

## Objective

By the end of this lesson, you will be able to understand and apply arithmetic concepts in Saxon Math 4/5.

## Materials and Prep

- Saxon Math 4/5 textbook
- Pencil and paper
- Calculator (optional)

## Activities

### 1. Activity 1: Number Patterns

Look for number patterns in the Saxon Math 4/5 textbook. Write down the next three numbers in each pattern you find.

### 2. Activity 2: Addition and Subtraction

Choose five addition and five subtraction problems from the textbook. Solve them using the column method and write down your answers.

### 3. Activity 3: Multiplication

Select five multiplication problems from the textbook. Solve them using the standard algorithm and check your answers.

### 4. Activity 4: Division

Pick five division problems from the textbook. Solve them using long division and verify your answers.

## Talking Points

- "Arithmetic is the branch of mathematics that deals with numbers and basic operations like addition, subtraction, multiplication, and division."
- "Number patterns are sequences of numbers that follow a certain rule or pattern. By recognizing patterns, we can predict the next numbers in the sequence."
- "Addition is combining two or more numbers to find the total. Subtraction is taking away one number from another to find the difference."
- "When adding or subtracting multi-digit numbers, we use the column method to align the digits and perform the operation one column at a time."
- "Multiplication is repeated addition. It is a way to find the total when we have groups of the same size."
- "Division is the opposite of multiplication. It helps us find out how many equal groups we can make from a given number."
- "To solve multiplication and division problems accurately, it's important to follow the correct steps and keep track of any remainders."
- "Using a calculator can be helpful, but it's also important to practice mental math and perform calculations without relying solely on technology."