

## Objective

By the end of this lesson, Leslyne will be able to construct various types of graphs to display data, interpret the information presented, and describe the context of the data sets effectively.

## Materials and Prep

- Pencil and paper
- Ruler (for drawing straight lines)
- Colored pencils or markers (for adding visual appeal)
- Data sets (create simple data sets related to Leslyne's interests, such as favorite fruits, pets, or sports scores)

Before the lesson, prepare some simple data sets that Leslyne can use for graphing activities. Ensure to choose topics that interest her to keep her engaged.

## Activities

- **Creating a Bar Graph:**

Leslyne will choose her favorite fruits and gather data on how many of each fruit she has at home. She will then create a bar graph using this data, labeling each bar and coloring them for clarity.

- **Pie Chart of Hobbies:**

Leslyne will list her hobbies and assign a percentage based on how much time she spends on each. She will then draw a pie chart to visually represent her time allocation, explaining the significance of each section.

- **Line Graph of Daily Activities:**

Leslyne will track her daily activities over a week (e.g., hours spent on homework, playing, and reading) and create a line graph to show trends over time. She will analyze and discuss any patterns she observes.

## Talking Points

- "Graphs are a visual way to represent data, making it easier to understand."
- "Bar graphs are great for comparing different categories. How do we decide which category is the tallest?"
- "Pie charts show parts of a whole. Can you explain what each slice represents in your pie chart?"
- "Line graphs help us see changes over time. What trends do you notice in your daily activities?"
- "Interpreting data is just as important as creating graphs. What story does your graph tell?"