Notes

7.5

Module 7 Ratio, Proportion, and Percent Lesson 5 Percent Proportions

Lesson Objectives

- Use the percent proportion to write fractions as percents.
- Determine the percent of a number and solve related problems in real-world situations (e.g. gratuities, sales tax, discounts, and mark up).
- Use percents to estimate.

Subtopic 1

Use the Percent Proportion to Write Fractions as Percents

A proportion states that two ratios ar	e		
If one of the	of the equivalent fractions is one	hundred,	the
proportion is a	_ proportion.		

Solve using the percent proportion.



Moon Lighting Company tested 250 light bulbs and found five light bulbs to be defective. What percent of the light bulbs tested were defective?



The Moon Dogs football team won eight games last year. This year, they won 12 games. What percent more games did the Moon Dogs win this year?

Subtopic 2 Estimate a Percent of a Number



Mary's weekly salary is \$880. Each year, she receives a bonus equal to 42% of her weekly salary. About how much is Mary's bonus?

Subtopic 3 Determine the Percent of a Number and Solve Problems

Markup is an amount _		to the cost to produce an item in order to
determine the		·
A	is an amount tal	sen off a regular price



Drew buys a burger for \$8.50 and a milkshake for \$3.50. He wants to leave a 15% tip. How much gratuity should Drew leave?