Your Child with Math Homework

Keep in mind that homework in elementary schools is designed as practice. If your child is having problems, please let the classroom teacher know. When helping your child with his/her math homework, you don't have to know all the answers! Instead, we encourage you to ask probing questions so your child can work through the challenges independently.

- What is the problem you're working on?
- What do the directions say?
- What do you already know that can help you solve the problem?
- What have you done so far and where are you stuck?
- Where can we find help in your notes?
- Are there manipulatives, pictures, or models that would help?
- Can you explain what you did in class today?
- Did your teacher work examples that you could use?
- Can you go onto another problem & come back to this one later?
- Can you mark this problem so you can ask the teacher for an explanation tomorrow?