

## Objective

By the end of this lesson, you will be able to understand and calculate percentages with confidence.

## Materials and Prep

- Paper and pen
- Calculator (optional)
- Basic understanding of fractions and decimals

## Activities

- **Percentage Scavenger Hunt:** Look around your house and find items with percentage labels (e.g., discounts, nutrition labels). Calculate the actual values.
- **Percentage Puzzles:** Solve percentage-based math problems to sharpen your skills. You can create your own or find some online.
- **Real-life Applications:** Choose a scenario (e.g., shopping, sports statistics) and calculate percentages related to that scenario. Discuss your findings.

## Talking Points

- **Understanding Percentages:** "Percentages are a way to express a part of a whole as a fraction of 100. For example, 50% means half of something."
- **Converting Percentages:** "To convert a percentage to a decimal, divide by 100. For instance, 25% is equal to 0.25."
- **Calculating Percentages:** "To find a percentage of a number, multiply the number by the percentage as a decimal. For example, to find 20% of 80, you would calculate  $0.20 \times 80 = 16$ ."
- **Applications in Daily Life:** "Percentages are used in many real-life situations, such as calculating discounts while shopping or understanding probabilities in sports."