Grade 1

Unit 4: Data Analysis

About this Unit

First grade students develop understanding of collecting, representing, describing, and interpreting data. They pose questions and make representations of their findings and share them with others. Students represent data in a variety of ways, including pictures, bar graphs, tally charts, and Venn diagrams. Students sort a group of related objects and describe what distinguishes one group from the other.
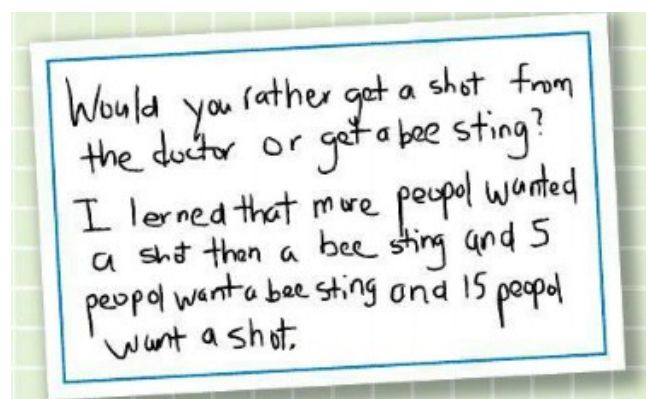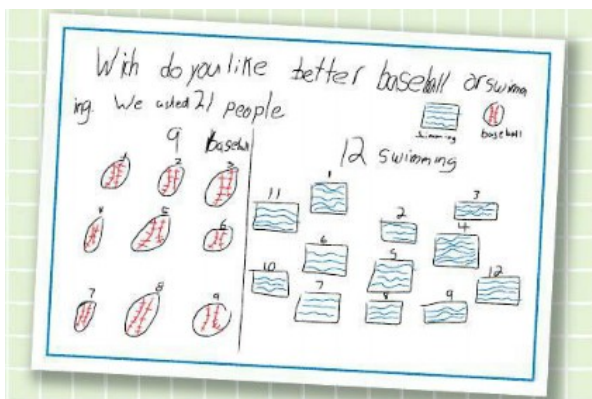
Sorting and Classifying Data

Students in Grade 1 are engaged in sorting and classifying objects such as buttons and shapes according to a particular attribute (e.g., size, shape, color, texture, etc.).

Collecting, Representing, and Describing Data

Students collect data by conducting surveys. They organize and represent their data by drawing pictures and using numbers.

They also use words to describe their data representations.

Helping Your Child at Home

- Sort objects around the house,   such as toys, but-
  tons, or rocks depending on partic-   ular attributes. Then,
  find different ways to sort the   same sets of objects.
  Have your child describe how they sorted.
- Keep a weekly weather journal to graph, describe, and represent different types of weather.
- Take a family survey and make a graph based on the data.
- Talk about graphs found in newspapers and magazines.

Visit the following Web sites for math activities:

- <u>Compare Balloon Pop</u> (http://sheppardsoftware.com)
Students compare two numbers on a set of balloons and "pop" the   balloon
that uses words and symbols to correctly compare the two numbers.

- <u>Investigations</u> (http://investigations.terc.edu/library/Games_K1.cfm)
Students can explore a variety of games leveled for K-1 students focusing on data.

- <u>Bar Graphs</u> (http://www.bbc.co.uk/bitesize/ks2/maths/data)
These activities allow students to collect and display data using tally charts, bar graphs, and pictographs.

- <u>Interpret Bar Graphs</u> (http://www.ixl.com/math/grade-1/interpret-bar-graphs)
This website provides bar graphs and questions that encourage students to interpret data.