Data Collection and Analysis
3rd Grade
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Benchmark and SLC#:
Math SLC 24: Collects data, makes a table, chart, or graph with appropriate labels, titles, and scales to record and interpret the data and use this information to make comparisons and predictions.

Objective:
Students will collect data, create graphs or charts, and interpret the data collected.

Materials
• One large lined piece of paper for each group of students to present their graph
• Markers
• Pieces of paper for collecting each student’s vote
• Data collection sheet

Procedure:
Divide the class into groups of three or four students each. Give each group a piece of paper for data collection (see attached). Have each group decide on a topic they would like to poll the students on. Examples include favorite holiday, favorite food, favorite animal, etc. Pass out enough small pieces of paper for voting to each student.

Have one group go to the front of the classroom and tell their topic to the class. The students will then record their vote. The group will then collect their votes from all voting students. Continue this process until each group has presented their topic. Then have each group count their votes and record the data on their paper. After they have recorded this data, they may choose a way of representing the data. Examples include bar graph, pictograph, line graph, table, etc. Make sure each group labels all appropriate parts of the graph. When each group is finished, they may present their graph to the class. Have students analyze the graph by asking which category had the least or most votes, as time permits. Which methods of representation are easier to understand? Which ones are harder to understand? (i.e. how obvious is it that such-and-such a category had the most votes…)

Target Model:
-There are many different ways to represent data.
-Some ways of representing data are easier to understand and analyze.
Data Sheet

NAMES __________________________________________________

QUESTION __________________________________________________

Answer to Question __________________________ Number of Students
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