

Lesson Plan

Place values - Digit Location - Matching

Third (3) - Math

LEARNING TARGET

- Students will be able to read and identify the place value of each digit in a number up to the thousands place.
- Students will be able to write the value of each digit in words for numbers up to the thousands place.
- Students will be able to apply their understanding of place value to solve problems involving numbers up to the thousands place.

LEARNING PROGRESSION

PREREQUISITE SKILL

Place values - Digit Value - Matching

EXTENSION SKILL

Place values - Expanded Form - Writing

DURATION

60 minutes

MATERIALS

- Whiteboard and markers
- Place value chart (up to thousands)
- Index cards with numbers (up to 1,000)

VOCABULARY

- Place value
- Hundreds
- Tens
- Ones
- Word form

INTRODUCTION

1. Begin by displaying the place value chart on the board.
2. Review the concept of place value with the students, reminding them that each digit in a number has a specific value depending on its position in the number.
3. Explain to students that they will be learning how to read and write numbers in word form and how to identify the place value of each digit in a number.
4. Display a number, such as 830, on the board and ask the students to identify the digit in the tens place. Have them share their responses with the class.

INSTRUCTION

1. Provide a clear definition of the term word form.
2. Display the number 234 on the board and explain to the students how to write this number in word form, modeling the process on the board. Encourage students to follow along.
3. Show the place value chart and explain that each digit has a specific place value: ones, tens, and hundreds.
4. Display a number on the board, such as 472, and explain how to identify the place value of each digit. Have the students practice identifying the place value of each digit in different numbers.
5. Provide additional examples, gradually increasing the complexity of the numbers, and have students practice writing them in word form and identifying the place value of each digit.

GUIDED PRACTICE

1. Divide the class into pairs and distribute index cards with numbers written on them.
2. Instruct the students to work together to write the number on the card in word form and to identify the place value of each digit.
3. Walk around the room to provide support and guidance as needed.
4. After a designated amount of time, bring the class back together to review the answers and discuss any questions or challenges that came up during the guided practice.

INDEPENDENT PRACTICE

1. Provide students with a worksheet containing numbers written in standard form and ask them to write the number in word form and identify the place value of each digit.
2. Encourage students to use the strategies they learned during the instruction and guided practice portions of the lesson.
3. Circulate around the room to provide individual support and guidance as needed.

HOMEWORK

1. Assign a worksheet with problems that ask students to write a number in word form and identify the place value of each digit.
2. Encourage students to use the strategies they learned during the lesson to help them complete the worksheet.

EXIT TICKET

1. To assess students' understanding of the concept, provide each student with an exit ticket that contains four numbers written in standard form.
2. Instruct students to write the number in word form and identify the place value of each digit.
3. Collect the exit tickets to quickly assess students' understanding of the concept and identify any areas that may require further instruction or support.

SUMMATIVE

1. To assess students' understanding of the concept, provide each student with an assessment sheet that contains several numbers written in standard form.
2. Instruct students to write the number in word form and identify the place value of each digit.
3. Collect the assessment sheets to evaluate students' understanding of the concept and identify any areas that may require further instruction or support.

CLOSING

1. Recap with the class what they learned in the lesson about reading and writing numbers in word form and identifying the place value of each digit.
2. Encourage students to reflect on how they can apply these strategies in future math lessons and in everyday situations.
3. Provide positive reinforcement to the class for their hard work and progress throughout the lesson.

TEACHING TIPS

- Use visual aids such as place value charts to help students better understand the concept.
- Encourage students to practice writing numbers in word form on their own to reinforce the concept.
- Provide additional support for students who struggle with fine motor skills or writing.

MISCONCEPTIONS

1. Students may struggle to understand the concept of place value and how it relates to each digit in a number.
2. Students may confuse the order of the digits in a number when writing the number in word form.
3. Students may struggle to identify the place value of each digit in a larger number with more digits.

EXTENSION

1. For students who have mastered reading and writing numbers up to 1,000, provide them with more challenging numbers to write in word form and identify the place value of each digit.
2. Students can practice writing numbers in expanded form and identifying the place value of each digit.
3. Students can create their own numbers and challenge a partner to write them in word form and identify the place value of each digit.

INTERVENTION

1. For students who struggle with fine motor skills or have difficulty writing, provide them with larger index cards or whiteboards to write on.
2. For students who need extra support, provide them with additional practice problems and one-on-one guidance during independent practice.
3. For students who need additional reinforcement, provide them with visual aids, such as posters or anchor charts, that illustrate the concept of place value and how to read and write numbers in word form.

COMMON CORE STANDARD

3.NBT.A.1 - Use place value understanding to round whole numbers to the nearest 10 or 100.

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