Domain: Measurement and Data Grade: 2

Core Content

Cluster Title: Work with time and money.

Standard 7: Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.

MASTERY Patterns of Reasoning:

Conceptual:

Students will understand that the numbers on an analog clock are divided into intervals of five minutes.
Students will understand that a day is 24 hours long and is divided into two 12-hour segments, one being called a.m. and the other p.m.

Procedural:

Students can look at a clock, count by fives to the position of the minutes hand, note the position of the hour hand, and figure out the time to the nearest five minutes.
Students can use analog and digital clocks.
Students can write the time using correct format (e.g., 5:40 p.m.) to the nearest five minutes.

Representational:

Students can use both digital and analog clocks.
Students can include a.m. and p.m.

Code: 2MD7

Supports for Teachers

Critical Background Knowledge
Conceptual: Students will understand that there are 60 minutes in an hour and 30 minutes in a half-hour. Students will understand the difference between analog and digital clocks. Students will understand the minute hand and how it moves (i.e., goes around the clock in one hour). Students will understand the hour hand and how it moves (i.e., goes around the clock in 12 hours). **Procedural:** Students can skip-count by fives (2.NBT.2). **Representational:** Students can use both digital and analog clocks.
Academic Vocabulary and Notation
time, clock, analog, digital, hours, minutes, a.m., p.m.

Instructional Strategies Used	Resources Used
Use commercial or homemade student clocks. Move the minute hand around the clock five minutes at a time (skip-counting by fives). Match times on digital and analog clocks. Use real-life examples to teach a.m. and p.m.	http://www.k-5mathteachingresources.com/measurement-and-data-activities.html http://www.fi.edu/time/Journey/JustInTime/contents.html http://www.ixl.com/math/grade-2

Assessment Tasks Used	
Skill-Based Task: Ask students to tell time to the nearest five minutes from an analog clock. Give them context to determine whether the time is a.m. or p.m.	**Problem Task:** Have students record their activities throughout the day, labeling them as a.m./p.m. Activities could include: wake up, eat breakfast, start school, recess, school ends, sports practice, music practice, play with friends, eat dinner, and go to bed.