3.3 MARK UPS AND MARK DOWNS

How can you rewrite expressions to help you solve markup and markdown problems?

Objective: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| CALCULATING MARKUPSA markup is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.You can use a bar model to represent retail price. The retail price of an item, is the total price of an item, including the markup.Example 1: To make a profit, stores mark up the prices on the items they sell. A sports store buys skateboards from a supplier for *s* dollars. What is the retail price for skateboards that the manager buys for $35 and $56 after a 42% markup? Step one: Draw a bar model. Step two: Retail Price = Original Price + Mark UpStep three: Use the expression to find the retail price of each skateboard. |

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| **Example 2: Rick buys remote control cars to resell. He applies a markup of 10%. a. Write two expressions that represent the retail price of the cars.** **If Rick buys a remote control car for $28.00, what is his selling price?**  |

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| CALCULATING MARKDOWNSA markdown, or discount, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.A price after a markdown may be called a sale price. You can also use a bar model to represent the price of an item including the markdown. Example 3:A discount store marks down all of its holiday merchandise by 20% off the regular selling price. Find the discounted price of decorations that regularly sell for $16 and $23.Step one: Draw a bar model.  Step two: Sale Price = Original Price - Markdown Step three: Use the expression to find the sale price of each decoration. |

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| Example 4: Jane sells pillows. For a sale, she marks them down 5%.1. Write two expressions that represent the sale price of the pillows.

b. If the original price of a pillow is $15.00, what is the sale price?  |