Unit 6: Percents

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

Enduring Understandings

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

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

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

Formative Assessments used in this unit:

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

Summative Assessments

Summative assessments for this unit:

- Chapter Test
- Quizzes

Instructional Materials

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