

LESSON 6 – ELAPSED TIME USING NUMBER LINES (PT 2)

Objective

Students will use number lines to find elapsed time.

Materials

Warm – Up 5
Math Journal Lesson 6
Lesson 6 Presentation
Reflection Slip

WARM – UP:

Keep total warm-up time between 5 – 6 minutes. This includes time for students to work and time to review answers.

LESSON:

This lesson is an extension of lesson 5. Students move from working with elapsed time problems within 60 minutes to problems within 90 minutes.

Time problems, in this lesson, cross over one hour to another hour (i.e. from 1pm to 2:30pm). Crossing over hours can be challenging for some kids. It's helpful for students to determine the number of minutes between equal segments on given number lines **and** fill in the times above each tick mark on number lines.

In this lesson, students continue to plot start and end times on a number line. They then hop along the number line and count the jumps to find the elapsed time.

Use the Lesson Presentation to guide students through the different lesson components:

- **Watch Me First** (Model math concepts for students)
- **Let's Work Together** (Ask questions and solve problems with students)
- **Your Turn** (Students work in pairs or individually to solve problems)

Helpful Tips:

- Do not staple "My Clock" template into the student journal because your students will use it throughout the unit as a helpful support.
- It's important that you preview the Power Point (Lesson Presentation) and all the materials before using with your students.

REFLECTION:

Provide students time to independently complete the reflection.

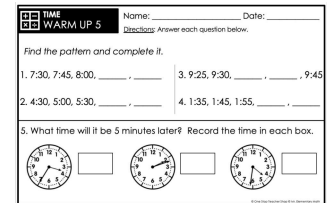
DIFFERENTIATION

Intervention

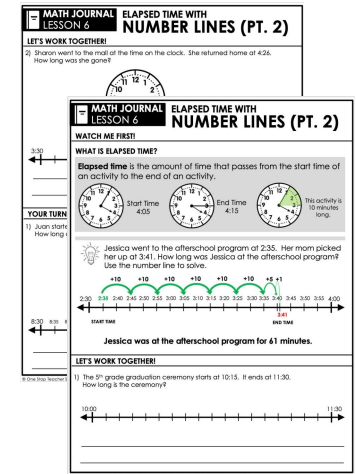
Use Elapsed Time Mat C (included in manipulative pack) to provide additional support to students.

Early Finishers

Students complete Extra Practice Activity.

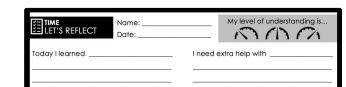


TIME WARM UP 5 Name: _____ Date: _____
 Directions: Answer each question below.
 Find the pattern and complete it.
 1. 7:30, 7:45, 8:00, _____, 3. 9:25, 9:30, _____, 9:45
 2. 4:30, 5:00, 5:30, _____, 4. 1:35, 1:45, 1:55, _____
 5. What time will it be 5 minutes later? Record the time in each box.
 [Clock face] [] [Clock face] [] [Clock face] []



MATH JOURNAL LESSON 6 ELAPSED TIME WITH NUMBER LINES (PT. 2)
LET'S WORK TOGETHER!
 2) Sharon went to the mall at the time on the clock. She returned home at 4:24. How long was she gone?
 [Clock face showing 3:30]

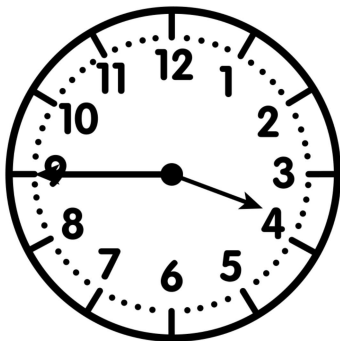
MATH JOURNAL LESSON 6 ELAPSED TIME WITH NUMBER LINES (PT. 2)
WATCH ME FIRST!
WHAT IS ELAPSED TIME?
 Elapsed time is the amount of time that passes from the start time of an activity to the end of an activity.
YOUR TURN
 1) Juan started How long?
 [Clock face showing 3:30] Start time 4:00 [Clock face showing 4:15] End time 4:15 [Clock face showing 4:30] The activity is 30 minutes long.
 Jessica went to the afterschool program at 2:35. Her mom picked her up at 3:41. How long was Jessica at the afterschool program? Use the number line to solve.
 [Number line from 2:30 to 4:00 with jumps of 15 minutes: 2:30, 2:45, 3:00, 3:15, 3:30, 3:45, 4:00]
 Jessica was at the afterschool program for 41 minutes.
LET'S WORK TOGETHER!
 1) The 5th grade graduation ceremony starts at 10:15. It ends at 11:30. How long is the ceremony?
 [Number line from 10:00 to 11:30 with tick marks every 15 minutes]



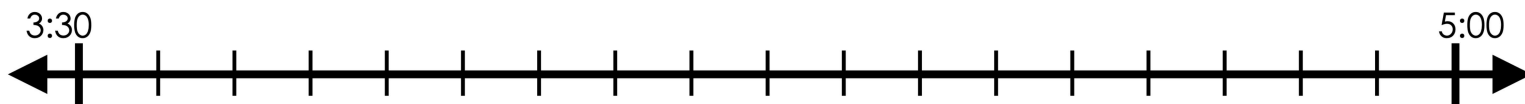
TIME LET'S REFLECT Name: _____ My level of understanding is: [] [] [] []
 Date: _____
 Today I learned _____ I need extra help with _____

LET'S WORK TOGETHER!

- 2) Sharon went to the mall at the time on the clock. She returned home at 4:26. How long was she gone?

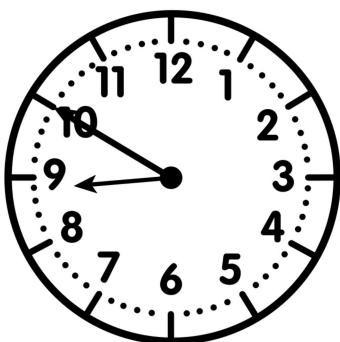


Time = _____

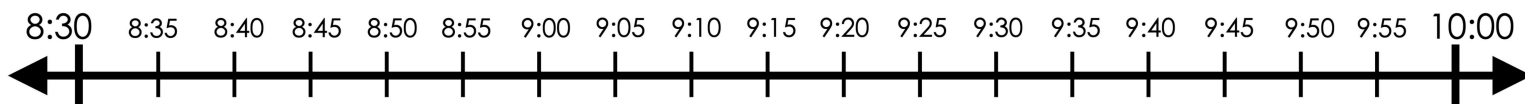


YOUR TURN!

- 1) Juan started cooking breakfast at the time on the clock. He finished at 9:17 a.m. How long did it take Juan to cook breakfast?

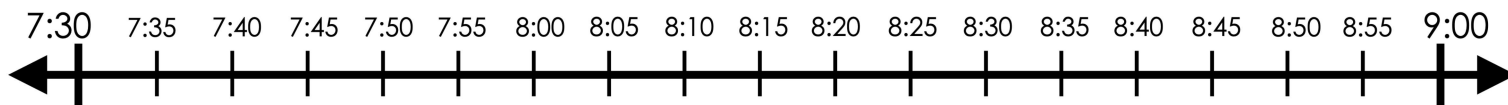


Time = _____

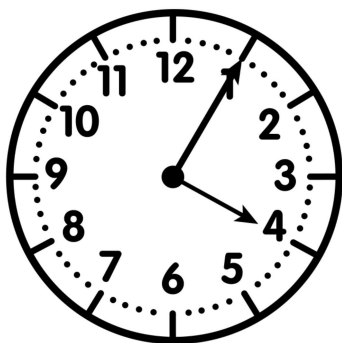


YOUR TURN!

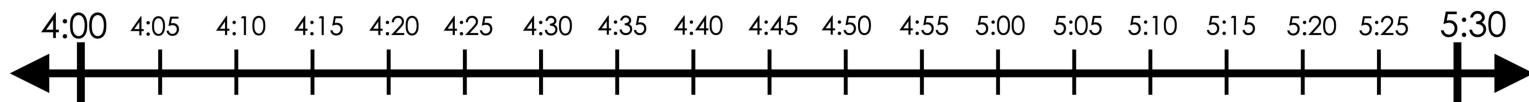
- 2) Bryce went to a basketball game that started at 7:35 p.m. The game ended at 8:55 p.m. Use the number line to determine how long the basketball game lasted.



- 3) Max started his homework at the time on the clock. He finished at 4:58 p.m. How long did it take Max to complete his homework?



Time = _____

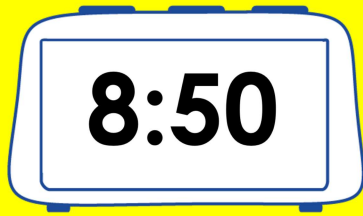




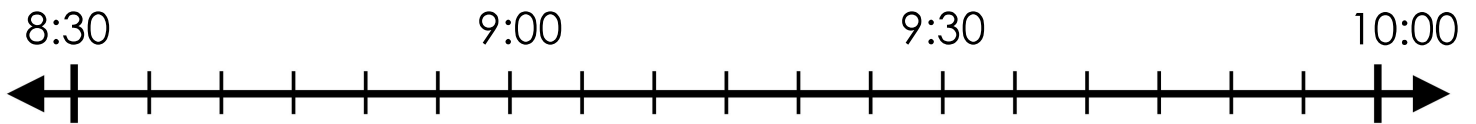
YOUR TURN!

4) Maggie watched her favorite movie Saturday night. How long was the movie?

Start time



End time





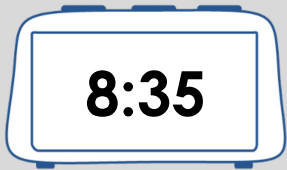
TIME PASSED

Name: _____

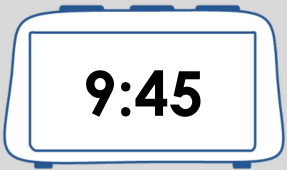
Date: _____

DIRECTIONS: Use the number line to solve each problem.

1) How much time passed? Use the number line to solve.

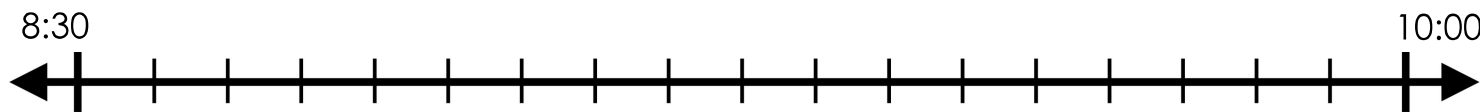


8:35
Start Time

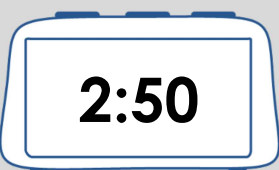


9:45
End Time

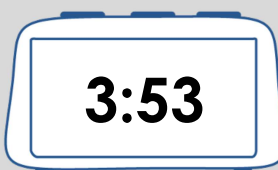
Answer



2) How much time passed? Use the number line to solve.

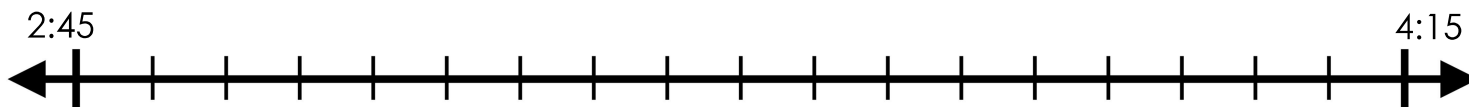


2:50
Start Time

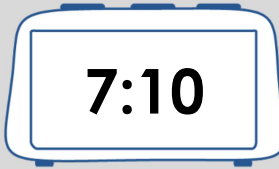


3:53
End Time

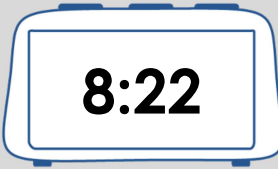
Answer



3) How much time passed? Use the number line to solve.



7:10
Start Time



8:22
End Time

Answer

