

Chapter 1- Number Concepts

Content Area: **Mathematics**
Course(s): **Math 2**
Time Period: **September**
Length: **18 Days**
Status: **Published**

Unit Summary

In this unit, students will learn about odd and even numbers, place value, expanded form, and different ways to write and name numbers. Students will also learn about how to use patterns to help them solve problems within 1,000.

Standards

MA.2.OA.C.3	Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.
MA.2.NBT.A.2	Count within 1000; skip-count by 5s, 10s, and 100s.
MA.2.NBT.A.3	Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.
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...

- Classify numbers up to 20 as even or odd.
- Write equations with equal addends to represent even numbers.
- Use place value to describe the values of digits in 2-digit numbers.
- Write 2-digit numbers in expanded form
- Write 2-digit numbers in word form, expanded form, and standard form.
- Apply place value concepts to find equivalent representations of numbers.
- Solve problems by finding different combinations of tens and ones to represent 2-digit numbers using the strategy find a pattern.
- Extend counting sequences within 100, counting by 1s, 5s, and 10s.
- Extend counting sequences within 1,000, counting by 1s, 5s, 10s, and 100s.

Essential Questions

- How do you use place value to find the values of numbers and describe numbers in different ways?
- How are even numbers and odd numbers different?
- Why can an even number be shown as the sum of two equal addends?
- How do you know the value of a digit?
- How do you describe a 2-digit number as tens and ones?
- What are different ways to write a 2-digit number?
- How can you show the value of a number in different ways?
- How does finding a pattern help you find all the ways to show a number with tens and ones?
- How do you count by 1s, 5s, and 10s with numbers less than 100?
- How do you count by 1s, 5s, 10s, and 100s with numbers less than 1,000?

Enduring Understandings

Students will understand that...

- place value can be utilized to find the values of numbers and describe numbers in different ways.

Application

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

- utilize place value to find the values of numbers and describe numbers in different ways.

Skills

Students will be skilled at...

- discriminating between even and odd numbers.
- Representing even numbers.
- Understanding place value.
- Showing numbers in expanded form.
- Writing numbers in different ways.
- Providing different names for numbers.
- Problem solving tens and ones.
- Counting patterns within 100.
- Counting patterns withing 1,000.