

Grade 1 Important Math Information

Data



Dear Family,

Our class is beginning a new unit of study in mathematics called Data. During this unit of study students will collect, organize, and represent data. Students will also answer questions based on representations of data. The specific learning goals your student will be working on are listed below with examples of student work showing understanding of each learning goal.

Learning Goal: Organize, represent, and interpret data with up to three categories.	
Example Problems	Example Student Solutions
<p>Ms. Lemon asked her students the question:</p> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>Do you like to drink milk, juice, or water with your lunch?</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 5px;"> <p>8 students like to drink milk. 4 students like to drink juice. 5 students like to drink water.</p> </div> <p>Create a representation of the data that Ms. Lemon collected from her students.</p>	<p>What do you like to drink with lunch?</p> <p>“Since you could choose milk, juice, or water, I wrote each of those words on my paper. I drew lines between the words to organize my data. Next, I drew squares to show how many students like to drink milk, juice, or water with lunch. 8 students like to drink milk, so I drew 8 squares under milk. 4 students like to drink juice, so I drew 4 squares under juice. 5 students like to drink water, so I drew 5 squares under water.”</p>
<p>How many more students like to drink milk than water?</p>	<p>What do you like to drink with lunch?</p> <p>“8 students like milk and 5 students like water. I subtracted 5 from 8 and got 3. So, 3 more students like milk than water.”</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>3 more students like to drink milk than water.</p> </div>

Mathematical Thinking and Practices Learning Goal: Explain his/her. thinking and agree/disagree with others.



Things you can do at home to support your student throughout this unit of study:

- **Family and Friend Survey**

Help your student come up with a question and up to 3 categories that he/she can use to collect data from family members and/or friends (e.g., “Which meal do you like best – breakfast, lunch or dinner?”). Have your student record the responses and represent the data in an organized way.

