7-6 Mark-Ups and Discounts

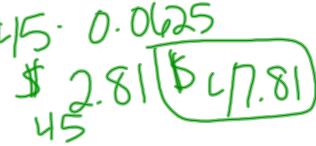
Ex. 1 Athletic shoes that regularly sell for \$85.99 are 20% off. Find the new price of the shoes.

what is 20% of 85.99? x = .20.85.99 \$17.198 \$68.79

Compact discs that cost \$10.99 are on sale for 30% off. Find the new price of the compact discs.

10.99-.30 = 3.29

Ex. 2 A Brewers ticket costs \$45. If the sales tax is 6.25%, what is the total cost of the ticket?



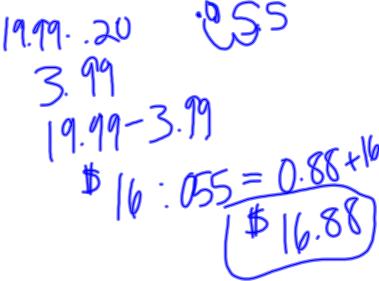
A pair of shoes costs \$89.95 plus 5% sales tax. What is the total cost of the shoes?

\$ 4.50 \$ 94.45

Ex. 3 A computer store pays \$16 for a DVD player. The percent of the markup is 375%. Find the DVD player's selling price.

It costs \$227 to manufacture an iPad. Apple sells them with a 120% markup. What is the selling price of an iPad?

Ex. 4 A shirt is 20% off at Dick's Sporting Goods Store. If the original price is \$19.99 and tax is 5.5% what will be the final price?



Ex. 5 A department store is having a 10% discount on everything in the store. A bicycle helmet that costs \$96 is on sale with an additional 10% off the already discounted price. Find the sale price of the helmet after two discounts.

wo discounts.

$$.10 \cdot 96 = 9.60$$

 $.10 \cdot 96 = 86.40$
 $.10 \cdot 86.40 = 8.64$
 $.10 \cdot 86.40 = 77.76
 $.10 \cdot 86.40 = 77.76

Ex. 6 You buy dinner at a restaurant for \$34.50. How much money should you leave for a tip?

.15 · 34.50 10%→\$3.50 20%—\$7.00

Homework

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