

What's on Sale?

Calculated Sale Price Guided Practice

Two formulas to calculate the new 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.
$$\$2.00 - (\$2.00 \times .25) = \$2.00 - \$.50 = \$1.50$$

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

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.
$$\$10.75 - (\$10.75 \times .10) = \$10.75 - \$1.075^* = \$10.75 - \$1.08 = \$9.67$$
(* round \$1.075 to \$1.08)

B. $(1 - .10) \times 10.75 = .90 \times 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.
$$\$1.98 - (\$1.98 \times .50) = \$1.98 - \$.99 = \$.99$$

B. $(1 - .50) \times \$1.98 = \$.99$