



About the Mathematics in This Unit (page 1 of 2)

Dear Family,

Our class is starting a new unit in math about data—the facts or information we collect about people and things in our world. Children will be posing questions, collecting and sorting information, and making representations of data as a way of sharing their findings with others.

Throughout this unit, students will be working toward these goals:

BENCHMARKS/ GOALS	EXAMPLE																
Use a Venn diagram to sort data by two attributes.	<p style="text-align: center;">Animals with Fur Pets</p>																
Identify categories for a set of categorical data and organize the data into chosen categories.	<p>What is your favorite food?</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 5px;">cereal</td> <td></td> <td style="padding: 5px;">pizza</td> <td style="padding: 5px;">ice cream</td> </tr> <tr> <td style="padding: 5px;">pancake</td> <td style="padding: 5px;">sandwich</td> <td style="padding: 5px;">chicken</td> <td style="padding: 5px;">grapes</td> </tr> <tr> <td style="padding: 5px;">Breakfast Food</td> <td style="padding: 5px;">Lunch Food</td> <td style="padding: 5px;">spaghetti</td> <td style="padding: 5px;">cookies</td> </tr> <tr> <td style="padding: 5px;">Breakfast Food</td> <td style="padding: 5px;">Lunch Food</td> <td style="padding: 5px;">Dinner Food</td> <td style="padding: 5px;">Snack Food</td> </tr> </table>	cereal		pizza	ice cream	pancake	sandwich	chicken	grapes	Breakfast Food	Lunch Food	spaghetti	cookies	Breakfast Food	Lunch Food	Dinner Food	Snack Food
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BENCHMARKS/ GOALS	EXAMPLE
Order and represent a set of numerical data.	How many pets do you have? $\begin{array}{cccccccc} X & X & & & & & & & \\ X & X & & & & & & & \\ X & X & X & X & X & & & & \\ \hline X & X & X & X & X & X & X & & X \\ \hline 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 \end{array}$
Describe a numerical data set, including the highest and lowest values and the mode.	The most pets anyone has is 8. The fewest pets anyone has is 0. The most common number of pets people have is 1.
Read and interpret a variety of representations of numerical and categorical data.	"In the graph above, the four Xs above the 1 show me that 4 people in our class have 1 pet each." "There are no Xs above the 7, so no one in our class has 7 pets."
Compare two sets of numerical data.	More people in the third-grade class have 2 pets than in our class. The most number of pets that people have in our class is 8 and the most number of pets in the third-grade class is 5.
Demonstrate fluency with +10 combinations.	$10 + 0 = 10$ $10 + 1 = 11$ $10 + 10 = 20$ $0 + 10 = 10$ $1 + 10 = 11$

Please look for more information and activities about data to be sent home soon.