

Chapter 7: Money and Time

Content Area: **Mathematics**
Course(s): **Math 2**
Time Period: **March**
Length: **13 Days**
Status: **Published**

Unit Summary

In this unit, students will learn the values of pennies, nickels, dimes, quarters and bills and find the total value of a group of money. Students will also read times shown on analog and digital clocks to the nearest 5 minutes and learn about am and pm.

Standards

MA.2.MD.C.7	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.
MA.2.MD.C.8	Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately.
MA.K.MD.B	Classify objects and count the number of objects in each category.
CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP2.1	Career-ready individuals readily access and use the knowledge and skills acquired through experience and education to be more productive. They make connections between abstract concepts with real-world applications, and they make correct insights about when it is appropriate to apply the use of an academic skill in a workplace situation.
TECH.8.1.2.A.CS1	Understand and use technology systems.
TECH.8.1.2.A.CS2	Select and use applications effectively and productively.

Student Learning Objectives

Students will learn to...

- Find the total values of collections of dimes, nickels, and pennies.
- Find the total values of collections of quarters, dimes, nickels, and pennies.
- Order coins in a collection by value and then find the total value.
- Represent money amounts less than a dollar using two different combinations of coins.
- Show one dollar in a variety of ways.
- Find and record the total value for money amounts greater than \$1.
- Solve word problems involving money by using the strategy act it out.
- Tell and write time to the hour and half hour.
- Tell and write time to the nearest five minutes.
- Practice telling time to the nearest five minutes.
- Tell and write time using A.M. and P.M.

Essential Questions

- How do you use the values of coins and bills to find the total value of a group of money, and how do you read times shown on analog and digital clocks?
- How do you find the total value of a group of dimes, nickels, and pennies?
- How do you find the total value of a group of coins?
- How do you order coins to help find the total value of a group of coins?
- How do you choose coins to show a money amount in different ways?
- How can you show the value of one dollar with coins?
- How do you show money amounts greater than one dollar?
- How does acting it out help when solving problems about money?
- How do you tell time to the hour and half hour on a clock?
- How do you tell and show time to five minutes?
- What are the different ways you can read the time on a clock?
- How do you use A.M. and P.M. to describe times?

Enduring Understandings

Students will understand...

- the values of pennies, nickels, dimes, quarters and bills and use the counting on (starting with the largest value coin) method to find the total value.
- how to read times shown on analog and digital clocks to the nearest 5 minutes
- understand the difference between am and pm.

Application

Students will be able to independently use their learning to...

- apply the values of pennies, nickels, dimes, quarters and bills.
- count on starting with the largest value coin method to find the total value.
- read times shown on analog and digital clocks to the nearest 5 minutes.
- understand the difference between am and pm.

Skills

Students will be skilled at...

- identifying, sorting and counting dimes, nickels, pennies, quarters
- Showing money amounts in more than one way
- identifying amounts to show one dollar
- making amounts greater than one dollar
- Problem solving money problems
- showing and telling time to the hour, half hour, and 5 minutes

- telling times as AM and PM.