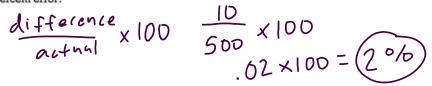
$|98,000 \times .12 = 23,760$ 

Name:

**Review Questions!** 

Example 1: The length of a park was measured to be 510 feet long. The actual length of the park is 500 feet. What is the percent error?



5. There were about 198,000 spectators at an action sports event last year. This year, the number of spectators decreased by about 12% from last year. About how many spectators were there this year?

3.

The price of a used car is \$15,800. If the sales tax is 8%, what is the final price of the car?

First, find the tax. 
$$|5,800 \times .08 = 1,264$$
  
Second, find the final price.  $|5,800 + 1,264 = 17,064$ 

Sam bought a shirt for \$60. If he had a coupon for 20% off, what is the new price of the shirt?

. .

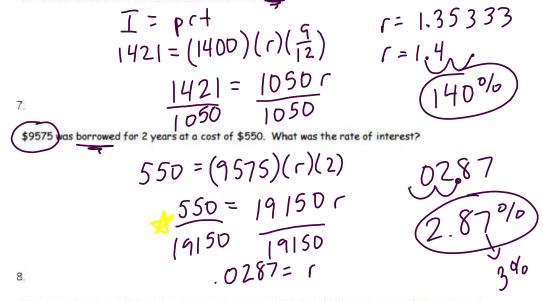
5.

4.

A bill for a meal is \$21.75. Find the total cost if the customer leaves a 15% tip.

6.

You have a summer job as a delivery person at a local grocery store. Suppose you save \$1400 of your pay and deposit into an account that earns simple interest. After <u>9 months</u> the balance is \$1421. What is the annual interest rate?



The shoe salesperson at Nordstroms work on commission. If she sells shoes that total \$850 and earns 76.50 in commission, what % of the sales did she earn?

$$\frac{p_{art}}{w_{hole}} = \frac{\frac{96}{100}}{\frac{76.50}{850}} = \frac{\frac{90}{100}}{\frac{100}{850}}$$

9.) The population of a city is expected to increase by 7.5% next year. If p represents the current population, write an expression to represent the expected population next year.