NAME_____

Module 7 **Ratio, Proportion, and Percent**
Lesson 2 **Finding Percents**

Lesson Notes 7.2

Lesson Objectives

- Relate with or without models and pictures, concepts of ratios, proportion, and percent, including percents less than 1 and greater than 100.
- Demonstrate conceptual understanding to find a specific percent of a number, using models, real life examples, or explanations.

Subtopic 1 Percent and Ratio

Changing a Ratio to a Percent

- Write the _____ as a fraction.
- Write the fraction as a _____.
- Write the _____ as a percent.

Write as a percent.

1 $\frac{7}{4}$

2 3 to 500

Subtopic 2 Finding the Percent of a Number

Finding the Percent of a Number

- Write the _____ as a decimal or _____.
- Multiply.

Twenty-eight percent of the school's 250 computers got new keyboards. How many computers got a new keyboard?

Amanda used 6,400 cell phone minutes. One-fourth percent of those minutes were used to download ringtones. How many minutes did Amanda use to complete the downloads?

Subtopic 3 Proportions

A proportion is a number _____ stating that two ratios are equal.
The _____ of a proportion are the first and fourth terms.
The means of a _____ are the second and third terms.
In a proportion, the _____ of the extremes equals the product of the means.

Determining if Two Ratios Form a Proportion

- Write each _____ as a fraction in simplest form.
- If the fractions are the _____, then the ratios form a proportion.

or

- Find the _____ of the extremes and the product of the means.
- If the cross products are equal, then the ratios form a _____.

Are $\frac{4}{5}$ and $\frac{12}{15}$ in proportion?