

Objective

By the end of this lesson, you will be able to confidently perform arithmetic operations and solve problems involving addition, subtraction, multiplication, and division.

Materials and Prep

- Pencil and paper
- Basic knowledge of addition, subtraction, multiplication, and division

Activities

- Warm-up: Start with a quick mental math exercise. Ask yourself a few addition, subtraction, multiplication, and division problems and solve them in your head.
- Practice: Work through a set of arithmetic problems on paper, including both single-digit and multi-digit numbers. Make sure to show your work for each problem.
- Challenge: Create your own word problems involving arithmetic operations. Share them with a family member or friend and see if they can solve them!

Eighth Grade Talking Points

- "Arithmetic is the branch of mathematics dealing with the properties and manipulation of numbers. It includes addition, subtraction, multiplication, and division."
- "When we add two numbers together, we are finding the total amount when they are combined."
- "Subtraction is the process of taking one number away from another."
- "Multiplication is a quicker way of adding the same number multiple times."
- "Division is the process of splitting a number into equal parts or finding out how many times one number can fit into another."