

MA 111 Worksheet on Percentages

- Convert each of the decimals into a percent.
 - $0.487 = \underline{\quad}\%$
 - $2.78 = \underline{\quad}\%$
 - $0.00191 = \underline{\quad}\%$
- Convert each percent into a decimal.
 - $32\% = \underline{\quad}$
 - $0.72\% = \underline{\quad}$
 - $125\% = \underline{\quad}$
- Convert each fraction into a percent.
 - $43/100 = \underline{\quad}\%$
 - $3/4 = \underline{\quad}\%$
 - $11/8 = \underline{\quad}\%$
- Suppose the sales tax on a new car is 8% of the purchase price of the car. If the purchase price of the car is \$20,000, how much sales tax do you have to pay on the car? What is the total price of the car? (car and tax together)
- The price tag on your new computer is \$1,200.00, but the cashier asks you to pay \$1,278.00. What is the sales tax rate?
- 500 students enrolled in MA 111 Fall 2009. This semester saw a 25% increase in enrollment. How many students enrolled in MA 111 this semester?
 - 80 students enrolled in MA 112 Fall 2009. This semester saw a 20% decrease in enrollment. How many students enrolled in MA 112 this semester?
- An electronic store marks up the price of all of their video games by 150%. (I.e., their retail price is 150% higher than the wholesale price.) A certain game is put on the 20% off clearance table. The store then has a 15% off everything sale. You buy the game using a 10% off coupon. How much did you pay for the game? (Express your answer as a percent of the unknown wholesale price.)