

Grade 4 Mathematics Unit Preview

Quarter 4: Number Relationships and Computation (Ratios and Percents)

Objectives: (Your student will be able to)

- **Compare two quantities using a ratio.** For example 3 dogs and 5 cats can be stated as the ratio 3:5.
- **Identify and describe the relationships among fractions, decimals, and percents.**
- **Calculate equal ratios for two given quantities.** For example, the ratio 6 to 12 is equal to 1 to 2.
- **Identify percent and the symbol and name everyday uses for percent.**

Vocabulary: (Words your student will need to understand)

• **Percent:** a number expressed per hundred

• **Ratio:** A comparison between two numbers. May be written as 3:4 or as a fraction ($\frac{3}{4}$).

Activities to do with your student (in addition to homework, optional):

- Look for percents in the newspaper and explain what you think it means.
- Compare items and write as a ratio.
- Find advertisement in a magazine that uses percents, and decide if a customer will get a good deal.
- Practice finding ratios and equal ratios by finding equivalent fractions.
- Practice multiplication and division facts.

