LESSON 7  COMPILING SURVEY RESULTS

Overview
Once the surveys are conducted, what happens to the survey results? Are they thrown away? NO! Students will understand how much work goes into tabulating and analyzing survey results.

Objective
Students will be able to:
1. Create a method for tabulating surveys with quantifiable results.
2. Compare survey responses based on age categories.

Procedure
Once the surveys have been handed in, students will divide the completed surveys into appropriate categories. Our surveys were divided into age groups, as follows:

1. (Parent of) 0 to 5 years old
2. 6 to 11 years old
3. 12 to 18 years old
4. 19 to 59 years old
5. 60+ years old.

The surveys were divided into groups according to age group of respondents. (We had each of our five classes tabulate just one age group.) There were 70-80 responses to tabulate for each age group. Each class was divided into groups of five or six students. The students within each group devised their own method of tabulating the 20-question survey. One method that seemed to work well was assigning one group member to the task of tally person.

Duration
One to three 50-minute periods to compile the surveys.

Materials
Clipboard for the tally person

Key Vocabulary
compiling, personal interest, tabulating

Subject:
Math
Social Studies
The tally sheet was set up as follows:

<table>
<thead>
<tr>
<th>Question #</th>
<th>Agree</th>
<th>Disagree</th>
<th>No Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

The tally person asks each of the group members to recite the response to question #1, and he/she tallies the responses. Repeat until all questions are tallied. Next double-check the responses against the tally sheet. Once all the groups finish tallying their survey questions, a final total for each age group should be calculated by adding the tally sheets together.

Teaching Tip:
Our students turned in 70-80 surveys for each age group. A manageable number of surveys for each student (within a group) is four. The tally person does not hold any of the survey forms. In a five-person group, therefore, the maximum number of surveys that should be tabulated is 16.

Assessment
Discuss the survey results with each class. Allow time for the students to reflect on similarities and differences in responses to individual survey questions between age categories (e.g. 0-5 yr vs. 6-11 yr; 19-59 yr vs. 60+ yr).

Content Standards Addressed

Language Arts

Standard 1. Meaning and Communication
♦ All students will read and comprehend general and technical material.

Standard 11. Inquiry and Research
♦ All students will define and investigate important issues and problems using a variety of resources, including technology, to explore and create texts.

Math

Strand III. Data Analysis and Statistics
Standard III.1 Collection, Organization and Presentation of Data
♦ Students collect and explore data, organize data into a useful form, and develop skill in representing and reading data displayed in different formats.
Standard III.2 Description and Interpretation

♦ Students examine data and describe characteristics of a distribution, relate data to the situation from which they arose, and use data to answer questions convincingly and persuasively.