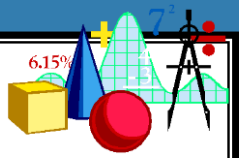
Mathematics, Grade 6
Unit IX: Lesson 2

Report: **Car Color**



What is your favorite car color? How about the public's favorite? You are going to find out? Review the methods of computing statistics.

Ask 50 or more people what their favorite car color is. Limit their response to primary colors. Organize your data into a frequency chart showing how many chose each color. Try to ask a wide variety of age groups of people, since a wide variety of age groups own and drive cars. Asking sixth grade students may not match the community, since not many sixth graders own or drive cars. You are then to take the colors people chose and determine if the cars in your community reflect the choices your survey participants made. Observe a large number of cars at the mall, in parking lots or passing by on the street. Make a frequency table of the colors of each. You may want a column labeled 'others' for cars that are a different color than in your study. The more cars you observe, the better your results will be. Compare this chart with your questionnaire.

Repeat the procedure using a new group of people to question and a new location for observing cars. You may want to see if the color frequencies change for different times of the day. Analyze your data and make a conclusion.

Present your information and conclusion to the class in the form of a report.