

3rd Grade Math: Counting in Word and Standard Form

Lesson Objective:

By the end of this lesson, students will be able to:

- Write numbers in both word form and standard form.
- Read and identify numbers written in word form and standard form.
- Understand the relationship between word form and standard form.

1. Introduction to Numbers

Standard Form:

- **Standard Form** is the usual way of writing numbers using digits. For example, the standard form of "twenty-five" is written as **25**.

Word Form:

- **Word Form** is writing numbers using words. For example, the word form of **25** is "twenty-five."

2. Converting Numbers to Word and Standard Form

Activity 1: Writing Numbers in Word Form

1. **Materials:** Number cards (e.g., 13, 27, 42), paper, pencils.
2. **Instructions:**
 - Show a number card to the students.
 - Ask students to write the number in word form on their paper. For example, if the card shows **42**, students should write "forty-two."
 - Review the answers as a class and correct any mistakes.

Activity 2: Writing Numbers in Standard Form

1. **Materials:** Word form cards (e.g., "eighty-nine," "seventy-three"), paper, pencils.
2. **Instructions:**
 - Show a word form card to the students.
 - Ask students to write the number in standard form on their paper. For example, if the card says "eighty-nine," students should write **89**.
 - Review the answers as a class and correct any mistakes.

3. Matching Numbers

Activity 3: Matching Game

1. **Materials:** Index cards with numbers in word form and standard form.
2. **Instructions:**
 - Divide the students into pairs or small groups.
 - Give each group a set of cards with numbers in both word form and standard form.
 - Ask students to match each word form card with its corresponding standard form card.
 - Once matched, have each group present their pairs to the class.

4. Practice Problems

Problem 1: Write the following numbers in word form:

- 46
- 89
- 32

Problem 2: Write the following numbers in standard form:

- "fifty-six"
- "eighty-one"
- "thirty-four"

Problem 3: Convert the following word forms to standard form and standard forms to word forms:

- "seventeen"
- 72
- "ninety-eight"
- 54

5. Real-World Applications

Activity: Counting and Writing Numbers

1. **Materials:** Everyday objects (e.g., pencils, books, toys), paper, pencils.
2. **Instructions:**
 - Ask students to count a group of objects.
 - Have them write the number they counted in both word form and standard form.
 - Share with the class and discuss any differences.

Example:

- If a student counts 15 pencils, they should write "fifteen" and 15.

7. Review and Wrap-Up

Key Points to Remember:

- **Standard Form** uses digits to write numbers (e.g., **56**).
- **Word Form** uses words to write numbers (e.g., "fifty-six").
- Understanding both forms helps in reading and writing numbers accurately.

Exit Question: Can you write the number **27** in word form and the number "sixty-four" in standard form?