Accounting for Merchandising Operations

Chapter 5

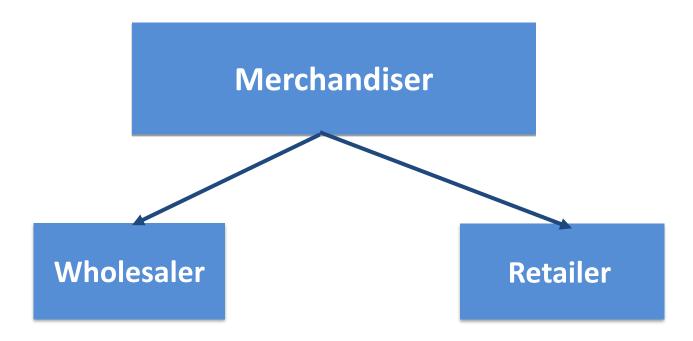
Wild, Kwok, Venkatesh and Shaw Fundamental Accounting Principles

3rd Edition

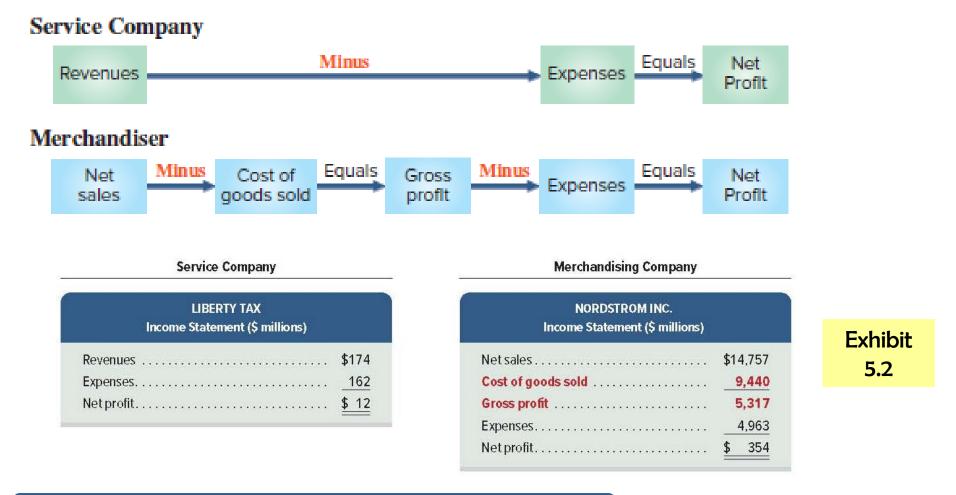
Merchandiser

Merchandising companies sell products to earn revenue.

Examples: sporting goods, clothing, and auto parts stores



Reporting Profit for a Merchandiser



Discussion Question

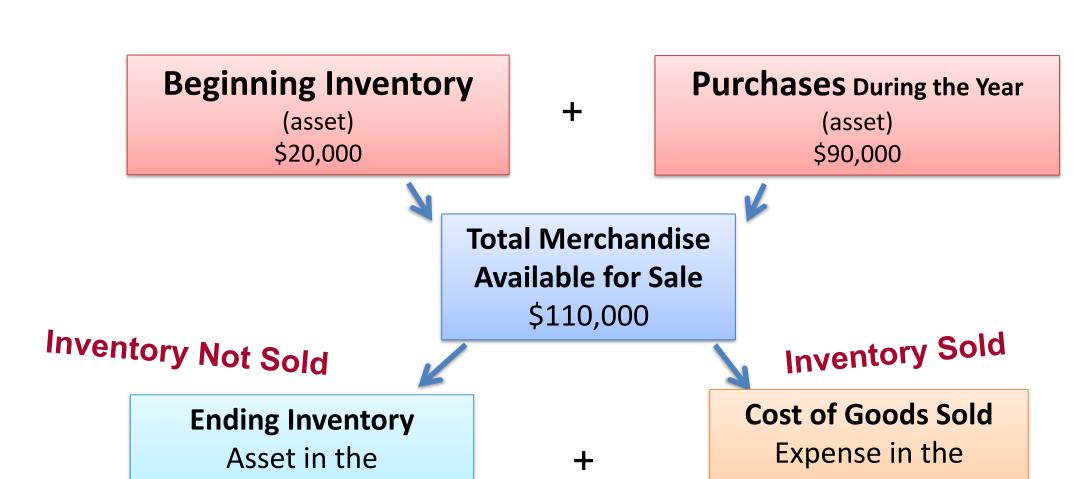
Q: Explain how a business can earn a positive gross profit on its sales and still have a net loss?

Operating Cycle for a Merchandiser

Begins with the purchase of merchandise and ends with the collection of cash from the sale of merchandise.



Inventory System



balance sheet

\$30,000

income statement

\$80,000

Inventory Systems: Definitions

- > Perpetual systems
 - updates accounting records for each purchase and sale of merchandising

- ➤ Periodic systems
 - Updates records for purchase and sale of merchandise only at the end of the accounting period

Purchases without Cash Discounts

On November 2, Z-Mart purchased \$500 of merchandise inventory for cash.

Nov. 2	Merchandise Inventory	500
	Cash	500
	Purchased goods for cash.	

If Purchase On Credit:

Dr. Merchandise Inventory 500 Cr. Accounts Payable 500

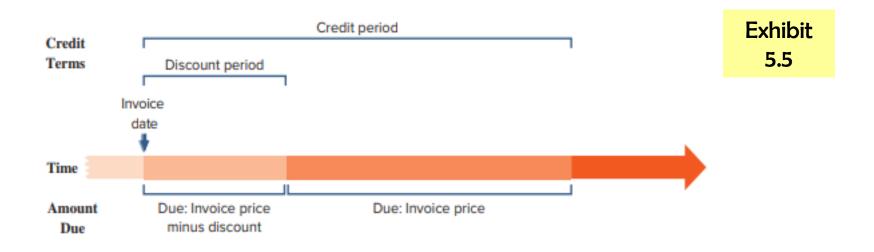
Purchases with Cash Discounts

On November 2, Z-Mart purchased \$500 of merchandise inventory on account, credit terms are 2/10, n/30.

(a) Nov. 2	Merchandise Inventory	500
	Accounts Payable	500
	Purchased goods, terms 2/10, n/30.	

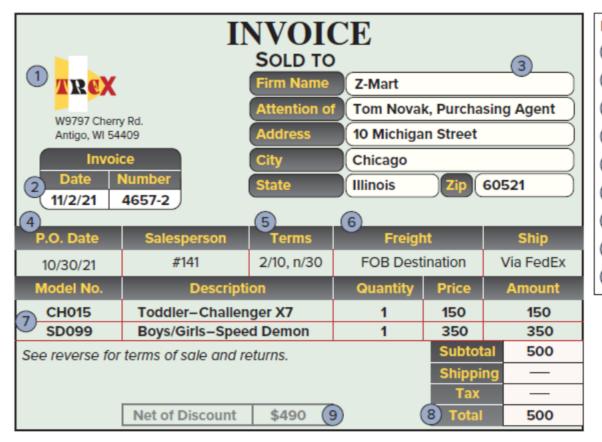
Credit Terms

A deduction from the invoice price granted to induce early payment of the amount due.



Buyer—Purchase discount Seller—Sales discount

Invoice





Gross Method

On November 2, Z-Mart purchased \$500 of merchandise inventory on account, credit terms are 2/10, n/30.

Pay within discount period (Nov. 2—Nov. 12): Due=\$500-\$500*2%=\$490

Pay after discount period (Nov. 13—Dec. 2): Due=\$500

(a) Nov. 2	Merchandise Inventory	500
	Accounts Payable	500
	Purchased goods, terms 2/10, n/30.	

The Gross Method records the purchase at its gross(full) invoice amount.

Payment within Discount Period: Journal Entry

On November 12, Z-Mart paid the amount due on the purchase of November 2.

(b1) Nov. 12	Accounts Payable	500
	Merchandise Inventory	10
	Cash*	490
	Payment for goods within discount period. * $\$500 imes(100\%-2\%)$	

Payment within Discount Period: Ledger Accounts

After we post these entries, the accounts involved look like these:

Accounts Payable			Me	erchandis	e Inventory		Ca	ish
	Nov. 2	500	Nov. 2	500				
Nov. 12 500					Nov. 12	10		Nov. 12 490
	Bal.	0	Bal.	490				

Payment after Discount Period

On December 2, Z-Mart paid the amount due on the purchase of November 2.

(b2) Dec. 2	Accounts Payable	500	
	Cash		500
	Payment for goods outside discount period.		

Purchases <u>with</u> Returns and Allowances

Purchase Return:

Merchandise returned by the purchaser to the supplier.

Purchase Allowance:

A price reduction to the buyer of defective or unacceptable merchandise.

Purchases Allowances

On November 5, Z-Mart (buyer) agrees to a \$30 allowance from Trex for defective merchandise.

(c1) Nov. 5	Accounts Payable	30
	Merchandise Inventory	30
	Allowance for defective goods.	

Purchases Returns

Z-Mart purchases \$250 of merchandise on June 1 with terms 2/10, n/60. On June 3, Z-Mart returns \$50 of goods before paying the invoice. When Z-Mart pays on June 11, it takes the 2% discount only on the \$200 remaining balance.

June 1	Merchandise Inventory	250	
	Accounts Payable		250
	Purchase goods, terms 2/10, n/60.		
(c2) June 3	Accounts Payable	50	
	Merchandise Inventory		50
	Return goods to seller.		
June 11	Accounts Payable	200	
	Merchandise Inventory		4
	Cash		196
	Payment for \$200 of goods less \$4 discount.		

Purchases and Transportation Costs

Exhibit 5.7



Shipping Terms	Ownership Transfers at	Goods in Transit Owned by	Transportation Costs Paid by
FOB shipping point	Shipping point	Buyer	Buyer Merchandise Inventory # Cash #
FOB destination	Destination	Seller	Seller Delivery Expense # Cash # Tra

Transportation-in/freight-in

insportation-out/freight-out

Transportation Costs

Z-Mart purchased merchandise on terms of FOB shipping point. The transportation charge is \$75.

(d) Nov. 24	Merchandise Inventory	75
	Cash	75
	Pay freight costs on goods.	

Itemized Costs of Purchases

Itemized Costs of Merchandise Purchases	
Invoice cost of merchandise purchases	\$ 235,800
Less: Purchases discounts received	(4,200)
Purchases returns and allowances	(1,500)
Add: Costs of transportation-in	2,300
Total net cost of merchandise purchases	\$232,400

Accounting for Merchandise Sales

Computation of Gross Profit	
Net sales (net of discounts, returns, and allowances)	\$314,700
Cost of goods sold	230,400
Gross profit	\$ 84,300

Sales of Merchandise

Each sales transaction for a merchandiser involves two parts:

Revenue received (and asset increased) from the customer.

Cost of goods sold incurred (and asset decreased) to the customer.

Sales without Cash Discounts

Z-Mart sold \$1,000 of merchandise on credit. The merchandise has a cost basis to Z-Mart of \$300.

Revenue side journal entry:

Nov. 12	Accounts Receivable	1,000	
	Sales		1,000
	Sell goods on credit.		

Cost side journal entry:

Nov. 12	Cost of Goods Sold	300
	Merchandise Inventory	300
	Record cost of Nov. 12 sale.	

Sales with Cash Discounts

Z-Mart completes a \$1,000 credit sale with terms of 2/10, n/45.

Nov. 12	Accounts Receivable	1,000	1,000
Nov. 12	Sell goods, terms 2/10, n/45. Cost of Goods Sold	300	
	Merchandise Inventory		300

Buyer pays within discount period:

Nov. 22	Cash*	980	
	Sales Discounts	20	
	Accounts Receivable		1,000
	Receive payment on Nov. 12 sale less discount. *\$1,000 — (\$1,000 × 2%)		

Buyer pays <u>after</u> discount period:

Dec. 27	Cash	1,000
	Accounts Receivable	1,000
	Receive payment on Nov. 12 sale after discount period.	

Sales Returns and Allowances

Sales returns and allowances usually involve dissatisfied customers and the possibility of lost future sales.

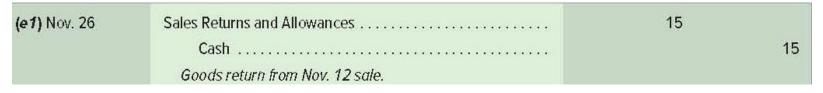
Sales returns refer to merchandise that customers return to the seller after a sale.

Sales allowances refer to reductions in the selling price of merchandise sold to customers.

Sales with Returns and Allowances

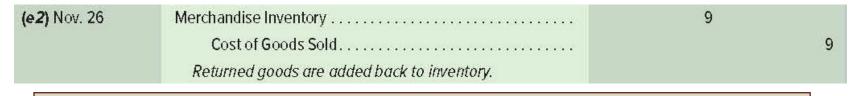
Customer returns merchandise which sold for \$15 and cost \$9.

Revenue Side



Returned Goods - Not Defective:

Cost Side



Returned Goods - <u>Are</u> Defective:

Nov. 26	Merchandise Inventory	2	
	Loss from Defective Merchandise	7	
	Cost of Goods Sold		9
	Returned defective goods to inventory and record loss.		

Buyer Granted Allowances

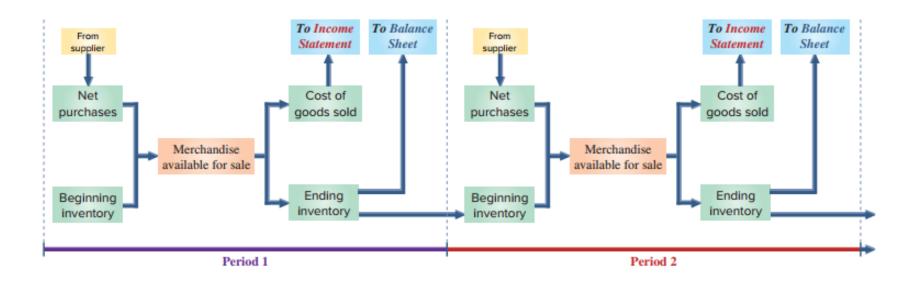
Assume that \$40 of the merchandise Z-Mart sold on November 12 is defective but the buyer decides to keep it because Z-Mart offers a \$10 price reduction.

(f) Nov. 24	Sales Returns and Allowances	10
	Cash	10
	Grant sales allowance.	

Discussion Question

Q: What is the difference between a sales discount and a purchases discount?

Merchandising Cost Flow in the Accounting Cycle



Adjusting Entries for Merchandisers

Shrinkage: adjustment to reflect loss of merchandise:

Dec. 31	Cost of Goods Sold	250
	Merchandise Inventory	250
	Adjust for \$250 shrinkage.	

Sales Discounts, Returns and Allowances:

Revenue recognition rules require sales to be reported at the amount expected to be received. Adjusting entries are made for:

- 1. Expected sales discounts
- 2. Expected returns and allowances (revenue side)
- 3. Expected returns and allowances (cost side)

Closing Entries for Merchandisers

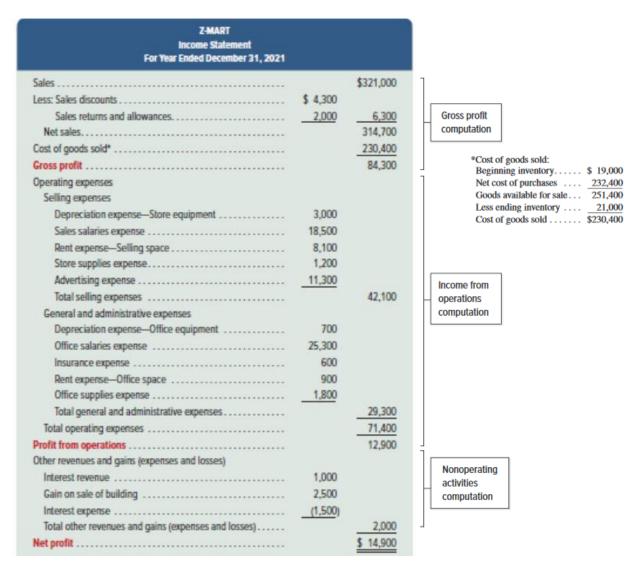


	Merchandising Transactions	Merchandising Entries	Dr.	Cr.
	Purchasing merchandise for resale.	Merchandise Inventory . Cash or Accounts Payable	#	#
	Paying freight costs on purchases; FOB shipping point.	Merchandise Inventory	#	#
Purchases	Paying within discount period.	Accounts Payable	#	#
		Cash		#
	Paying outside discount period.	Accounts Payable	#	#
	Recording purchases returns or allowances.	Cash or Accounts Payable	#	#
	Selling merchandise.	Cash or Accounts Receivable	#	"
	Sening merendidise.	Sales	TT.	#
		Cost of Goods Sold	#	#
	Receiving payment within	Cash	#	
	discount period.	Sales Discounts	#	#
	Receiving payment outside	Cash	#	
Sales	- discount period.	Accounts Receivable	77	#
	Receiving sales returns	Sales Returns and Allowances	#	
	of nondefective inventory.	Cash or Accounts Receivable		#
		Merchandise Inventory	#	#
	Recognizing sales allowances.	Sales Returns and Allowances	#	#
	Paying freight costs on sales; FOB destination.	Delivery Expense	#	#
	C. Tob desimation			
	Merchandising Events	Adjusting and Closing Entries		
	Adjustment for shrinkage	Cost of Goods Sold	#	
	(occurs when recorded amount larger than physical inventory).	Merchandise Inventory		#
Adjusting	Period-end adjustment for expected sales discounts.*	Sales Discounts	#	#
	Period-end adjustment for expected returns—both revenue side and	Sales Returns and Allowances	#	#
	cost side.*	Sales Refund Payable	#	#
	[Cost of Goods Sold.		#
	Closing temporary accounts with credit balances.	Sales	#	##
	Closing temporary accounts	Income Summary	#	
Closing	with debit balances.	Sales Returns and Allowances		#
		Cost of Goods Sold		#
		Cost of Goods Sold Delivery Expense		#

Beginning inventory	
Purchases	Pur. returns
Freight-in (FOB shp pt)	Pur. allowances
	Pur. discounts
	Shrinkage
Goods avail. for sale	
Customer returns	COGS
Ending inventory	

^{*}Period-end adjustments depend on unadjusted balances, which can reverse the debit and credit in the adjusting entries shown; these three entries are covered in Appendix 5B.

Income Statement



Classified Balance Sheet

Exhibit **Z-MART** 5.14 Balance Sheet (partial) December 31, 2021 **Current assets** Highly \$ 8,200 Liquid 11,200 Merchandise inventory 21,000 550 250 Prepaid insurance..... 300 Less \$41,500 Liquid

Learning Objective P5

Appendix 5A
Record and compare
merchandising transactions
using both periodic and
perpetual inventory system.

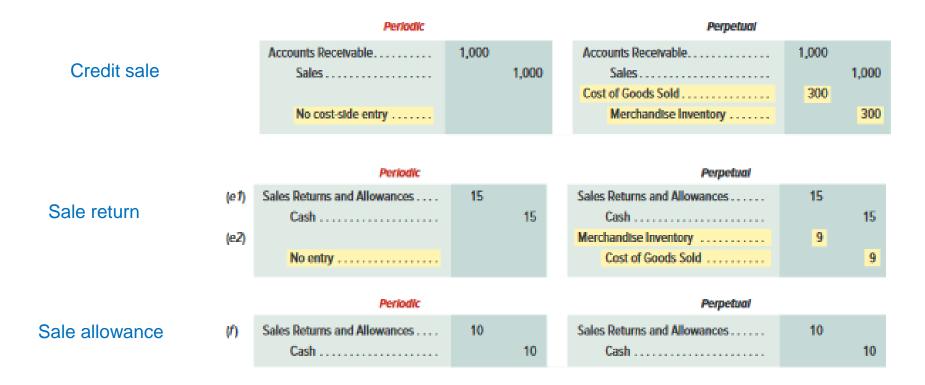
Periodic Inventory System - Purchases

Periodic inventory system updates inventory only at the end of a period to reflect the quantity and cost of goods available and goods sold.



Periodic Inventory System - Sales

Periodic inventory system updates inventory only at the end of a period to reflect the quantity and cost of goods available and goods sold.



Periodic Inventory— Adjusting & Closing Entries

Adjusting Entries

Adjusting Entries

Shrinkage

Closing entries

	,				
z)	None				
g)	Sales Discounts	50	50		
h1)	Sales Returns and Allowances Sales Refund Payable	900	900		
h2)	Inventory Returns Estimated Purchases	300	300		

Entries in gray are covered in Appendix 5B.

Sales

Cost of Goods Sold	250			
Merchandise Inventory		250		
Sales Discounts	50			
Allowance for Sales Discounts		50		
Sales Returns and Allowances	900			
Sales Refund Payable		900		
Inventory Returns Estimated	300			
Cost of Goods Sold		300		

Entries in gray are covered in Appendix 5B.

Closing Entries

(1)	Sales	321,000	
	Merchandise Inventory (ending)	21,000	
	Purchases Discounts	4,200	
	Purchases Returns and Allowances	1,500	
	Income Summary		347,700
(2)	Income Summary	334,800	
	Sales Discounts		4,300
	Sales Returns and Allowances		2,000
	Merch. Inven. (beginning)		19,000
	Purchases		235,800
	Transportation-In		2,300
	Depreciation Expense		3,700
	Salaries Expense		43,800
	Insurance Expense		600
	Rent Expense		9,000
	Supplies Expense		3,000
	Advertising Expense		11,300
(3)	Income Summary	12,900	
	K. Marty, Capital		12,900
(4)	K. Marty, Capital	4,000	
	K. Marty, Withdrawals		4,000

Perpetual **Closing Entries**

Sales	321,000
Income Summary	321,000
Income Summary	308,100
Sales Discounts	4,300
Sales Returns and Allowances	2,000
	_,000
Cost of Goods Sold	230,400
Depreciation Expense	3,700
Salaries Expense	43,800
Insurance Expense	600
Rent Expense	9,000
Supplies Expense	3,000
Advertising Expense	11,300
Income Summary	12,900
K. Marty Capital	12,900
K. Marty, Capital	4.000
K. Marty, Withdrawals	4.000
K. Marty, Withdrawais	4,000

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Exhibit

5A.1

P 5–2A: Prepare journal entries to record the following merchandising transactions of Lowe's, which uses the perpetual inventory system and the gross method. *Hint*: It will help to identify each receivable and payable; for example, record the purchase on August 1 in *Accounts Payable--Aron*.

- Aug 1. Purchased merchandise from Aron Company for \$7,500 under credit terms of 1/10, n/30, FOB destination, invoice dated August 1.
- Aug 5. Sold merchandise to Baird Corp. for \$5,200 under credit terms of 2/10, n/60, FOB destination, invoice dated August 5. The merchandise had cost \$4,000.
- Aug 8. Purchased merchandise from Waters Corporation for \$5,400 under credit terms of 1/10, n/45, FOB shipping point, invoice dated August 8.
- Aug 9. Paid \$125 cash for shipping charges related to the August 5 sale to Baird Corp.
- Aug 10. Baird returned merchandise from the August 5 sale that had cost Lowe's \$400 and was sold for \$600. The merchandise was restored to inventory.
- Aug 12. After negotiations with Waters Corporation concerning problems with the purchases on August 8, Lowe's received a price reduction from Waters of \$400 off the \$5,400 of goods purchased. Lowe's debited accounts payable for \$400.
- Aug 14. At Aron's request, Lowe's paid \$200 cash for freight charges on the August 1 purchase, reducing the amount owed (account payable) to Aron.
- Aug 15. Received balance due from Baird Corp. for the August 5 sale less the return on August 10.
- Aug 18. Paid the amount due Waters Corporation for the August 8 purchase less the price allowance from August 12.
- Aug 19. Sold merchandise to Tux Co. for \$4,800 under credit terms of n/10, FOB shipping point, invoice dated August 19. The merchandise had cost \$2,400.
- Aug 22. Tux requested a price reduction on the August 19 sale because the merchandise did not meet specifications. Lowe's gave a price reduction (allowance) of \$500 to Tux and credited Tux's accounts receivable for that amount.
- Aug 29. Received Tux's cash payment for the amount due from the August 19 sale less the price allowance from August 22.
- Aug 30. Paid Aron Company the amount due from the August 1 purchase.

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End of Chapter 5