

# Unit 6: Percents

Content Area: **Math**  
Course(s): **Math**  
Time Period: **February**  
Length: **3-4 weeks**  
Status: **Published**

## Enduring Understandings

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SWBAT:

- Rewrite fractions, decimals, and percents.
- Compare and order fractions, decimals, and percents.
- Use the percent proportion or percent equation to find a percent, a part, or a whole.
- Apply percents to solve real-life problems

## Essential Questions

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How can we:

- Rewrite fractions, decimals, and percents using different representations
  - Write percents as decimals and decimals as percents.
  - Write fractions as decimals and percents.
  - Compare and order fractions, decimals, and percents
- Use the percent proportion to find missing quantities
  - Write proportions to represent percent problems.
  - Solve a proportion to find a percent, a part, or a whole
- Use the percent equation to find missing quantities
  - Write equations to represent percent problems.
  - Use the percent equation to find a percent, a part, or a whole.
- Find percents of change in quantities
  - Explain the meaning of percent of change.
  - Find the percent of increase or decrease in a quantity.
  - Find the percent error of a quantity
- Solve percent problems involving discounts and markups
  - Use percent models to solve problems involving discounts and markups.
  - Write and solve equations to solve problems involving discounts and markups
- Understand and apply the simple interest formula
  - Explain the meaning of simple interest.
  - Use the simple interest formula to solve problems

## **Benchmark Assessments**

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### **Schoolwide Benchmark assessments:**

- Linkit Benchmarks (Form A in September, Form B in January, Form C in June): Linked to NJSLA standards

### **Additional Benchmarks used in this unit:**

- IXL Diagnostic + continued practice during IXL periods

## **Formative Assessments**

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### **Formative Assessments used in this unit:**

- Kahoot! Games
- Quizizz Games
- Homework
- Q & A
- Scavenger Hunts
- Coloring Activities
- Task Cards
- Partner Activities

## **Summative Assessments**

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### **Summative assessments for this unit:**

- Chapter Test
- Quizzes

## **Instructional Materials**

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1. Big Ideas Math: Math & You 6th Grade Textbook
2. Quizizz
3. Kahoot!
4. Scavenger Hunts
5. Task Cards
6. Coloring Activities
7. GimKit

## **Standards**

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