Objective

By the end of this lesson, Summer will understand how to tell time using fractions, specifically focusing on how fractions of an hour relate to minutes and how to represent time as fractions on a clock.

Materials and Prep

- Paper and pencil for notes and practice
- A clock with hands (or a drawing of a clock)
- Fraction circles (drawn on paper or created with cutouts)
- Timer or stopwatch for activities

Before the lesson, ensure that Summer is familiar with basic fractions (like 1/2, 1/4, and 3/4) and can identify the hour and minute hands on a clock.

Activities

- **Fraction Clock Exploration**

  Using a drawing of a clock, Summer will label the fractions of the hour. For example, she will identify that 1/2 an hour is 30 minutes and 1/4 of an hour is 15 minutes.

- **Time Matching Game**

  Create flashcards with different times on one side and their fractional equivalents on the other. Summer will match the time to its fraction (e.g., 3:00 = 1/4 of the day).

- **Fraction Relay Race**

  Set a timer for 10 minutes. Summer will race against the clock to solve fraction problems related to time, like "What is 1/4 of 60 minutes?" She can write her answers down and check them afterward.

- **Story Time with Fractions**

  Summer will create a short story involving characters who need to solve problems using fractions of time. For instance, "If Sarah has 1/2 an hour to finish her homework, how many minutes does she have?"

Talking Points

- "What do you think happens when we divide an hour into smaller parts?"
- "Can you show me what 1/2 of an hour looks like on the clock?"
- "If I say we have 15 minutes left, what fraction of an hour is that?"
- "How many minutes are in 1/4 of an hour? Can you calculate that?"
- "Why do you think it's useful to know fractions of time? Can you think of a real-life situation?"
- "Let's think about a day. If we divide it into 4 parts, how long is each part?"
- "What do you notice about the relationship between minutes and fractions?"
- "Can you think of a fun way to remember these fractions of time?"
- "How does understanding fractions help us manage our time better?"