

## Prediction

Carefully read the investigation *before* stating your prediction.

**Predictions will vary.**

## Prelab Preparation



**Mathematics Connection** Define the term *frequency*.


**Frequency is the rate of occurrence of an event per unit time, or the number of occurrences out of the total possible occurrences.**

## Materials

graph paper  
calculator (optional)  
colored pencils (optional)

**You may want to assign the number of people to be surveyed. If so, the population should be between 30 and 50 people. You may have to arrange for students to visit other classes to complete their surveys.**

## Procedure

- Organize data** Work with a partner. Using the information in Data Table 12.1, develop a data record table to survey people for the 11 observable human traits listed. Set up your data record table on a separate sheet of paper.
-  **Cooperative learning** After completing your data record table, review your table with another group. Based on your discussion, make any changes in your table that you think will help you better organize and collect your data.
- Decide how many people you will include in your survey. Conduct your survey. You should begin with all the people in your class, including yourself.
- Graph** After collecting your data, develop a bar graph to show your results. Use a sheet of graph paper.

## Observations

- How many of the dominant traits do you have? \_\_\_\_\_
  - How many of the dominant traits does your partner have? \_\_\_\_\_