

## **Number and Operations**

**Goal: The learner will understand and compute with rational numbers**

**Objective:**

**1.02 Develop meaning for percents.**

**a) Connect the model, number word, and number using a variety of representations.**

(The benchmark percents are 1%, 5%, 10%, 20%, 25%, 30%, 40%, 50%, 60%, 70%, 75%, 80%, 90%, 100%).

To achieve this objective, students should:

- Use the “out of 100” interpretation to develop an understanding of the concept of percent.
- Write percents, decimals, and fractions for shaded parts of figures.
- Build an understanding of the relationship among the concepts of fractions, decimals, and percents and their representations.
- Develop ways to model situations involving fractions, decimals, and percents.
- Move flexibly between and among fraction, decimal, and percent representations.
- Use number lines to represent equivalent fractions, decimals, and percents.