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

Set 1

1   Use the percent proportion to write $\dfrac{3}{10}$ as a percent.

2   A magazine has 200 pages. The table of contents takes up three pages. What percent of the magazine's pages does the table of contents take up?

3   The Moon Dogs baseball team won 32 games last year. This year, they won 24 games. What percent fewer games did the team win this year?

Set 2

1 An orchard has 820 apple trees. Forty-five percent of the trees are Golden Delicious. About how many Golden Delicious trees are there?

2 A restaurant can seat 275 people. Thirty-two percent of the seats are booth seats. About how many seats are booth seats?

Set 3

1 Kelly bought a sandwich for $5.25, a fruit salad for $3.75, and a drink for $4.00. There is sales tax of 5% on food. How much tax will Kelly pay? What is the total cost of the meal assuming she does not leave a tip?

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2 Paula bought four rolls of wallpaper for $12.50 each. The store gave her a 25% discount because the rolls were damaged. What was the amount of the discount? How much did Paula pay for the four rolls?