Two formulas to calculate the new sale price

A. Price - (Price x Discount) = Sale Price  
B. (1 - Discount) x Price = Sale Price

**Example 1**
A notebook costs $2.00. The school store is offering a 25% discount. What is the new sale price of the notebook?

A. $2.00 - ($2.00 x .25) = $2.00 - $0.50 = $1.50

B. (1 - .25) x $2.00 = .75 x $2.00 = 1.50

**Example 2:**
A backpack cost $10.75. The item is now on sale for 10% off. What is the new sale price of the backpack?

A. $10.75 - ($10.75 x .10) = $10.75 - $1.075* = $10.75 - $1.08 = $9.67

B. (1 - .10) x $10.75 = .90 x $10.75 = $9.675 or $9.68*  
Due to rounding your answers may vary by a penny using one method versus the other.

**Example 3:**
A can of tennis balls costs $1.98. The sporting goods store has them on sale for 50% off. What is the new sale price of a can of tennis balls?

A. $1.98 - ($1.98 x .50) = $1.98 - $.99 = $.99

B. (1 - .50) x $1.98 = $.99