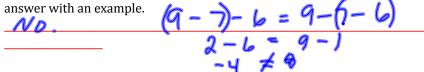
Algebra 4-2: Models for Subtraction

Warm-Up

Answer the following questions. Use past notes or your book if you need to.

- 1. Write 4 12 as an addition problem. 4 + 12
- 2. Can we use the Associative Property with subtraction? Support your answer with an example.



- 3. Change -6 (-x) into an addition problem.
- 4. Simplify -4x + 6y 8(-3x) 7y. $-\frac{1}{4}x + \frac{20x}{4} = -\frac{1}{4}y + \frac{20x}{4}$
- 5. Change from a percent to a decimal.

6. Change from a decimal to a percent.

Algebra 4-2: Markups & Discounts

Vocabulary	Definition	Example
Discount	* Subtract discount from original price	Sales, coupons, employee discount
Mark-up	*Add mark-up to original price	tax-Shandling tip

Key Words for Subtraction

- 1. decregse
- 2. Subtract
- 3. take away
- 4. 155 than
- 5. <u>MINV 5</u>

- 6. give away
- 7. under
- 8. drop
- 9. Withdrawl
- 10. fewer

2 Methods for Finding Discounted and Marked-up Prices

Method 1

1. Find the amount of money the product is marked-up discounted.

2. Add/Subtract that amount from the original price.

Method 2

2. Multiply the percentage by the original price.

$$E_{\rm EX}$$
 $50(.90) = 445$

Example Problems

1. Jenny went to the store to buy a prom dress. Originally it costs \$140. However, it was on sale for 25%. What is the sale price of the dress?

Method 1

2. Taylor bought an iPod. It costs \$199 without tax. If tax is 5.5%, how much did Taylor have to pay total for the iPod?

Method 1

Method 2