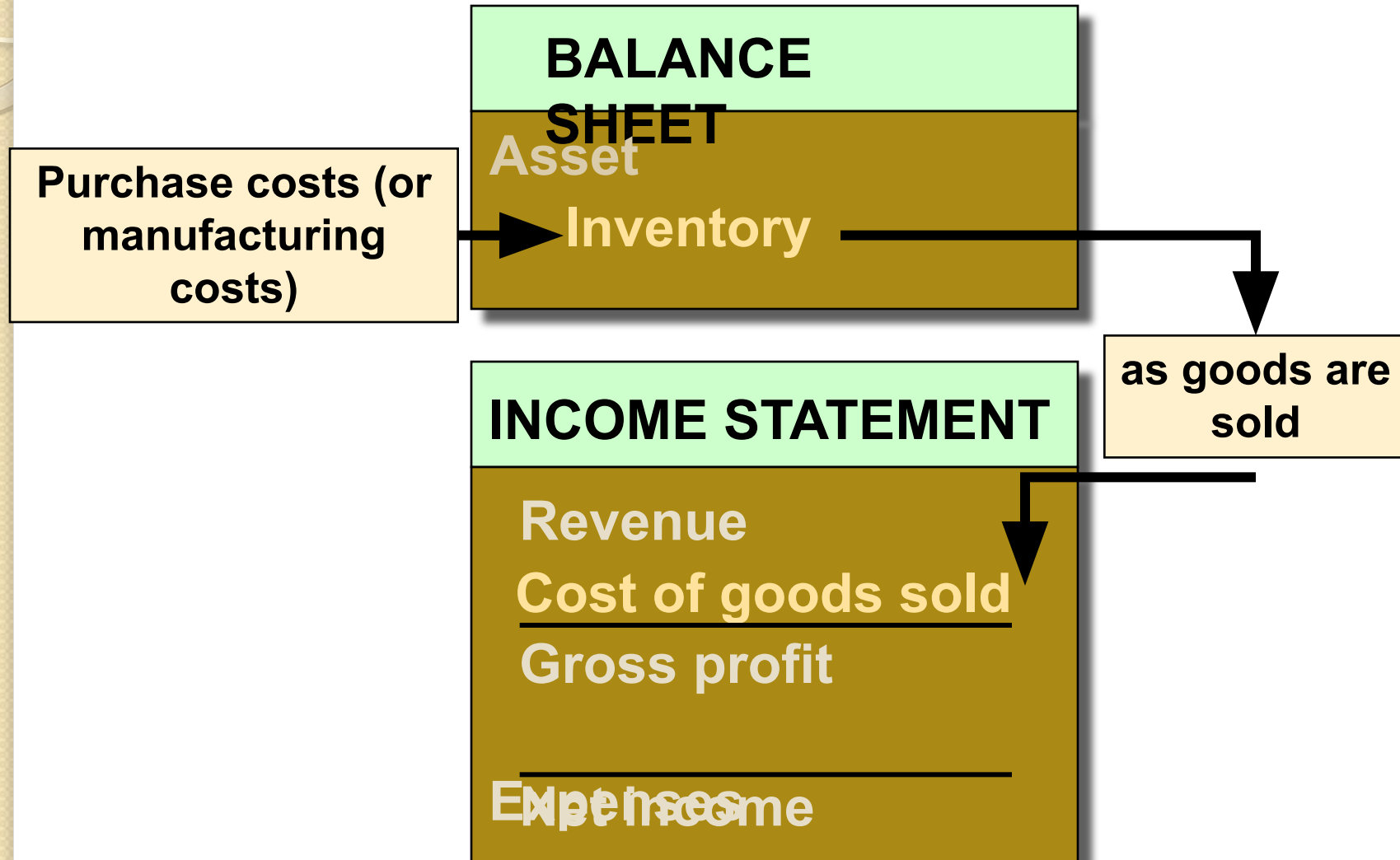


Inventories and the Cost of Goods Sold

Chapter 8



The Flow of Inventory Costs



The Flow of Inventory Costs

In a **perpetual** inventory system, inventory entries parallel the flow of costs.

GENERAL JOURNAL			
Date	Account Titles and Explanation	Debit	Credit
	Entry on Purchase Date		
	Inventory	\$\$\$\$	
	Accounts Payable		\$\$\$\$
	Entry on Sale Date		
	Cost of Goods Sold	\$\$\$\$	
	Inventory		\$\$\$\$

Which Unit Did We Sell?

When identical units of inventory have different unit costs, a question naturally arises as to which of these costs should be used in recording a sale of inventory.

GENERAL JOURNAL			
Date	Account Titles and Explanation	Debit	Credit
	Entry on Sale Date		
	Cost of Goods Sold	\$\$\$\$	
	Inventory		\$\$\$\$

Inventory Subsidiary Ledger

A separate subsidiary account is maintained for each item in inventory.

Item <u>LL002</u>				Primary supplier <u>Electronic City</u>					
Description <u>Laser Light</u>				Secondary supplier <u>Electric Company</u>					
Location <u>Storeroom 2</u>				Inventory level: Min: <u>25</u> Max: <u>200</u>					
	Purchased			Sold			Balance		
Date	Units	Unit Cost	Total	Units	Unit Cost	Cost of Goods Sold	Units	Unit Cost	Total
Sept. 5	100	\$ 30	\$ 3,000				100	\$ 30	\$ 3,000
Sept. 9	75	50	3,750				100	30	3,000
							75	50	3,750
Sept. 10				10	?	?	?	?	?
							?	?	?

How can we determine the unit cost for the Sept. 10 sale?

Data for an Illustration



The Bike Company (TBC)

Cost of Goods Available for Sale

Aug. 1	Beg. Inventory	10 units @ \$ 91	=	\$ 910
Aug. 3	Purchased	15 units @ \$ 106	=	\$ 1,590
Aug. 17	Purchased	20 units @ \$ 115	=	\$ 2,300
Aug. 28	Purchased	10 units @ \$ 119	=	\$ 1,190

Retail Sales of Goods

Aug. 14	Sales	20 units @ \$ 130	=	\$ 2,600
Aug. 31	Sales	23 units @ \$ 150	=	\$ 3,450

Specific Identification



On August 14, TBC sold 20 bikes for \$130 each. Of the bikes sold 9 originally cost \$91 and 11 cost \$106.

Date	Purchases			Cost of Goods Sold			Inventory Balance		
	Units	Unit Cost	Total	Units	Unit Cost	Total	Units	Unit Cost	Total
Aug. 1	10 @	\$ 91 =	\$ 910				10 @	\$ 91 =	\$ 910
Aug. 3	15 @	\$ 106 =	\$ 1,590				10 @	\$ 91 =	\$ 2,500
							15 @	\$ 106	
Aug. 14				9 @	\$ 91 =	\$ 1,985	1 @	\$ 91 =	\$ 515
				11 @	\$ 106		4 @	\$ 106	

The Cost of Goods Sold for the August 14 sale is \$1,985. This leaves 5 units, with a total cost of \$515, in inventory: 1 unit that costs \$91 and 4 units that cost \$106 each.

Specific Identification



GENERAL JOURNAL				
Date		Account Titles and Explanation	Debit	Credit
Aug.	14	Cash Retail (20 × \$130)	2,600	
		Sales		2,600
	14	Cost of Goods Sold Cost	1,985	
		Inventory		1,985

A similar entry is made after each sale.

Specific Identification



Additional purchases were made on August 17 and 28.

Date	Purchases			Cost of Goods Sold			Inventory Balance		
	Units	Unit Cost	Total	Units	Unit Cost	Total	Units	Unit Cost	Total
Aug. 1	10	@ \$ 91	= \$ 910				10	@ \$ 91	= \$ 910
Aug. 3	15	@ \$ 106	= \$ 1,590				10 @ \$ 91 15 @ \$ 106	= \$ 2,500	
Aug. 14				9 @ \$ 91 11 @ \$ 106		= \$ 1,985	1 @ \$ 91 4 @ \$ 106	= \$ 515	
Aug. 17	20	@ \$ 115	= \$ 2,300				1 @ \$ 91 4 @ \$ 106 20 @ \$ 115	= \$ 2,815	
Aug. 28	10	@ \$ 119	= \$ 1,190				1 @ \$ 91 4 @ \$ 106 20 @ \$ 115 10 @ \$ 119	= \$ 4,005	
Aug. 31				1 @ \$ 91 3 @ \$ 106 15 @ \$ 115 4 @ \$ 119		= \$ 2,610	1 @ \$ 106 5 @ \$ 115 6 @ \$ 119	= \$ 1,395	



Specific Identification

Cost of Goods Sold			Inventory Balance		
Units	Unit Cost	Total	Units	Unit Cost	Total
			10 @ \$ 91 = \$		910
			10 @ \$ 91 = \$		2,500
			15 @ \$ 106		
9 @ \$ 91 = \$		1,985	1 @ \$ 91 = \$		515
11 @ \$ 106			4 @ \$ 106		
			1 @ \$ 91		
			4 @ \$ 106 = \$		2,815
			20 @ \$ 115		
			1 @ \$ 91		
			4 @ \$ 106 = \$		4,005
			20 @ \$ 115		
			10 @ \$ 119		
1 @ \$ 91			1 @ \$ 106		
3 @ \$ 106 = \$		2,610	5 @ \$ 115 = \$		1,395
15 @ \$ 115			6 @ \$ 119		
4 @ \$ 119					

Income Statement
COGS = \$4,595

Balance Sheet
Inventory = \$1,395

Average-Cost Method



On August 14, TBC sold 20 bikes for \$130 each.

Date	Purchases			Cost of Goods Sold			Inventory Balance		
	Units	Unit Cost	Total	Units	Unit Cost	Total	Units	Unit Cost	Total
Aug. 1	10	@ \$ 91	= \$ 910				10	@ \$ 91	= \$ 910
Aug. 3	15	@ \$ 106	= \$ 1,590				25	@ \$ 100	= \$ 2,500
Aug. 14				20	@ \$ 100	= \$ 2,000	5	@ \$ 100	= \$ 500

The average cost per unit must be computed prior to each sale.

$$\$2,500 \div 25 = \$100 \text{ avg. cost}$$

Average-Cost Method



Additional purchases were made on August 17 and August 28. On August 31, an additional 23 units were sold.

Date	Purchases			Cost of Goods Sold			Inventory Balance		
	Units	Unit Cost	Total	Units	Unit Cost	Total	Units	Unit Cost	Total
Aug. 1	10	@ \$ 91	= \$ 910				10	@ \$ 91	= \$ 910
Aug. 3	15	@ \$ 106	= \$ 1,590				25	@ \$ 100	= \$ 2,500
Aug. 14				20	@ \$ 100	= \$ 2,000	5	@ \$ 100	= \$ 500
Aug. 17	20	@ \$ 115	= \$ 2,300				25	@ \$ 112	= \$ 2,800
Aug. 28	10	@ \$ 119	= \$ 1,190				35	@ \$ 114	= \$ 3,990
Aug. 31				23	@ \$ 114	= \$ 2,622	12	@ \$ 114	= \$ 1,368

$$\mathbf{\$114 = \$3,990 \div 35}$$

Average-Cost Method



Income Statement
COGS = \$4,622

Cost of Goods Sold			Inventory Balance		
Units	Unit Cost	Total	Units	Unit Cost	Total
			10 @	\$ 91 =	\$ 910
			25 @	\$ 100 =	\$ 2,500
20	@ \$ 100 =	\$ 2,000	5 @	\$ 100 =	\$ 500
			25 @	\$ 112 =	\$ 2,800
			35 @	\$ 114 =	\$ 3,990
23	@ \$ 114 =	\$ 2,622	12 @	\$ 114 =	\$ 1,368

Balance Sheet
Inventory = \$1,368

First-In, First-Out Method (FIFO)

On August 14, TBC sold 20 bikes for \$130 each.

Date	Purchases			Cost of Goods Sold			Inventory Balance		
	Units	Unit Cost	Total	Units	Unit Cost	Total	Units	Unit Cost	Total
Aug. 1	10	@ \$ 91	= \$ 910				10	@ \$ 91	= \$ 910
Aug. 3	15	@ \$ 106	= \$ 1,590				10	@ \$ 91	= \$ 2,500
							15	@ \$ 106	
Aug. 14				10	@ \$ 91	= \$ 1,970	5	@ \$ 106	= \$ 530
				10	@ \$ 106				

The Cost of Goods Sold for the August 14 sale is \$1,970, leaving 5 units, with a total cost of \$530, in inventory.

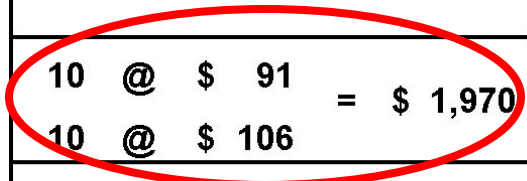
First-In, First-Out Method (FIFO)

Additional purchases were made on Aug. 17 and Aug. 28.
On August 31, an additional 23 units were sold.

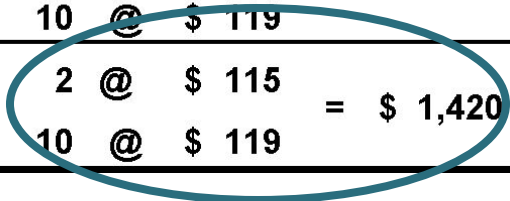
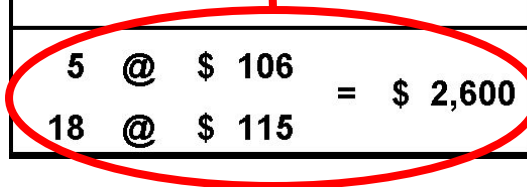
Date	Purchases			Cost of Goods Sold			Inventory Balance		
	Units	Unit Cost	Total	Units	Unit Cost	Total	Units	Unit Cost	Total
Aug. 1	10	@ \$ 91	= \$ 910				10	@ \$ 91	= \$ 910
Aug. 3	15	@ \$ 106	= \$ 1,590				10	@ \$ 91	= \$ 2,500
							15	@ \$ 106	
Aug. 14				10	@ \$ 91	= \$ 1,970	5	@ \$ 106	= \$ 530
				10	@ \$ 106				
Aug. 17	20	@ \$ 115	= \$ 2,300				5	@ \$ 106	= \$ 2,830
							20	@ \$ 115	
Aug. 28	10	@ \$ 119	= \$ 1,190				5	@ \$ 106	
							20	@ \$ 115	= \$ 4,020
							10	@ \$ 119	
Aug. 31				5	@ \$ 106	= \$ 2,600	2	@ \$ 115	= \$ 1,420
				18	@ \$ 115		10	@ \$ 119	

First-In, First-Out Method (FIFO)

Cost of Goods Sold			Inventory Balance		
Units	Unit Cost	Total	Units	Unit Cost	Total
			10 @ \$ 91		= \$ 910
			10 @ \$ 91		= \$ 2,500
			15 @ \$ 106		
10 @ \$ 91		= \$ 1,970	5 @ \$ 106		= \$ 530
10 @ \$ 106					
			5 @ \$ 106		= \$ 2,830
			20 @ \$ 115		
			5 @ \$ 106		
			20 @ \$ 115		= \$ 4,020
			10 @ \$ 119		
5 @ \$ 106		= \$ 2,600	2 @ \$ 115		= \$ 1,420
18 @ \$ 115			10 @ \$ 119		



Income Statement
COGS = \$4,570



Balance Sheet
Inventory = \$1,420

Last-In, First-Out Method (LIFO)

On August 14, TBC sold 20 bikes for \$130 each.

Date	Purchases			Cost of Goods Sold			Inventory Balance		
	Units	Unit Cost	Total	Units	Unit Cost	Total	Units	Unit Cost	Total
Aug. 1	10	@ \$ 91	= \$ 910				10	@ \$ 91	= \$ 910
Aug. 3	15	@ \$ 106	= \$ 1,590				10	@ \$ 91	= \$ 2,500
							15	@ \$ 106	
Aug. 14				15	@ \$ 106	= \$ 2,045	5	@ \$ 91	= \$ 455
				5	@ \$ 91				

The Cost of Goods Sold for the August 14 sale is \$2,045, leaving 5 units, with a total cost of \$455, in inventory.

Last-In, First-Out Method (LIFO)

Additional purchases were made on Aug. 17 and Aug. 28. On Aug. 31, an additional 23 units were sold.

Date	Purchases			Cost of Goods Sold			Inventory Balance		
	Units	Unit Cost	Total	Units	Unit Cost	Total	Units	Unit Cost	Total
Aug. 1	10	@ \$ 91	= \$ 910				10	@ \$ 91	= \$ 910
Aug. 3	15	@ \$ 106	= \$ 1,590				10 @ \$ 91 15 @ \$ 106	= \$ 2,500	
Aug. 14				15 @ \$ 106 5 @ \$ 91		= \$ 2,045	5 @ \$ 91	= \$ 455	
Aug. 17	20	@ \$ 115	= \$ 2,300				5 @ \$ 91 20 @ \$ 115	= \$ 2,755	
Aug. 28	10	@ \$ 119	= \$ 1,190				5 @ \$ 91 20 @ \$ 115 10 @ \$ 119	= \$ 3,945	
Aug. 31				10 @ \$ 119 13 @ \$ 115		= \$ 2,685	5 @ \$ 91 7 @ \$ 115	= \$ 1,260	

Last-In, First-Out Method (LIFO)

Cost of Goods Sold			Inventory Balance		
Units	Unit Cost	Total	Units	Unit Cost	Total
			10 @ \$ 91		= \$ 910
			10 @ \$ 91		= \$ 2,500
			15 @ \$ 106		
15 @ \$ 106		= \$ 2,045	5 @ \$ 91		= \$ 455
5 @ \$ 91					
			5 @ \$ 91		= \$ 2,755
			20 @ \$ 115		
			5 @ \$ 91		
			20 @ \$ 115		= \$ 3,945
			10 @ \$ 119		
10 @ \$ 119		= \$ 2,685	5 @ \$ 91		= \$ 1,260
13 @ \$ 115			7 @ \$ 115		

Income Statement
COGS = \$4,730

Balance Sheet
Inventory = \$1,260

Inventory Valuation Methods: A Summary

Valuation Method	Costs Allocated to:		Comments
	Cost of Goods Sold	Inventory	
Specific identification	Actual cost of the units sold	Actual cost of units remaining	Parallels physical flow
			Logical method when units are unique
			May be misleading for identical units
Average cost	Number of units sold times the average unit cost	Number of units on hand times the average unit cost	Assigns all units the same average unit cost
			Current costs are averaged in with older costs
First-in, First-out (FIFO)	Cost of earliest purchases on hand prior to the sale	Cost of most recently purchased units	Cost of goods sold is based on older costs
			Inventory valued at current costs
			May overstate income during periods of rising prices; may increase income taxes due
Last-in, First-out (LIFO)	Cost of most recently purchased units	Cost of earliest purchases (assumed still in inventory)	Cost of goods sold shown at recent prices
			Inventory shown at old (and perhaps out of date) costs
			Most conservative method during periods of rising prices; often results in lower income taxes

The Principle of Consistency

Once a company has adopted a particular accounting method, it should **follow that method consistently** rather than switch methods from one year to the next.



Taking a Physical Inventory

The primary reason for taking a physical inventory is to adjust the perpetual inventory records for **unrecorded shrinkage losses**, such as theft, spoilage, or breakage.

GENERAL JOURNAL

Date		Account Titles and Explanation	Debit	Credit
Dec.	31	Cost of Goods Sold	\$\$\$\$	
		Inventory		\$\$\$\$

LCM and Other Write-Downs of Inventory

Obsolescence



Reduces the value of the inventory.

Lower of Cost or Market (LCM)



Adjust inventory value to the lower of **historical cost or **current replacement cost** (market).**

LCM and Other Write-Downs of Inventory

	LCM Applied on the Basis of . . .				
	Cost	Market	Individual Items	Inventory Category	Total Inventory
Bicycles:					
Boy's bicycles	\$ 4,200	\$ 4,600	→ 4,200		
Girls bicycles	3,300	3,100	3,100		
Junior bicycle	5,700	5,000	5,000		
Total	<u>\$ 13,700</u>	<u>\$ 12,700</u>		→ 12,700	
Bicycle accessories:					
Training wheels	\$ 485	\$ 525	485		
Headlamps	312	400	312		
Protective helmets	700	600	600		
Gloves	245	212	212		
Kneepads	195	145	145		
Total	<u>\$ 1,937</u>	<u>\$ 1,882</u>		→ 1,882	
Total inventory	<u><u>\$ 15,637</u></u>	<u><u>\$ 14,582</u></u>	<u><u>\$ 14,054</u></u>	<u><u>\$ 14,582</u></u>	<u><u>\$ 14,582</u></u>

Goods In Transit

A sale should be recorded when title to the merchandise **passes** to the buyer.

F.O.B. shipping point — title passes to buyer at the point of shipment.



**Year
End**

F.O.B. destination point — title passes to buyer at the point of destination.

Periodic Inventory Systems

In a **periodic** inventory system, inventory entries are as follows.

GENERAL JOURNAL			
Date	Account Titles and Explanation	Debit	Credit
	Entry on Purchase Date		
	Purchases	\$\$\$\$	
	Accounts Payable		\$\$\$\$

Note that an entry is **not** made to inventory.

Periodic Inventory Systems

In a **periodic** inventory system, inventory entries are as follows.

GENERAL JOURNAL			
Date	Account Titles and Explanation	Debit	Credit
	Entry on Sale Date		
	No entry to inventory.		
	Accounts Receivable	\$\$\$\$	
	Sales		\$\$\$\$

Information for the Following Inventory Examples

Computers, Inc. Mouse Pad Inventory			
Date	Units	\$/Unit	Total
Beginning Inventory	1,000	\$ 5.25	\$ 5,250.00
Purchases:			
Jan. 3	300	5.30	1,590.00
June 20	150	5.60	840.00
Sept. 15	200	5.80	1,160.00
Nov. 29	150	5.90	885.00
Goods Available for Sale	1,800		\$ 9,725.00
Ending Inventory	1,200		?
Cost of Goods Sold	600		?

Specific Identification

Computers, Inc. Mouse Pad Inventory			
Date	Units	\$/Unit	Total
Beginning Inventory	1,000	\$ 5.25	\$ 5,250.00
Purchases:			
Jan. 3	300	5.30	1,590.00
June 20	150	5.60	840.00
Cost of Goods Sold			1,160.00
			885.00
Available for Sale			\$ 9,725.00
Ending Inventory	1,200		\$ 6,400.00
Cost of Goods Sold	600		\$ 3,325.00

$$\$9,725 - \$6,400 = \$3,325$$

Average-Cost Method

Avg. Cost $\$9,725 \div 1,800 =$
\$5.40278

Ending Inventory
Avg. Cost $\$5.40278 \times 1,200 =$
\$6,483

Cost of Goods Sold
Avg. Cost $\$5.40278 \times 600 =$
\$3,242

Computers, Inc. Mouse Pad Inventory			
Date	Units	\$/Unit	Total
Beginning Inventory	1,000	\$ 5.25	\$ 5,250.00
Purchases:			
Jan. 3	300	5.30	1,590.00
June 20	150	5.60	840.00
Sept. 15	200	5.80	1,160.00
Nov. 29	150	5.90	885.00
Goods Available for Sale	1,800		\$ 9,725.00
Ending Inventory	1,200		\$ 6,483.00
Cost of Goods Sold	600		\$ 3,242.00

First-In, First-Out Method (FIFO)

Remember: Start with the 11/29 purchase and then add other purchases until you reach the number of units in ending inventory.

Computers, Inc. Mouse Pad Inventory			
Date	Units	\$/Unit	Total
Beginning Inventory	1,000	\$ 5.25	\$ 5,250.00
Purchases:			
Jan. 3	300	5.30	1,590.00
June 20	150	5.60	840.00
Sept. 15	200	5.80	1,160.00
Nov. 29	150	5.90	885.00
Goods Available for Sale	1,800		\$ 9,725.00
Ending Inventory	1,200		?
Cost of Goods Sold	600		?

First-In, First-Out Method (FIFO)

Date	Beg. Inv.	Purchases	End. Inv.	Cost of Goods Sold
	1,000@\$5.25			600@\$5.25
			400@\$5.25	
Jan. 3		300@\$5.30	300@\$5.30	
June 20		150@\$5.60	150@\$5.60	
Sept. 15		200@\$5.80	200@\$5.80	
Nov. 29		150@\$5.90	150@\$5.90	
Units			<u>1,200</u>	<u>600</u>
Costs			\$6,575	\$3,150
Cost of Goods Available for Sale				\$9,725

First-In, First-Out Method (FIFO)

Completing the table summarizes the computations just made.

Computers, Inc. Mouse Pad Inventory			
Date	Units	\$/Unit	Total
Beginning Inventory	1,000	\$ 5.25	\$ 5,250.00
Purchases:			
Jan. 3	300	5.30	1,590.00
June 20	150	5.60	840.00
Sept. 15	200	5.80	1,160.00
Nov. 29	150	5.90	885.00
Goods Available for Sale	1,800		\$ 9,725.00
Ending Inventory	1,200		\$ 6,575.00
Cost of Goods Sold	600		\$ 3,150.00

Last-In, First-Out Method (LIFO)

Remember:
 Start with beginning inventory and then add other purchases until you reach the number of units in ending inventory.

Computers, Inc. Mouse Pad Inventory			
Date	Units	\$/Unit	Total
Beginning Inventory	1,000	\$ 5.25	\$ 5,250.00
Purchases:			
Jan. 3	300	5.30	1,590.00
June 20	150	5.60	840.00
Sept. 15	200	5.80	1,160.00
Nov. 29	150	5.90	885.00
Goods Available for Sale	1,800		\$ 9,725.00
Ending Inventory	1,200		?
Cost of Goods Sold	600		?

Last-In, First-Out Method (LIFO)

Date	Beg. Inv.	Purchases	End. Inv.	Cost of Goods Sold
	1,000@\$5.25		1,000@\$5.25	
Jan. 3		300@\$5.30	200@\$5.30	100@\$5.30
June 20		150@\$5.60		150@\$5.60
Sept. 15		200@\$5.80		200@\$5.80
Nov. 29		150@\$5.90		150@\$5.90
Units			<u>1,200</u>	<u>600</u>
Costs			\$6,310	\$3,415
Cost of Goods Available for Sale				\$9,725

Last-In, First-Out Method (LIFO)

Completing the table summarizes the computations just made.

Computers, Inc. Mouse Pad Inventory			
Date	Units	\$/Unit	Total
Beginning Inventory	1,000	\$ 5.25	\$ 5,250.00
Purchases:			
Jan. 3	300	5.30	1,590.00
June 20	150	5.60	840.00
Sept. 15	200	5.80	1,160.00
Nov. 29	150	5.90	885.00
Goods Available for Sale	1,800		\$ 9,725.00
Ending Inventory	1,200		\$ 6,310.00
Cost of Goods Sold	600		\$ 3,415.00

Importance of an Accurate Valuation of Inventory

Errors in Measuring Inventory

	Beginning Inventory		Ending Inventory	
	Overstated	Understated	Overstated	Understated
Effect on Income Statement				
Goods Available for Sale	+	-	NE	NE
Cost of Goods Sold	+	-	-	+
Gross Profit	-	+	+	-
Net Income	-	+	+	-
Effect on Balance Sheet				
Ending Inventory	NE	NE	+	-
Retained Earnings	-	+	+	-

An error in ending inventory in a year will result in the same error in the beginning inventory of the next year.

The Gross Profit Method



- 1. Determine cost of goods available for sale.**
- 2. Estimate cost of goods sold by multiplying the net sales by the cost ratio.**
- 3. Deduct cost of goods sold from cost of goods available for sale to determine ending inventory.**

The Gross Profit Method

In March of 2009, Matrix Company's inventory was destroyed by fire. Matrix normal gross profit ratio is 30% of net sales. At the time of the fire, Matrix showed the following balances:

Sales	\$ 31,500
Sales returns	1,500
Beginning Inventory	12,000
Net cost of goods purchased	20,500



The Gross Profit Method

Estimating Inventory The Gross Profit Method		
Goods Available for Sale:		
Step 1	Beginning Inventory	\$ 12,000
	Net cost of goods purchased	20,500
	Goods available for sale	<u>\$ 32,500</u>
Less estimated cost of goods sold:		
Step 2	Sales	\$ 31,500
	Less sales returns	<u>(1,500)</u> × 70%
	Net sales	<u><u>\$ 30,000</u></u>
Step 3	Estimated cost of goods sold	<u>(21,000)</u>
	Estimated March inventory loss	<u><u>\$ 11,500</u></u>

The Retail Method

The **retail method** of estimating inventory requires that management determine the value of ending inventory at retail prices.

In March of 2009, Matrix Company's inventory was destroyed by fire. At the time of the fire, Matrix's management collected the following information:

Information for Matrix Company The Retail Method	
Goods available for sale at cost	\$ 32,500
Goods available for sale at retail	50,000
Physical count of ending inventory priced at retail	22,000

The Retail Method

Matrix would follow the steps below to estimate their ending inventory using the retail method.

Estimating Inventory The Retail Method

a	Goods available for sale at cost	\$ 32,500
b	Goods available for sale at retail	50,000
c	Cost ratio [a ÷ b]	65%
d	Physical count of ending inventory priced at retail	22,000
e	Estimated ending inventory at cost [c × d]	<u><u>\$ 14,300</u></u>

Financial Analysis

$$\text{Inventory Turnover} = \frac{\text{Cost of Goods Sold}}{\text{Average Inventory}}$$

(Beginning Inventory + Ending Inventory) ÷ 2

$$\text{Average Days to Sell Inventory} = \frac{365}{\text{Inventory Turnover}}$$



Financial Analysis

$$\text{Receivables Turnover} = \frac{\text{Net Sales}}{\text{Average Accounts Receivable}}$$

(Beginning Receivables + Ending Receivables) ÷ 2

$$\text{Average Days to Collect Receivables} = \frac{365}{\text{Receivables Turnover}}$$



End of Chapter 8

