Unit 6, Lesson 21

Weekend Investigation

Let's find out how students spend free time on the weekend.

Warm-up

Number Talk: Fractions of 60

Find the value of each expression mentally.

- $\frac{1}{4} \times 60$

- $\frac{3}{4} \times 60$

- $\frac{5}{4} \times 60$

- $\frac{9}{4} \times 60$

Activity 1

Data Collection

Imagine you have 2 hours of free time this weekend that you can spend any way you like.

1. How would you spend it? Record your answer in halves, fourths, or eighths of an hour. Explain or show your reasoning.

2. Record the time for each activity from your list on the appropriate poster.

Activity 2

Data Analysis

Your teacher will assign a poster with a data set for one of the categories from the previous activity.

1. Create a line plot that represents the data. Make sure to label the line plot.

2. Analyze the data. Tell the story of your data. Choose at least 3 things you learn about the data. Use the following questions if they are helpful.
   - What is the total number of hours the class spends on this activity?
   - What is the difference between the greatest time and the least time?
   - Is there anything surprising?
   - How many data points are there? What does that tell you?
   - What fraction of your classmates spend less than 1 hour on this activity? More than 1 hour?