

Chapter 7 Section 3, 4
General Applications of Percent

Percent increase, decrease.

$\frac{\text{amount of increase/decrease}}{\text{original amount}}$ then change to a percent.

Discount rate same as percent decrease.

Erin answered 85% of the questions on her exam. if she had 34 correct answers, how many questions were on the exam?

% of total = partial

85% of the total was 34 correct.

$0.85(x) = 34$ where x represent the total number of questions.

Myrna noted that 20% of her class is absent. If the class has 45 students, how many students are absent?

% of total = partial

A state charges 8% sales tax on all sales. If the sales tax on a computer is \$20, find the sales price of the computer, correct to the nearest dollar?

% of total = partial

$0.08(x) = 20$