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

Dear Family,

Our class is starting a new mathematics unit about patterns and functions called *Stories, Tables, and Graphs.* In this unit students learn about situations that involve change and ways to mathematically describe and represent this change. They use tables and graphs to represent how one quantity changes in relation to another quantity.
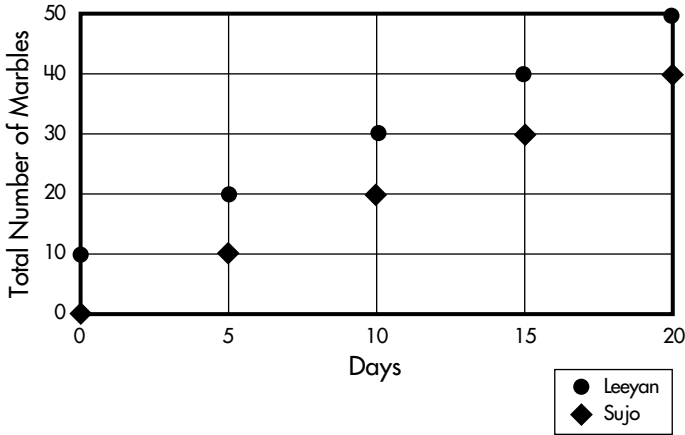
Throughout the unit, students will be working toward these goals:

BENCHMARKS/GOALS	EXAMPLES
Interpret graphs of change over time, including both the meaning of points on the graph and how the graph shows that values are increasing, decreasing, or staying the same.	How did the temperature change during the day?
Interpret temperature values (i.e., relate temperatures to seasons, to what outdoor clothing would be needed, and so on).	When I woke up it was cloudy and cool. By noon the sun came out and it was warm enough to play outside. In the evening, it got cooler and I needed an extra blanket to sleep that night.

Spring Day

(continued)

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BENCHMARKS/GOALS	EXAMPLES
Create a table of values for a situation with a constant rate of change and explain the values in the table in terms of the situation.	Children on the planet Rhomar receive Magic Marbles each night. Leeyan started with 10 marbles and receives 2 marbles each night. How many marbles will Leeyan have on the fifth day?
Compare related situations of constant change by interpreting the graphs, tables, and sequences that represent those situations.	Leeyan started with 10 marbles and receives 2 marbles each night. Sujo started with 0 marbles and receives 2 marbles each night. Will Leeyan and Sujo ever have the same number of marbles on the same day?

Number of Days	Total Number of Marbles
Beginning	10
1	12
2	14
3	16
4	18
5	?

Please look for more information and activities about *Stories, Tables, and Graphs* that will be sent home in the coming weeks.