

Objective

By the end of this lesson, you will be able to apply arithmetic concepts using Mortensen blocks to solve mathematical problems.

Materials and Prep

- Mortensen blocks set
- Pen or pencil
- Plain paper or notebook

Prior knowledge: Basic understanding of addition and subtraction.

Activities

1. Introduction to Mortensen blocks: Start by introducing Mortensen blocks to the student. Explain that these blocks can represent numbers and help us understand arithmetic operations.
2. Addition with Mortensen blocks: Demonstrate how to represent addition problems using Mortensen blocks. Have the student practice solving addition problems by physically manipulating the blocks.
3. Subtraction with Mortensen blocks: Show the student how to use Mortensen blocks to solve subtraction problems. Guide them through a few examples and encourage them to explain their thinking.
4. Word problems: Create simple word problems related to Mortensen blocks and have the student solve them using the blocks. This will help them apply their understanding of arithmetic concepts in real-life scenarios.
5. Challenge activity: Give the student a set of Mortensen blocks and ask them to create their own addition and subtraction problems for you to solve. This will reinforce their understanding and provide an opportunity for creativity.

Second Grade Talking Points

- "Today, we will be using Mortensen blocks to learn and practice arithmetic."
- "Mortensen blocks are special blocks that can represent numbers. They help us understand math better."
- "Let's start by adding numbers using Mortensen blocks. We can physically move the blocks to help us solve the problems."
- "Now, let's try subtracting numbers using Mortensen blocks. Can you explain how we can use the blocks to solve these problems?"
- "Word problems are like puzzles. We will use Mortensen blocks to solve word problems and find the answers."
- "For our challenge activity, I want you to create your own addition and subtraction problems using Mortensen blocks. I will solve them for you."