CHAPTER 8 – Trade and Cash Discounts



ALWAYS LEARNING

Mathematics of Buying •List Price •Trade Discounts •Net Price Find the **Trade Discount** using a single trade discount rate, and the **Net Price** using the trade discount.



Find the **Net Price** using the complement of the single trade discount rate.

Single Trade Discounts

Suggested retail price, catalog price, list price.

 Three common terms for the price at which the manufacturer suggests an item be sold to the consumer.

Trade discount

 The amount of discount that the wholesaler or retailer receives off the list price, or the difference between the list price and the net price.



Net price

Section 8-1

The price the manufacturer or retailer pays, or the list price minus the trade discount.

Price = List Price - Discount

The Discount

Discount = List Price * Discount Rate

Discount rate

A percent % of the list price assigned by the Seller.

Product and Price Flow

Single Trade Discounts



Manufacturer



Section 8-1



Section 8-1

Find trade discount using a single trade discount

rate; find net price using the trade discount

- List prices and discounts apply the percentage formula.
 - The portion is the trade discount *P*.
 - The base is the list price **B**.
 - The rate is the single trade discount rate **R**.

P =*B***R*

Portion (part) = rate (percent) *base (whole)



Section 8-1

Single Trade Discounts

Identify the single discount rate and the list price. Multiply the list price by the single discount rate.

Trade discount = Rate x List Price



Business Math, Ninth Edition Cheryl Cleaves, Margie Hobbs & Jeffrey Nobel

Single Trade Discounts

Identify the single discount rate and the list price. Multiply the list price by the single discount rate.

Find the trade discount = rate x list price at \$120 and has a trade discount for a cd player that retails

Trade discount = 0.35 x \$120 Trade discount = \$42



Business Math, Ninth Edition Cheryl Cleaves, Margie Hobbs & Jeffrey Nobel © 2012 Pearson Education, Inc. Upper Saddle River, NJ 07458 All Rights Reserved Find the trade discount for a rug that lists for \$290 and has a trade discount of 30%.

\$290 * 0.30 = \$87

Find the trade discount for styling gel that lists for \$18 and has a trade discount of 15%.

\$18 * 0.15 = \$2.70



Section 8-1

Calculating Single trade discount method

- 1- Identify the list price and the trade discount.
- 2- Subtract the trade discount from the list price.

Trade discount = Rate x List Price Net Price = List Price – Trade discount



Business Math, Ninth Edition Cheryl Cleaves, Margie Hobbs & Jeffrey Nobel

Calculating Single trade discount method

- 1- Identify the list price and the trade discount.
- 2- Subtract the trade discount from the list price. Trade discount = Rate x List Price Net Price - List Price - desk that lists for \$320 and has a trade discount of 30%.

Trade discount = \$320 x 0.30 = \$96 Net price = List price – Trade discount Net price = \$320 – \$96 = \$224

MOR



The Complement Method

- Another method for calculating the net price uses the *complement* of a percent.
 - The complement of a percent is the difference between 100% and the given percent.
 - The complement of the single trade discount rate can be used to find the net price.



 1- Subtract the single trade discount from 100%.
2- Multiply the list price by the complement of the single trade discount.

Examples:

Find the **Net Price** of a coffee maker that lists for \$20 and has a trade discount rate of 20%.



Complement of percent

The difference between 100% and the given percent.

Examples:	The complement of 30% is 70%. The complement of 55% is 45% The complement of 5% is 95%.	
List price	Discount (amount off list)	Net price (amount paid)
100%	25% of list price	75% of list price
100%	20% of list price	80% of list price
100%	40% of list price	60% of list price
100%	50% of list price	50% of list price



Find the net price of a Laptop that lists for \$1,500 and has a trade discount of 15%.

\$1500 * 85% = \$1275

Find the net price of a bicycle that lists for \$102 and has a trade discount of 30%.

\$102 * 70% = \$71.40

Section 8-1



Thank you, Maher Arafat