

This is a picture of a Compendium being used in the classroom. Additional processing with highlighting, circling and explaining words has been done. This processing is done based on the needs of your students. The inquiry chart has not been processed yet.

DATA

Collecting Data

Survey

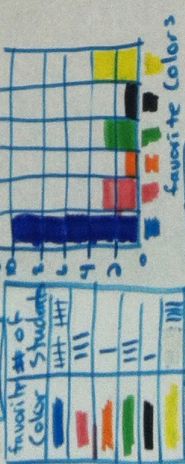
- ① Asking a question
- "What is your favorite color?"

record answers

- 10-blue 1 orange 1 black
- 3 red 3 green 4 yellow

Show data on a graph

Bar Graph



Describing Data

Mode 13 the # that occurs the most

Median 3 the middle number

Maximum 10 largest

Minimum 1 smallest

Range = maximum - minimum

Mean 4 add all the numbers and divide by how many numbers

(average) the set (think make equal groups)

STANDARDS

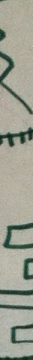
- We will collect data and use pictographs, bar graphs and line plots to represent data.
- We will collect measurement data and show it on a line plot to the nearest $\frac{1}{2}$ inch and $\frac{1}{4}$ inch.
- We will describe data using maximum, minimum, range, mean, mode and median.

DATA

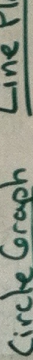
Information that is collected by counting, measuring, with surveys and questioning

Types of Graphs

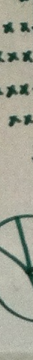
Bar Graph



Line Plot



Circle Graph



Tables

Favorite Cookie	Number
Peanut Butter	111111
Chocolate Chip	111
Biscochitos	111
Animal Crackers	1111

Describing Data

How many more votes for peanut butter than chocolate chip? 4 votes

How many fewer votes for biscochitos than peanut butter? 4 votes

What we know... Inquiry Data

What we want to learn... That there is graphs and what are all the graphs?

Who invented data?

What does data mean?

We want to learn a lot about data.

What do they use data for?

Data has pictures.

Data sometimes has to work with surveys.

Data has line graphs.