

Lesson 11: Solve Problems Involving Time (Part 2)

Standards Alignments

Addressing 3.MD.A.1

Teacher-facing Learning Goals

- Solve problems involving addition and subtraction of time intervals in minutes.

Student-facing Learning Goals

- Let's solve more problems involving time.

Lesson Purpose

The purpose of this lesson is for students to solve problems involving addition and subtraction of time intervals in minutes.

In this lesson, students use any strategy and representation to solve problems involving elapsed time. The problems involve unknowns in all positions: start time, end time, and duration. When students recognize the mathematical features of familiar real-world objects and use those features to solve problems, they model with mathematics (MP4).

This lesson has a Student Section Summary.

Access for:

Students with Disabilities

- Representation (Activity 1)

English Learners

- MLR8 (Activity 1)

Instructional Routines

Notice and Wonder (Warm-up)

Materials to Gather

- Materials from a previous activity: Activity 1

Lesson Timeline

Warm-up	10 min
Activity 1	15 min

Teacher Reflection Question

Who got to do math today in class and how do you know? Identify the norms or routines that allowed those students to engage in mathematics. How can you adjust these norms

Activity 2	20 min
Lesson Synthesis	10 min
Cool-down	5 min

and routines so all students do math tomorrow?

Cool-down (to be completed at the end of the lesson)

 5 min

Time and Time Again

Standards Alignments

Addressing 3.MD.A.1

Student-facing Task Statement

Solve each problem. Explain or show your reasoning.

1. Jada had a dance class on Saturday. It started at 10:30 a.m. and ended at 11:48 a.m. How long was her dance class?
2. Another day, Jada finished her dance class at 11:55 a.m. The class was 40 minutes long. What time did her class start?

Student Responses

1. 78 minutes or 1 hour and 18 minutes. Sample response: I started at 10:30 and jumped 30 minutes to 11:00, 30 more minutes to 11:30, 15 minutes to 11:45, and then 3 minutes to 11:48. I jumped a total of 78 minutes.
2. 11:15 a.m. Sample response: $55 - 40 = 15$