

Algebra Foundations

Name: _____

Date: _____ Per. _____

CW 36 Sale Prices

If there is a discount, find the discounted amount FIRST!

Amount of discount = (original price)(discount percent converted to a decimal)

Discounted price = original price - amount of discount

Amount of tax = (discounted price)(tax percent converted to a decimal)

Final price = discounted price + amount of tax

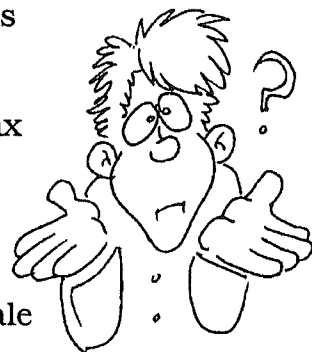
Find the final price of each item. When there is a discount and sales tax, first compute the amount of discount and the discounted price. Then compute the amount of sales tax and final price.

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| <p>1. Bicycle: \$415.00</p> <p>Sales tax: 6% (California)</p> <p>Amount of tax:</p> <p>Final Price:</p> | <p>2. Jeans: \$79.99</p> <p>Discount: 15% Sales tax: 8.75% (San Anselmo)</p> <p>Amount of discount:</p> <p>Discounted Price:</p> <p>Amount of tax:</p> <p>Final Price:</p> |
| <p>3. Tickets: \$52.50</p> <p>Sales tax: 4.6% (Nevada)</p> <p>Amount of tax:</p> <p>Final Price:</p> | <p>4. Book: \$19.95</p> <p>Discount: 15% Sales tax: 9% (Fairfax)</p> <p>Amount of discount:</p> <p>Discounted Price:</p> <p>Amount of tax:</p> <p>Final Price:</p> |

What Is Unusual About the Air and Space Museum?

Solve the problem, then circle your answer in the answer column. When you finish, arrange the letters of the correct answers in order from least to greatest amount of money. Write the letters in this order in the boxes at the bottom of the page.

- | | |
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| <p>1 Zuma bought a snowboard with a regular price of \$295. It was on sale at a 25% discount. There was an 8% tax on the sale price. How much did Zuma spend to buy the snowboard?</p> <p>2 During the holiday sale at Blooming Department Store, all sweaters are discounted 30%. On Blockbuster Saturday, the store discounts an additional 10% of the sale price. If a sweater originally sold for \$99, how much would you pay for it on Blockbuster Saturday?</p> <p>3 Peddlers Cycle Shop paid \$260 to buy a Tornado racing bike from the company that makes it. The store <u>markup</u> on this item is 85%. What is the selling price of the bike? <i>add the amount!</i></p> <p>4 Ruffles Boutique bought a leather jacket from a wholesale distributor for \$140. The store <u>markup</u> on this item is 220%. What is the selling price of the jacket? <i>add</i></p> <p>5 A kayak is on sale at a 15% discount. The sale price is \$612. What was the original price? (HINT: Use the equation $0.85x = 612$) <i>— or find the discount amount</i></p> <p>6 A plasma TV is on sale at a 22% discount. The sale price is \$776.10. What was the original price?</p> <p>7 The price for a pair of shoes was \$79.18 after a 7% sales tax was added. What was the price before the tax was added? (HINT: Use the equation $1.07x = 79.18$)</p> <p>8 Volt Electronics sells a Y-Box game console for \$207. The store markup on the Y-Box is 38%. What was the wholesale price that the store paid for it?</p> | <p>N \$72.50</p> <p>P \$481</p> <p>T \$74</p> <p>E \$989</p> <p>L \$732.40</p> <p>E \$238.95</p> <p>S \$150</p> <p>M \$308</p> <p>H \$475.50</p> <p>I \$62.37</p> <p>O \$235.75</p> <p>Y \$995</p> <p>F \$148</p> <p>R \$299</p> <p>T \$720</p> |
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Letter of "least amount" correct answer

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Letter of "greatest amount" correct answer

Extra: A computer salesperson said she would drop the price of a computer by \$120, which was a 15% discount. What was the original selling price of the computer?