



Dear Parents,

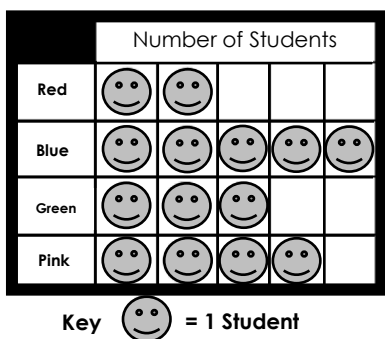
Over the next few weeks, we will be learning about **data** in math! The information below will help you to support your child as they learn these exciting, yet important first grade math skills.

The GOAL:

By the end of the unit, your child should be able to **use graphs and charts to show data that they have collected**. Children will also be able to **read pictographs, bar graphs, and tally charts and use them to solve problems**.

Pictograph

Students Favorite Colors



A **pictograph** is a way to show data using pictures. In the graph to the left, each smiley face represents one student.

In the pictograph, how many students like the color blue?

How many more students like blue than red?

How many students like green and pink?

Tally Chart

Favorite Pets		
Pet	Tally Marks	Number
		10
		4
		6

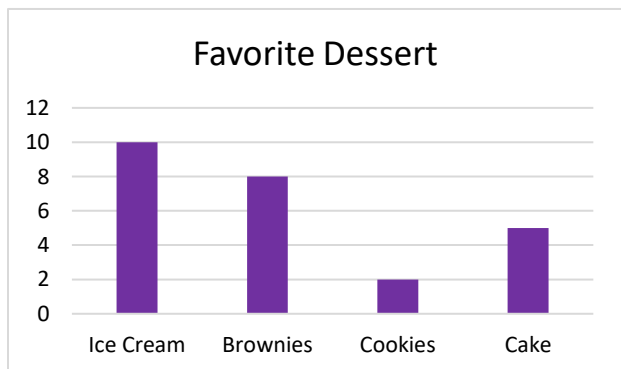
A **tally chart** is a way to show data using tally marks. In the chart to the left, each tally mark represents one response.

In the tally chart, how many students favorite pet is a cat?

How many more students like hamsters then dogs?

How many fewer students like dogs than cats?

Bar Graph



A **bar graph** is a way to show data using bars. In the graph to the left, bars represent the number of students who voted for their favorite dessert.

In the bar graph, how many students like cake?

How many more students like ice cream than cookies?

How many fewer students like cake than brownies?

Central Dauphin School District
Grade 1 Math: Unit 5 Parent Letter
Data



Grade 1 Math: PA Core Math Standards in Unit 5

CC.2.4.1.A.4: Represent and interpret data using tables/charts.

-- KEY MATH VOCABULARY --

Data: Information gathered by observation, questioning, or measurement, usually shown with numbers.

-- HOW YOU CAN HELP AT HOME --

- Take a survey of family members or friends on their favorite food, color, activity, etc., and make a tally chart to represent the data.
- Sort blocks, candy, toy cars, etc., by color and have your child record the data in a bar graph. (Parents should ask questions about the data in the graph).
- Look at different bar graphs, tally charts, pictographs in the newspaper, magazines, on cellphone apps, etc. and have children talk about what the data is showing. Compare the quantities within the graph.
- Next time you are driving, have your child record the number of cars, trucks, SUVs, motorcycles, they see driving on the road.