**Exploring Time**

### Overarching Student Learning Goals

In this unit, your child will work to build an understanding of the following:

**Tell and write time to the nearest minute.**

- Students are able to determine the digital time from an analog clock.
- Students are also able to create the analog clock from a given digital time.

<table>
<thead>
<tr>
<th>11:15</th>
<th>4:15</th>
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**Use addition and subtraction to solve problems about time.**

Students use addition and subtraction with use of a number line tool to solve problems about time.

*Example:* It is 11:15 AM. Lunch is at 11:50 AM. How many minutes until lunch?

\[
\begin{align*}
15 \text{ minutes} + 20 \text{ minutes} &= 35 \text{ minutes} \\
11:15 &\quad 11:30 \quad 11:50
\end{align*}
\]

**OR...**  

\[11:50 - 11:15 = 35 \text{ minutes}\]

### Resources/Tasks to support your child at home.

- **It’s That Time!** – Randomly throughout the day yell, “It’s that Time!” and have your child look at their analog wrist watch to determine the time to the nearest minute.  

- **Pose problems involving elapsed time by giving the start and end time to a scenario or situation.** Have your child use addition/subtraction on a number line to determine how much time it took, or the elapsed time.
  - LearnZillion: Solving Elapsed Time Problems to the Nearest Minute [https://goo.gl/k1Pv7o](https://goo.gl/k1Pv7o)
  - LearnZillion: Solving Elapsed Time Using a T-Chart [https://goo.gl/Segwe2](https://goo.gl/Segwe2)
  - Khan Academy: Telling Time With Number Line [https://goo.gl/CWUjST](https://goo.gl/CWUjST)
  - Interactive Game: Stop the Clock [https://goo.gl/z58ge4](https://goo.gl/z58ge4)

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For more information on the learning goals and your child’s progress, please contact your child’s teacher.
**Grade 3**

**Solve one- and two-step problems about elapsed time (start time unknown, end time unknown, elapsed time).** Students determine if the story problem is asking them to determine the start time, end time or elapsed time. They use number lines to solve.

**Example One Step Elapsed Time Unknown Problem:** Tony left for school at 7:35 A.M. He arrived at school at 8:13 A.M. How long did it take Tony to get to school?

![Number line example](https://example.com/number-line.png)

**Example Two Step End Time Unknown Problem:** Tony left for school at 7:35 A.M. It took him 23 minutes to get to the bakery. It took him 15 minutes to get from the bakery to school. What time did Tony get to school?

![Number line example](https://example.com/number-line.png)

- Have your child determine the elapsed time at home with different activities:
  - Amount of time it took to get from home to soccer practice.
  - Elapsed time of dinner baking.
  - Start time of an event when given elapsed time and end time.
  - Amount of time it takes on a family vacation to get from one location to another based on start time and end time given.

- Encourage your child to draw number line models when problem solving with end time, start time, and elapsed time story problems.

- Elapsed Time on a Virtual Clock - [https://bit.ly/1E7rLhB](https://bit.ly/1E7rLhB)


- Interactive Clock: Elapsed Time, Elapsed Time Two [https://goo.gl/v2gbws](https://goo.gl/v2gbws)

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