COMMERCE MENTORSHIP PROGRAM

MIDTERM REVIEW SESSION COMM 293



PREPARED BY

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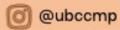






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Chapter 1: Accounting in Action

What is Accounting? (boring version)

- Recognizing, recording, communicating economic activities
- Interested users:
 - Internal (management)
 - External (shareholders)
- Different types:
 - Cost accounting
 - Audit
 - Tax
- Deliver financial info to concerned users

What is Accounting? (better version)

- Language of financial information
- Words in a sentences = numbers in financials
- Wealth lies in financial literacy
- Reading numbers to get ahead
- Don't believe me... Warren Buffet

Warran Buffet on Accounting

https://www.youtube.com/watch?v=rV3Etfww7EQ&ab_channel=InvestmentKnowledge

Financial vs Managerial Accounting

Financial Accounting

- Collecting data for financial statements
- Emphasis on past
- External users
- Follow GAAP/IFRS

Managerial Accounting

- Collecting data for business decision-making
- Emphasis on future
- Internal users
- Follow logic

Assets

- Economic resources controlled by the company
- Result from past business events
- Expected future economic benefits
- Recorded at historical cost
 - The cost of acquisition
- Examples:
 - Accounts receivable
 - Inventory
 - PPE
 - Cash

Liabilities

- Debts/firm obligations
- Result from past business events
- Expected future outflow of economic resources
- Examples
 - Accounts payable
 - Unearned revenue
 - Notes payable
 - Principal & interest payments

Shareholders' Equity

Contributed capital

- Permanent Investments for equity
- Common stock
- # & total value of shares issued

Retained Earnings

 Consists of revenues, less expenses and dividends

Other

Changes in values of assets/liabilities

The Accounting Equation

Assets = Liabilities + Shareholders' Equity

- Must always remain balanced
- Only 2 ways to acquire assets

Ex. 1) If Nike has \$900K in assets and \$300K in liabilities, what is the balance in SE?

Example Corporation Balance Sheet December 31, 2020

ASSETS		LIABILITIES	
Current assets		Current liabilities	
Cash and cash equivalents	\$ 2,200	Short-term loans payable	\$ 5,000
Short-term investments	10,000	Current portion of long-term debt	15,000
Accounts receivable - net	39,500	Accounts payable	20,900
Other receivables	1,000	Accrued compensation and benefits	8,500
Inventory	31,000	Income taxes payable	6,100
Supplies	3,800	Other accrued liabilities	4,000
Prepaid expenses	1,500	Deferred revenues	1,500
Total current assets	89,000	Total current liabilities	61,000
Investments	36,000	Long-term liabilities	
		Notes payable	20,000
Property, plant & equipment - net		Bonds payable	375,000
Land	5,500	Deferred income taxes	25,000
Land improvements	6,500	Total long-term liabilities	420,000
Buildings	180,000		
Equipment	201,000	Total liabilities	481,000
Less: accumulated depreciation	(56,000)		
Property, plant & equipment - net	337,000	Commitments and contingencies (see note	es)
Intangible assets		STOCKHOLDERS' EQUITY	
Goodwill	105,000		
Other intangible assets	200,000	Common stock	110,000
Total intangible assets	305,000	Retained earnings	220,000
		Accum other comprehensive income	9,000
Other assets	3,000	Less: Treasury stock	(50,000)
		Total stockholders' equity	289,000
Total assets	\$ 770,000	Total liabilities & stockholders' equity	\$ 770,000

Innovative Products, Inc. Income Statement

For Year Ending December 31, 2012

Sales \$50,00,000

Cost of Goods Sold

Materials 8,00,000

Labor 11,00,000

Overhead 6,00,000 25,00,000

Gross Margin \$25,00,000

Operating Expenses

Selling Expenses 9,00,000

Administrative Expenses 6,00,000

Depreciation and Amortization 5,00,000 2000000

Operating Income \$5,00,000

Other Income & Expenses

Interest Revenue 50000

Interest Expense -1,00,000

Extraordinary items 2,00,000 1,50,000

Income Before Tax \$6,50,000

Income Tax (at 35%) \$2,27,500

Net Income \$4,22,500



Statement of Stockholders' Equity Example

	Additional		
	Common	Paid-in	Retained
	Stock	Capital	Earnings
Balance, December 31, 20x4	\$ 80,000	\$160,000	\$130,000
Issuance of stock	20,000	65,000	
Net income			69,000
Cash dividends			(21,000)
Stock dividends – 8%	8,000	26,000	(34,000)
Purchase of treasury stock			
Sale of treasury stock		13,000	
Balance, December 31, 20x5	\$108,000	\$264,000	\$144,000

Centerfield Sporting Goods Statement of Cash Flows for period ended December 31, 2019

Cash flows from operations		
Customer payments		2,000,000
Material purchases	-	640,000
Payroll costs	12	840,000
Other payments	=	352,000
Total cash flows from operations		168,000
Cash flows from investing		
Equipment purchase	-	40,000
Total cash flows from investing		40,000
Cash flows from financing		
Loan payments	-	60,000
		-
Total cash flows from financing	-	60,000
Net change in cash		68,000
Beginning cash balance		92,000
Ending cash balance		160,000

Generally Accepted Accounting Principles (GAAP)

- Universal set of accounting regulations
- In Canada:
 - Public companies follow International Financial Reporting Standards (IFRS)
 - Private companies can follow IFRS or ASPE
- In USA:
 - Comply with US GAAP
 - Regulated by the SEC

Chapter 2: The Recording Process

Accounting Equation – Expanded

- Assets = liabilities + SE
- SE = common stock + retained earnings (RE)
- RE = net income dividends
- RE = revenues expenses dividends
- Assets = liabilities + common stock + revenues expenses dividends

Transaction Analysis

- 1) Identify accounts involved
- 2) Determine direction of effect
- 3) Check that A = L + SE remains balanced
- Duality of effects
 - Every transaction affects min. 2 accounts

Transaction Analysis – Examples

• 2) Nike issues \$4,000 of common shares to investors for cash.

• 3) Nike borrows \$12,000 from the bank with a 5-year note.

• 4) Nike buys \$8,000 in new equipment for making shoes. They pay \$1,000 in cash, and agree to a 3-year note for the balance.

Journal Entries

- Method for analyzing transactions
- Recording as either "Debit" or "Credit"
 - ONLY signal left and right
- Summarize results of economic transactions

Journal Entries – Examples

• 5) Nike issues \$4,000 of common shares to investors for cash.

• 6) Nike borrows \$12,000 from the bank with a 5-year note.

• 7) Nike buys \$8,000 in new equipment for making shoes. They pay \$1,000 in cash, and agree to a 3-year note for the balance.

General Ledger

- Shows effects of multiple economic transactions
- Isolates balances for each individual account

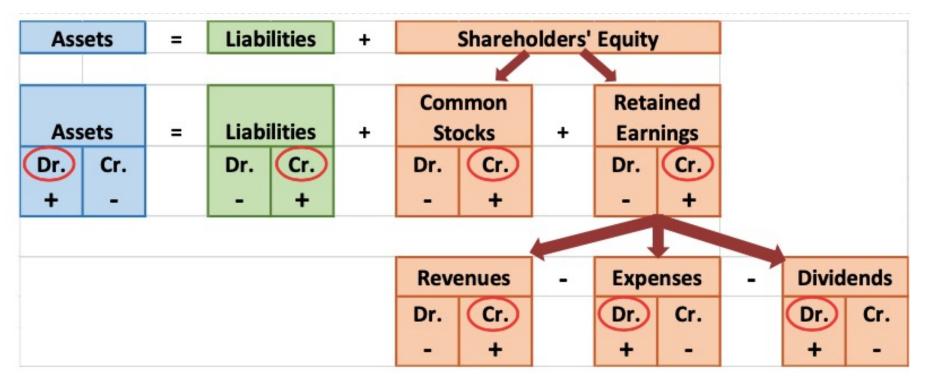
General Ledger – Examples

• 8) Nike issues \$4,000 of common shares to investors for cash.

Nike borrows \$12,000 from the bank with a 5-year note.

• Nike buys \$8,000 in new equipment for making shoes. They pay \$1,000 in cash, and agree to a 3-year note for the balance.

Debit and Credit Framework



- Gain = economic benefit outside regular operations
- Loss = economic loss outside regular operations

Debits and Credits for Journal Entries

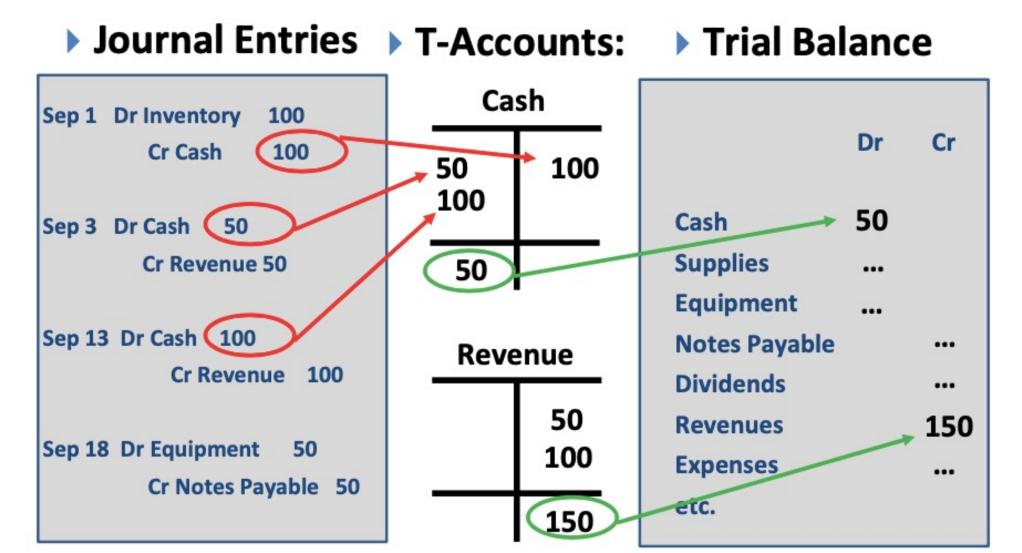
- D.E.A.D
- Debit expenses, assets, dividend increases
- Credit all other increases
- Debits = Credits ALWAYS

Trial Balance

MAGNIFICENT LANDSCAPING SERVICE Adjusted Trial Balance April 30, 2018

Account Title	Debit	Credit
Cash	\$2,950	
Accounts Receivable	575	
Office Supplies	40	
Prepaid Insurance	240	
Equipment	2,500	
Accumulated Depreciation: Equipment		\$ 35
Accounts Payable		28
Salaries Payable		420
Unearned Lawn Mowing Revenue		100
Common Stock		5,000
Dividends	1,000	
Lawn Mowing Revenue		2,350
Gas Expense	53	
Advertising Expense	35	
Depreciation Expense: Equipment	35	
Supplies Expense	85	
Salaries Expense	_420	
	\$ <u>7,933</u>	\$ <u>7,933</u>

Chapter 2 Summary



Chapter 3: Adjusting the Accounts

Accounts Receivable vs Accounts Payable

AR

- Records amounts for goods/services given on credit
- Money owed TO company
- Asset

AP

- Records amounts for goods/services received on credit
- Money owed BY company
- Liability

Methods of Measuring Income

Cash Basis

- Revenues/expenses recorded at transfer of cash
- Not used often, not GAAP
- Can be manipulated by management

Accrual Basis

- Revenues/expenses recorded as incurred
- Used most often, follows GAAP
- Independent of cash receipts timing

Revenue Recognition Principle – Examples

- 1) Cash received BEFORE revenue is earned
 - Dr Cash
 - Cr Unearned revenue (liability)
- 2) Cash received WHEN revenue is earned
 - Dr Cash
 - Cr Sales revenue (retained earnings)
- 3) Cash received AFTER revenue is earned
 - Dr Accounts receivable
 - Cr Sales revenue

Revenue Recognition Principle

- Revenues to be recorded when earned
- Independent of when cash is received/paid

• 9) Ex: Nike sold \$2,000 worth of merchandise on Jan 3rd, but cash payment was collected on Jan 22. When is revenue recognized? Journal entries:

Expense Recognition Principle – Examples

- 1) Cash paid BEFORE expense is incurred
 - Dr Prepaid expense (asset)
 - Cr Cash
- 2) Cash paid WHEN expense is incurred
 - Dr Expense
 - Cr Cash
- 3) Cash paid AFTER expense is incurred
 - Dr Expense
 - Cr Expense payable

Expense Recognition Principle

- Expenses to be recorded when earned
- Independent of when cash is received/paid

• 10) Ex: Nike's marketing team received a \$500 commission for the sale of merchandise on Jan 3rd, but it was paid out on Jan 20. When is the expense recognized? Journal entries:

Two Kinds of Adjusting Entries

Deferrals

- Receipt of assets/cash BEFORE incurring revenue/expense
- Ex. prepaid expenses, unearned revenues

Accruals

- Receipt of assets/cash AFTER incurring revenue/expense
- Ex. accrued revenues/expenses

Deferrals Example

11) Mike spent \$700 on Jan 1st to cover the month's rent fee. What are the journal entries on Jan 1st and Jan 31st?

Accruals Example

• 12) Mike decided to open a car wash. On Jan 3, Bill came and received a \$30 car wash on credit. Next week on Jan 7, Bill sent an e-transfer to cover the cost of the car wash. What are the Jan 3 and Jan 7 journal entries for Mike and Bill?

Depreciation

- Method for allocating cost of tangible asset
- Journal entry: Dr Depreciation Expense, Cr Accumulated Depreciation
- Depreciation expense for current (single) period
- Accumulated depreciation -> contra-asset account
 - Accounts for multiple periods of depreciation
- Depreciation expense = depreciable amount / useful life
- Depreciable amount = (cost of acquiring residual value) / useful life

Accumulated Depreciation vs Depreciation Expense

Accumulated Depreciation

- Credit balance
- Contra-asset account, offsets assets on balance sheet
- Permanent account

Depreciation Expense

- Asset depreciation for 1 period
- Appears on income statement
- Temporary account

Adjusting Entries – Depreciation

• 13) Nike bought a company truck for \$98K on Jan 1, 2019. The truck has a useful life of 7 years and is expected to generate annual sales of \$300K with no residual value. Jan 1, 2016 journal entries:

• Adjusting entries on Dec 31, 2016 for depreciation:

Book Value

- Book value = cost of depreciable asset accumulated depreciation
- 14) Ex. Nike bought a company truck for \$98K on Jan 1, 2019. The truck has a useful life of 7 years and is expected to generate annual sales of \$300K with no residual value. Book value at Dec 31, 2021?

Expenses Misstatement - Example

- Payments cover beyond current period
- 15) Ex. A business paid \$100,000 in salaries for 2 years at the start of their fiscal year. They recorded this journal entry:
 - Dr Salaries Expense \$100,000
 - Cr Cash \$100,000

Adjusting journal entry at year end:

Chapter 4: Completing the Accounting Cycle

Purpose of Closing Process

- Balance sheet items roll-forward balances
- I/S items don't roll forward balances
- Must create 0 balance in temporary accounts
- Allocate net income/loss to retained earnings

Permanent vs Temporary Accounts

Permanent Accounts

- Assets
- Liabilities
- Shareholders' Equity

Temporary Accounts

- Revenues
- Expenses
- Gains
- Losses
- Dividends declared

Step 1) Closing Revenues to Income Summary

• 16) Ex. Nike has balances of \$7,000 in sales revenue, \$3,000 in service revenue and \$500 gain from investments.

Step 2) Closing Expenses to Income Summary

• 17) Ex. Nike has balances of \$2,000 in COGS, \$1,500 in advertising, \$1,000 in office supplies, and \$500 in legal fees.

Step 3) Close Income Summary to Retained Earnings

• 18) Income Summary has a balance of \$5,500

Step 4) Close Dividends to Retained Earnings

• 19) Ex. Nike has a dividend balance of \$100

Skipping Income Summary

Closing revenues:

- Dr Revenues/Gains
- Cr Retained Earnings

Closing expenses:

- Dr Retained Earnings
- Cr Expenses/Losses

Closing dividends:

- Dr Retained Earnings
 - Cr Dividends

Balance Sheet Classifications

- Current assets
 - Expected usage within 1 year
- Long-term investments
- PPE
- Intangible assets
- Current liabilities
 - Obligations due within 1 year
- Obligations paid after 1 year
- Accounts ordered by liquidity

Operating Cycle

- Time period for inventory to turn to cash
- 1) Purchase inventory
- 2) Sell it on account
- 3) Collect payment from customers
- Approximately 1 year

Chapter 5: Accounting for Merchandising Operations

Merchandising Companies

- Product/goods oriented rather than services
- Retailers (sales direct to end-users)
 - Ex. Walmart, Superstore
- Wholesalers (sales to retailers)
 - Ex. Proctor & Gamble, General Mills
- Hold inventory as current asset
- COGS is total cost of goods (inventory) sold

Perpetual vs Periodic Inventory Systems

Perpetual

- Constant tracking of inventory changes
- Better control over inventory
- Real time reporting of profits
- Expensive to maintain
- Common for high-value goods

Periodic

- Does not keep constant track of inventory changes
- COGS calculated only at the end
- Not always up to date
- Inventory adjusted end of period

Cost of Goods Sold (COGS)

- Direct cost of goods acquired that were sold
- Cost incurred only if inventory is sold
- Essential in matching principle

Perpetual Inventory – Delivery Costs

- If seller pays for delivery of inventory:
 - Dr Delivery Expense
 - Cr Cash/AP
 - No journal entries for buyer
- If buyer pays for delivery of inventory:
 - Dr Inventory
 - Cr Cash/AP
 - Included in overall cost of inventory

Perpetual Inventory – Delivery Costs Example

• 20) Nike buys \$5,000 worth of clothes from XYZ on Jan 3 and pays \$500 delivery costs on credit. The journal entries for Nike:

• 21) If XYZ (the seller) takes care of the delivery costs, the journal entries for Nike and for XYZ are:

Perpetual Inventory — Purchase Discounts

- Discount granted on sale of inventory
- Journal entries
 - Dr AP
 - Cr Inventory
 - Cr Cash

Perpetual Inventory – Purchase Allowance

- Reduction in price due to item defect/wrong order
- Journal entries
 - Dr AP
 - Cr Inventory

Perpetual Inventory – Purchase Return

- Customer returns item to merchandiser
- Journal entries
 - Dr AP
 - Cr Inventory

Credit Terms

- Ex. Nike bought \$10,000 worth of clothes from XYZ on account with credit term 3/12, n/30
- Three-twelve, net thirty
- 3 % discount if paid within 12 days, else full balance in 30 days

Credit Terms – Example

- 22) Ex. Nike bought \$40K clothes on account from XYZ on Feb 2 with credit terms 3/12, n/30.
- Feb 2 journal entries for Nike:

Assuming Nike pays on Feb 13, journal entries:

Assuming Nike pays on Mar 1, journal entries:

Perpetual Inventory – COGS Example

• 23) Nike sold \$7,000 clothes on credit to customers on Jan 14. The clothes cost Nike \$2,500 at the time of the transaction. Journaling the credit sale for Nike:

Journaling the COGS for Nike:

Perpetual Inventory — Purchase Returns Ex.

• 24) Nike bought too many clothes from supplier XYZ and opted to return \$4,000 cloths to XYZ on Jan 5. The clothes cost XYZ \$1,000 to make. The journal entries for Nike:

The journal entries for XYZ:

Sales returns and allowances -> contra-revenue account for the seller

Sales Returns & Allowances – for Seller

- Sales return (customer returns product for refund)
 - Dr Sales returns and allowances*
 - Cr Accounts receivable
- Sales allowance (customer granted price reduction as compromise for incorrect order/broken product)
 - Dr Sales returns and allowances*
 - Cr Accounts receivable
- *Contra-revenue accounts
 - Deducted from gross sales revenue to determine net sales
 - Debit balance, increases lower revenues

Periodic Inventory – Journal Entries

- For purchasing inventory:
 - Dr Purchases (expense account)
 - Cr Cash/AP
- For selling goods
 - Dr Cash/AR
 - Cr Sales revenue
- For COGS
 - No entry required
 - Recall: COGS determined end of year in periodic system
 - Beginning Inv + Net purchases = COGAS , COGAS Ending Inv = COGS

Periodic Inventory — Purchase Discounts, Returns & Allowances

- For purchase discount:
 - Dr AP
 - Cr Purchase discounts*
 - Cr Cash
- For purchase allowance:
 - Dr AP
 - Cr Purchase allowances*
- For purchase return:
 - Dr AP
 - Cr Purchase returns*

- *Contra-expense accounts
 - Deducted from gross expenses
 - Credit balance

Net sales reporting

- Sales revenue
- Less: Sales Discounts
- Sales returns & allowances
- Net Sales
- Less: COGS
- =Gross profit (gross margin)

Net income reporting

- Multi-step income statement
- = Gross profit
- Less: Operating expenses
- = Operating income before taxes
- Less: Taxes
- = Net Income

Operating expenses are rent, supplies, salaries, advertising

Income Statement Equations

- Gross profit = Net sales COGS
- Gross profit rate = Gross profit / Net sales
- Single-step I/S:
 - Net income = Revenues Expenses
- Multi-step I/S:
 - Net income = Gross profit Operating expenses
 - Net income = Net sales COGS Operating expenses

Gross Profit Rate vs Markup

Gross profit rate

- Based on net sales
- (Net sales COGS) / Net sales

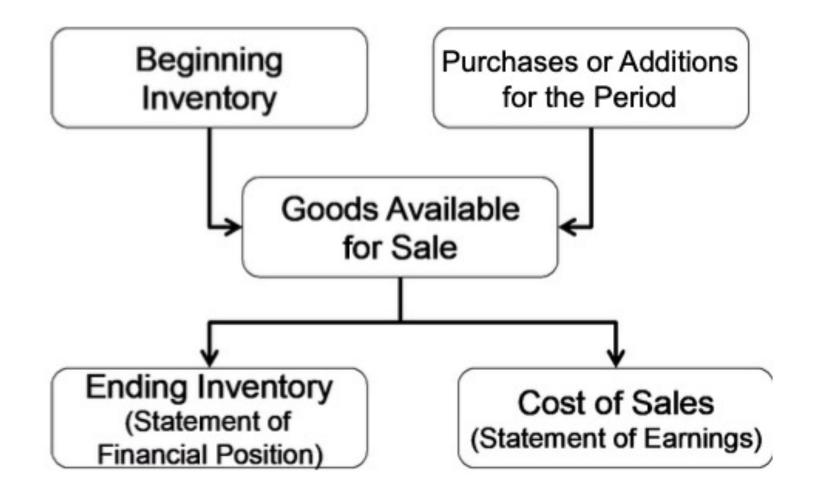
Markup

- Based on price
- (Sales price cost) / cost * 100

25) Ex. Nike marks up a pair of shoes to sell for retail at \$120 that cost \$60 to make. Determine the markup and gross profit rate.

Chapter 6: Inventories

Cost of Sales



Perpetual vs Periodic Inventory Systems

	Inventory System		
Item	Perpetual System	Periodic System	
Beginning Inventory	Carried over from prior period	Carried over from prior period	
Add: Purchases or Additions	Accumulated in the Inventory account	Accumulated in the Purchases account	
Equals: Cost of Goods A	vailable for Sale		
Less: Ending Inventory	Perpetual record updated at every sale	Measured at end of period by physical inventory count	
Equals: Cost of Sales	Measured at every sale based on perpetual record	Computed as a residual amount a end of period	

Determining Ownership of Goods

- FOB shipping point
 - Possession passes to buyer when goods are shipped
 - Buyer pays transport costs
- FOB destination
 - Possession passes to buyer when goods are delivered
 - Seller pays transport costs
- Consigned goods
 - Inventory given to a 3rd party (consignor) to sell
 - Still belongs to manufacturer/merchandiser
 - Possession not transferred, no revenue recognition

Inventory Cost Flow Methods: Specific Identification

- Tracks specific costs to specific goods
- Common for special/unique goods
- COGS calculated specifically with goods sold in period
- Inventory calculated based on specific items remaining
- Expensive, needs detailed info
- Same results with perpetual & periodic inventory

Inventory Cost Flow Methods: First-In, First-Out (FIFO) Assumptions

- Earliest goods bought are 1st to be sold
- 1st (oldest) goods are first to be recognized as COGS
- Oldest units not actually sold first (but their costs are recognized first)
- Oldest costs -> COGS
- Newest costs -> Ending inventory
- Used in periodic inventory (not in perpetual)

FIFO Example

• 26) Walmart bought 600 milk cartons for sale at \$0.3 each on Jan 2. Then, they bought 300 milk cartons at \$0.4 each on Jan 5. Finally, they bought 100 milk cartons at \$0.7 on Jan 10. All milk cartons are identical. On Jan 12, Walmart sold 500 milk cartons at \$2 each. Determine COGS and ending inventory on Jan 12.

Inventory Cost Flow Methods: Last-In, First-Out (LIFO) Assumptions

- Latest goods bought are 1st to be sold
- Latest (newest) goods are first to be recognized as COGS
- Newest units not actually sold first (but their costs are recognized first)
- Newest costs -> COGS
- Oldest costs -> Ending inventory
- Used in periodic inventory (not in perpetual)

LIFO Example

• 27) Walmart bought 600 milk cartons for sale at \$0.3 each on Jan 2. Then, they bought 300 milk cartons at \$0.4 each on Jan 5. Finally, they bought 100 milk cartons at \$0.7 on Jan 10. All milk cartons are identical. On Jan 12, Walmart sold 500 milk cartons at \$2 each. Determine COGS and ending inventory on Jan 12.

Inventory Cost Flow Methods: Average Cost

- Average cost = COGAS / # units available for sale
- Average cost assigned to COGS and ending inventory
- COGS = (avg. cost per unit) x (# units sold)
- Ending inventory = (avg. cost per unit) x (# units in ending inv.)

Average Cost Example

• 28) Walmart bought 600 milk cartons for sale at \$0.3 each on Jan 2. Then, they bought 300 milk cartons at \$0.4 each on Jan 5. Finally, they bought 100 milk cartons at \$0.7 on Jan 10. All milk cartons are identical. On Jan 12, Walmart sold 500 milk cartons at \$2 each. Determine COGS and ending inventory on Jan 12.

Inventory Cost Flow Methods: Other Notes

- During rising prices/inflation
 - FIFO -> lowest COGS, highest ending inventory
 - LIFO -> highest COGS, lowest ending inventory
- Above reversed if falling prices
- Avg. cost yields net income between FIFO, LIFO (regardless of rising/falling prices)
- Managers are motivated to choose certain methods
- IFRS prohibits LIFO
- U.S. GAAP allows FIFO, LIFO, and weighted avg. cost methods

Financial Statement Ratios: Inventory Turnover

- Inventory turnover = cost of sales / avg. inventory
- Avg. inventory = (beginning inventory + ending inventory) / 2
- How many times avg. inventory was produced and sold
- High ratio -> fast moving inventory

Financial Statement Ratios: Average Days in Inventory

- Avg. days in inventory = 365 / inventory turnover ratio
- How long inventory is expected to be held
- Higher numbers -> concern for product obsolescence

Chapter 8: Recognition of Accounts Receivable

Types of Receivables

- Accounts receivable (trade receivables)
 - Credit sales
 - Current asset (collectible within <1 year)
- Notes receivable
 - Written promises from parties with specific terms on payment
- Other receivables
 - Owed to company for reasons other than regular operating transactions
 - Ex. loans to employees

Recording Receivables

- Increased when revenue is recognized
 - Dr Accounts receivable
 - Cr Sales revenue
- Reduced on collection of payments
 - Dr Cash
 - Cr Accounts receivable
- Reduced on returns/allowances
 - Dr Sales returns/allowances
 - Cr Accounts receivable

Receivables review from Chapter 5

 29) Nike bought \$6,000 clothes from XYZ on account. XYZ granted Nike 2% discount. What are the journal entries for XYZ?

• Nike returns \$2,000 clothes to XYZ that were bought on account. What are the journal entries for XYZ?

Merchandise Cards

- Preferred by management, lower transaction costs
 - Visa, MasterCard take commissions
 - Increases sales revenue, if receivables collected
- 30) Ex. A shopper bought \$200 clothing at Walmart using a Walmart credit card on Feb 1. They didn't pay the \$200 balance at the end of the month, and Walmart charges 2% per month on the balance.

 Journal entries for Walmart:

Third-Party Credit Cards

- Non-merchandise cards
- Visa, Mastercard, American Express
- Retailers record a service charge expense
- 31) Ex. A shopper bought \$3,000 pair of Off-White sneakers and paid for it with Mastercard. Mastercard charges a 4% service fee. Journal entries for Off-White:

Uncollectible Accounts Receivable

- Uncollectible balances in AR -> Bad debt expense
- Direct method
 - Write-off when the actual uncollectible results in a loss
 - Dr Bad debt expense
 - Cr Accounts receivable
- Direct method issues
 - Not following matching principle (write-off may happen in subsequent period to earned revenue)
 - Depends on knowing when AR is uncollectible
 - Generally not allowed in financial reporting

Allowance Method for Bad Debts

- An estimate is made for the expected amount of bad debt for the period
 - Dr Bad debt expense
 - Cr Allowance for doubtful accounts (contra-asset account)
- If account is confirmed to be uncollectible:
 - Dr Allowance for doubtful accounts
 - Cr Accounts receivable
- If previously written-off account becomes collectible:
 - Dr Accounts receivable
 - Cr Allowance for doubtful accounts

Bad Debt Expense vs Allowance for Doubtful Accounts

Bad Debt Expense

- Temporary account
- Expense on I/S
- Estimated uncollectible AR amount for current period

Allowance for Doubtful Accounts

- Permanent account
- Contra-asset, balance sheet
- Accumulates over time, reduces total value of AR

Estimating Bad Debt Expense

- % of credit sales method
 - (Credit sales) x (% estimated to be uncollectible)
 - % usually based on prior credit history
- Aging of accounts receivables method
 - Estimate % of bad debt within different age groups of receivables
 - Computes estimate for total outstanding bad debt -> ending ADA balance
 - Record bad debt expense to adjust to the ADA balance

Estimated Bad Debt Expense – Example

• 32) Nike uses the % of sales method. They estimate that 3% of net credit sales for 2020 will be uncollectible. If net credit sales are expected to be \$8,000 for 2020, journalize the expected bad debt.

• Nike determined that \$12,000 was uncollectible after some customers went bankrupt, so they wrote it off from AR. Journalize:

Estimated Bad Debt Expense – Example

• 32) Later, Nike agent collected \$4,000 of AR that was previously written-off. Journalize:

Estimated Bad Debt Expense – Example

- Nike's total AR for year ended 2020
- Not yet due = \$300K (2% estimated uncollectible)
- 1-30 days overdue = \$200K (4% estimated uncollectible)
- 31-60 days overdue = \$90K (5% estimated uncollectible)
- 61-90 days overdue = \$150K (10% estimated uncollectible)
- Over 90 days overdue = \$130K (20% estimated uncollectible)
- 33) Estimated bad debt expense if balance in ADA is \$10K?

Selling Accounts Receivable

- Collecting payments from clients too costly
- Generate liquidity
- Cost to sell is lower than not collecting at all
- 34) Ex. If Nike decides to sell \$80K worth of receivables at a 4% service charge, the journal entries are:

Financial Statement Ratios: Receivables Turnover

- Receivables turnover = Net credit sales / avg. net AR
- Tells # of times avg. receivables are recorded & collected during the year
- Higher ratio -> faster collection of receivables
- 35) Ex. Nike had net sales of \$20M in 2020, 80% of which were on credit. Receivables at Dec 31, 2020 were \$250K and at Dec 31, 2019 were \$180K. Receivables turnover =

Financial Statement Ratios: Average Collection Period

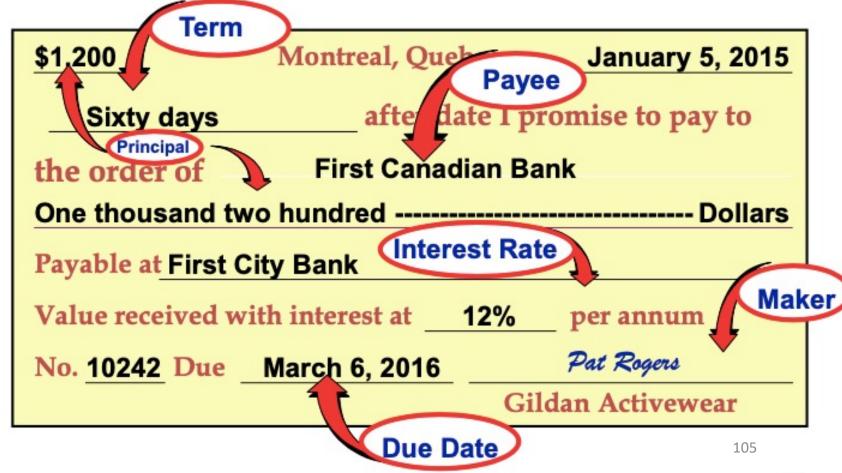
- Avg. collection period = 365 / receivables turnover
- Tells on avg. how long it takes customers to pay
- Higher ratios -> usually better
- 36) Ex. Following last Nike example, avg. collection period is:

Allowance for Doubtful Accounts Summary

Allowance for	Doubtful Accounts
	B.B.
Uncollectibles -A/R write off	Bad Debt Expense
	Recovery of uncollectibles
	E.B.

Notes Receivable

- Contractual right to receive cash
- Written promise
- Principal + interest



Notes Receivable – Calculating Interest

- Formula = (face value of note) X (annual interest rate) X (time in terms of 1 year)
- 37) Ex. Nike issued a promissory note for \$500,067 with 7% annual interest on April 3rd 2020. Calculate the interest income in Nike's books on June 9th 2020 and journal the entries: