

Algebra/Geometry Institute Summer 2005

Lesson Plan I: What's The Teacher's Choice?

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School: Friars Point Elementary, Friars Point, MS

Grade Level: 5th Grade



1 Teaching objective: Students will demonstrate how to gather, organize, and display data in a chart and a graph.

2 Instructional Activities

- The students will find out how many teachers like hamburgers, salad, pizza, pasta or none of the offered food types. The data will be collected during the lunch hour on the day before the lesson is taught.
- The student will record each of the teacher's choice in his/her notebook.
- The students will be placed in groups of three or four to discuss the results of the collected data.
- The data will be placed in a chart like the chart below:

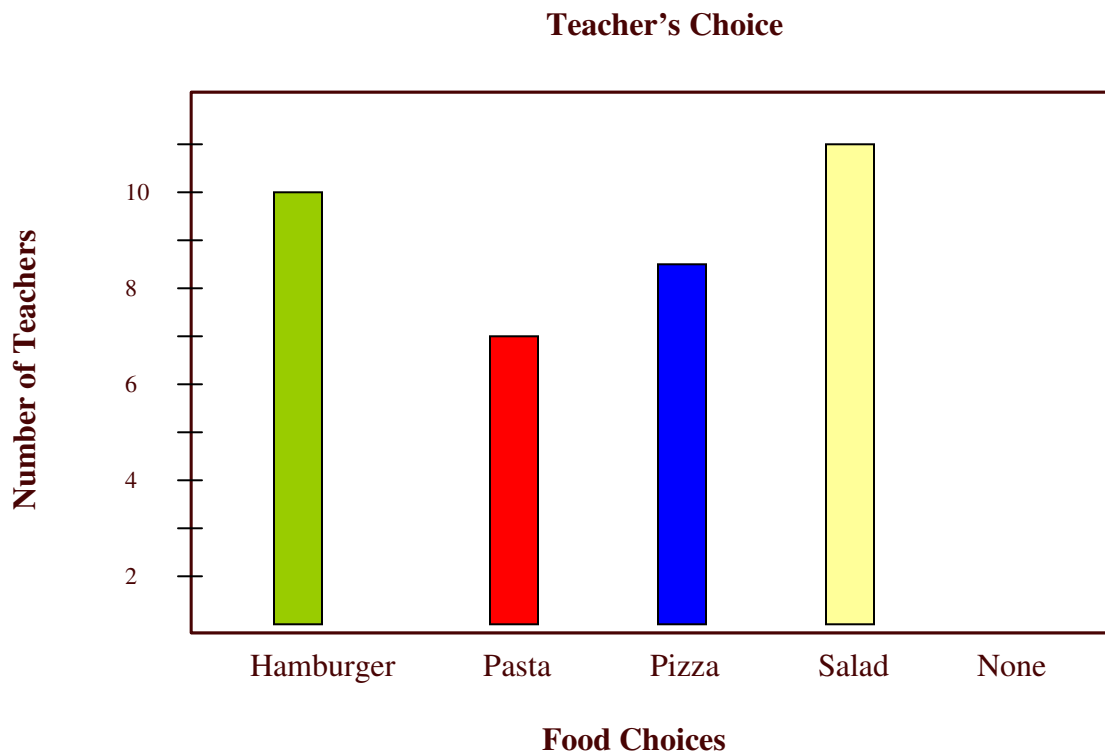
Teacher's Choice	
Food Choice	Number of Teachers
1. Hamburger	
2. Pasta	
3. Salad	
4. Pizza	
5. None	

Note: None means that there were teachers that did not like any of the food choices.

- The students will use the chart to create a bar graph that shows the relationship between the number of teachers and the food choices.
- Students will use the information from the chart and the graph to compile questions or word problems that may be solved or answered using the chart or the graph.
- The teacher will give sample questions to the students that they will use as a guideline in creating their own questions.
- After completing the assignment, the students will complete a journal entry describing the process used to complete the assignment.
- The teacher will give the students an activity composed of questions that can be answered by using the graph created by the student.

- Sample questions:
 - ❖ What food was chosen the most?
 - ❖ How many more teachers chose salad than hamburger?
 - ❖ What is the total number of teachers surveyed?
 - ❖ What food did the teachers least like?
 - ❖ How many more teachers choose pizza, pasta, and hamburger than salad?

Sample Bar Graph



- 3 **Materials and Resources**
- Pencil
 - Note pad for collecting the data
 - Graph paper
 - Crayons, coloring pencils, or markers

4 Assessment

- ❖ Observation will be the method used to assess the student's gathering, organizing, and displaying data in a chart and graph.
- ❖ The students will make a journal entry telling about what they did to complete the assignment.
- ❖ Grading the chart and the bar graph will also be an assessment of the students.