



Data Analysis Primary Math

Overview:

Students will organize and interpret results of data collection from the voting results page at www.purpleamerica.us. Students will be divided into groups of 3 or 4 and together they will organize data in a chart, picture graph or bar graph.

Standards:

- Organizing and interpreting results through data collection to answer questions, solve problems, show relationships and make predictions.
- Collect data by asking questions, observing or taking a survey and put that data in a chart, picture graph or bar graph.
- Write a few sentences to describe and answer questions about data represented in a chart or graph.

Objectives:

When this lesson is completed, students will:
Organize data from the voting results page at www.purpleamerica.us.

Length:

1 class period for introduction
2 class periods for graphing
1 class period for sharing and discussion

Materials:

Access to voting results page at www.purpleamerica.us.
Materials for making graphs

Applications:

Step 1

As a class, explore the voting results page at www.purpleamerica.us. Teacher will model reading results (hover over states) and organize top three values into a graph. Teachers will guide students through making an example graph.

Step 2

Organize students in groups. Have students choose two or more states to organize data into a graph.

Step 3

Students will present their findings to the class. Generalizations and comparisons between graphs should be discussed.

Assessments:

Teachers should create a rubric to meet their expectations. Students should demonstrate an understanding of organizing data in a logical manner. Students should be able to answer questions about data represented in a graph.

