

Objective

By the end of this lesson, you will be able to interpret information from data displays.

Materials and Prep

- Paper
- Pencil
- Ruler

No prior knowledge is required for this lesson.

Activities

- **Create a Bar Graph:** Collect data on your favorite colors from your family members. Use the collected data to create a bar graph. Remember to label the axes and provide a title for your graph.
- **Analyze a Line Graph:** Look for a line graph in a newspaper or magazine article. Analyze the graph and write a short paragraph explaining what the graph is representing and any trends or patterns you notice.
- **Design a Pie Chart:** Choose a topic that interests you, such as types of pets or favorite sports. Collect data from your friends or online sources and create a pie chart to represent the data. Remember to label each section of the chart.

Talking Points

- **What are data displays?** Data displays are visual representations of information or data. They help us understand and interpret data more easily.
- **Why do we use bar graphs?** Bar graphs are useful for comparing different categories or groups of data. They make it easy to see which category has the highest or lowest value.
- **How do we interpret line graphs?** Line graphs show how data changes over time. We can look for trends or patterns in the line to understand how the data is changing.
- **What are pie charts used for?** Pie charts are used to show how a whole is divided into different parts or categories. Each section of the pie represents a percentage or proportion of the total.
- **Why is it important to label data displays?** Labels help us understand what the data represents. Without labels, the information may be confusing or misleading.