

LESSON 3: VISUALIZING TIME AS A VOLUME

Directions

DONE (the goal)

In this lesson, you will learn to visualize the amount or volume of time a task will take to complete. This skill is important when you are mentally planning how to use your time to accomplish a goal. Many in-class assignments need to be finished within a limited amount of time. Many daily tasks and events—like getting ready for school in the morning or waiting in line at the movies—take up volumes of time that you can learn to predict and see in advance. The more you practice seeing volumes of time, the more comfortable and efficient you will become at planning and accomplishing your goals within the time you have available.

DO (the steps you will take)

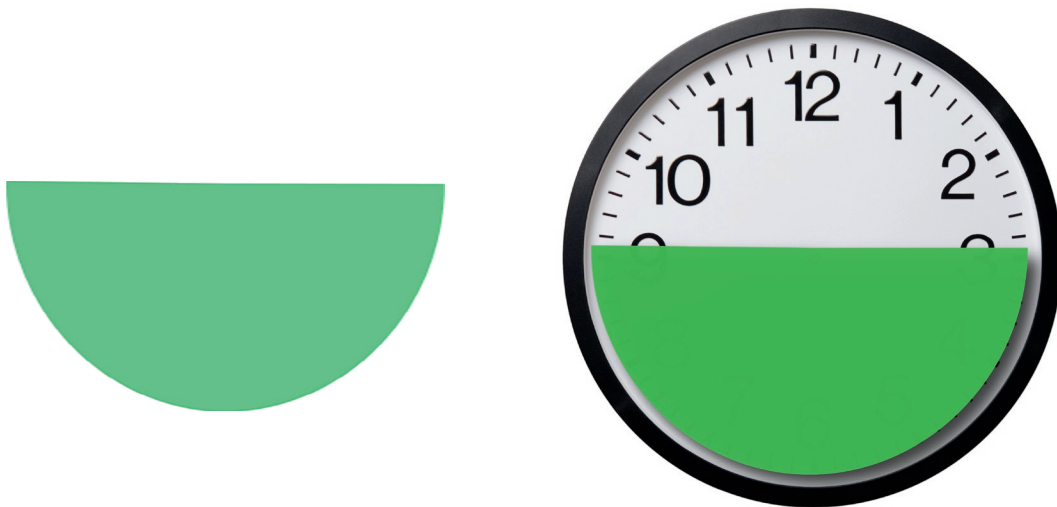
- Read the student scenarios provided. For each scenario, do the following:
- Select a wedge of time that matches the volume of time described.



- Place the wedge on the surface of a Working Clock or clock image and rotate that wedge/volume to appear the way it would on the clock.

Example:

Tyler and his friend played a board game from 5:15 p.m. to 5:45 p.m.
How long did they spend playing?



GET READY (the materials you will need):

- A copy of the Wedges of Time from Appendix B (cut out these Wedges so that you can move them around a clock)
- Working Clock or clock image
- Online option: you can pick out the appropriate time wedge for each scenario from Appendix B and then sketch an approximation of that wedge on an online whiteboard clock

Activity: Scenarios for Visualizing Time as a Volume

Eliot practiced the piano from 3:15 p.m. to 3:45 p.m. How much time did he spend practicing?	Gabrielle and Gabrielle's parents started eating dinner at 6:10 p.m. They finished at 6:30 p.m. How long did they spend eating dinner?
Denny's gym class started at 12:45 p.m. It was over at 1:30 p.m. How long was the class?	Rachel started making her bed at 8:40 a.m. She finished at 8:45 a.m. How long did it take her to make her bed?
Ashley and some friends wanted to finish watching a movie that they started watching the other day. They turned on the movie at 8:20 p.m. The movie was over at 8:50 p.m. How much time did they spend finishing the movie?	Myles needed to vacuum the family room in the basement before his friends came over to do a group project. He started vacuuming at 6:30 p.m. He was finished by 6:45 p.m. How much time did he spend vacuuming?
Marguerite gets out of the shower at 6:55 a.m. She will need to leave the house for school at 7:15 a.m. How much time can she spend getting ready?	Jamal starts soccer practice at 5:30 p.m. Practice ends at 6:15 p.m. How long does practice take?

<p>Miranda is reading. It is 3:30 p.m. Her mom tells her that she needs to leave the apartment at 3:50 p.m. to drive to chorus practice. How much more time does Miranda have available to read?</p>	<p>Andy is on the train going to Boston. She looks at her watch, and it is 10:15 a.m. The train is scheduled to arrive at the station at 10:30 a.m. How much longer will she be on the train?</p>
<p>Helene started blow-drying her hair at 7:15 a.m. She finished at 7:25 a.m. How much time did she spend blow-drying her hair?</p>	<p>It is 2:45 p.m. Asa starts waiting for the bus, which finally arrives at 2:55 p.m. How long was the wait?</p>
<p>It is a hot summer day, and the popular ice-cream stand is busy. Quinn gets in line for ice cream at 2:30 p.m. He waits in line until 2:45 p.m. How long does he wait to place his order?</p>	<p>Lily got in line at airport security at 4:45 p.m. The line took a little while, and she finally entered the terminal at 5:05 p.m. How long did it take her to get through security?</p>
<p>Tony put a cake in the oven at 3:15 p.m. The buzzer went off at 4:00 p.m. to tell him the cake was done. How long did the baking take?</p>	<p>Jada got into bed at 8:00 p.m. She read until 8:30 p.m. before she turned out the light to go to sleep. How much time did she spend reading?</p>

<p>John's online history class ends at 10:50 a.m. The next online class starts at 11:00 a.m. How long is the break between classes?</p>	<p>Natasha arrived at the doctor's office at 12:30 p.m. for a checkup. She sat in the waiting room and then met with her doctor until 1:10 p.m. How much time did she spend at the doctor's office?</p>
<p>Arden went to the pool to swim with friends. They arrived at the pool at 12:15 p.m. They headed to the locker room to change, apply sunscreen, and store their belongings in lockers. It was 12:25 p.m. when they hopped into the pool. How long did they spend getting ready to swim?</p>	<p>During their field trip to a museum, a class watched a robot demonstration that started at 11:00 a.m. The demonstration ended, and the students headed to the second floor of the museum at 11:15 a.m. How long did the demonstration last?</p>