Lesson 21: Weekend Investigation (Optional)

Standards Alignments

Addressing   5.MD.B.2, 5.NF.A.2, 5.NF.B.4

Teacher-facing Learning Goals

- Create line plots and use the information to solve problems.
- Solve problems involving addition and subtraction of fraction with unlike denominators.

Student-facing Learning Goals

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

Lesson Purpose

The purpose of this lesson is for students to apply their understanding of making line plots and using operations with fractions to analyze data.

This lesson is optional because it does not address any new mathematical content standards. This lesson does provide students with an opportunity to apply precursor skills of mathematical modeling. In this lesson, students brainstorm and define categories of how to spend time. Then they collect and represent data on a line plot. They analyze and describe the data to tell a story about the time use.

When students define categories, choose and ask questions, collect and analyze data, and tell a story about the situation based on data, they model with mathematics (MP4).

Access for:

♿ Students with Disabilities

- Engagement (Activity 1)

🌐 English Learners

- MLR8 (Activity 2)

Instructional Routines

Number Talk (Warm-up)

Lesson Timeline

Warm-up	10 min

Teacher Reflection Question

As students worked together today, where did you see evidence of the mathematical

Activity 1	15 min
Activity 2	20 min
Lesson Synthesis	10 min

community established over the course of the school year?