# **Chapter 5**

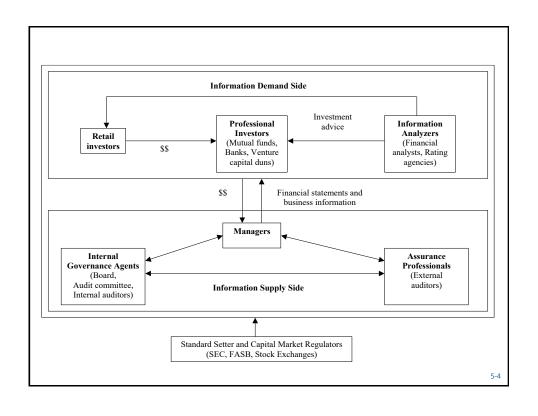
# Communicating and Interpreting Accounting Information

# **Learning Objectives**

- **5-1** Recognize the people involved in the accounting communication process (regulators, managers, directors, auditors, information intermediaries, and users), their roles in the process, and the guidance they receive from legal and professional standards.
- **5-2** Identify the steps in the accounting communication process, including the issuance of press releases, annual reports, quarterly reports, and SEC filings, as well as the role of online information services in this process.
- **5-3** Recognize and apply the different financial statement and disclosure formats used by companies in practice and analyze the gross profit percentage.
- **5-4** Analyze a company's performance based on return on assets and its components and the effects of transactions on financial ratios.

# Learning Objective 5-1

**5-1** Recognize the people involved in the accounting communication process (regulators, managers, directors, auditors, information intermediaries, and users), their roles in the process, and the guidance they receive from legal and professional standards.



### **Managers**

Managers are primarily responsible for the information in the financial statements and disclosures.

Chief Executive Officer (CEO): highest officer of the company

<u>Chief Financial Officer (CFO)</u>: highest officer associated with the financial and accounting side of the business

### The CEO and CFO must personally certify that:

- Each report filed with the SEC does not contain untrue statements or omitted facts.
  - There are no significant deficiencies or material weaknesses in the internal controls over financial reporting.
- They have disclosed to the auditors and audit committee any weaknesses in internal controls or fraud involving management or employees who have a role in financial reporting.

The accounting staff, who actually prepare the details of the reports, also bear professional responsibility for the accuracy of this information, although their legal responsibility is smaller.

5-5

### **Board of Directors (Audit Committee)**

### **Board of Directors**

The board of directors oversees the CEO and other senior management and assures that the long-term interests of shareholders are being served.

The board of directors are elected by the stockholders.

### **Audit Committee of the Board of Directors**

The audit committee of the board of directors is responsible for ensuring that processes are in place for maintaining the integrity of the company's accounting, financial statement preparation, and financial reporting.

It is responsible for hiring the company's independent auditors and must meet separately with the auditors to discuss management's compliance with their financial reporting responsibilities.

Committee members must be nonmanagement (independent) directors with financial knowledge.

### **Auditors**

### **Independent Auditors**

The SEC requires publicly traded companies to have their statements and their control systems over the financial reporting process audited by an independent registered public accounting firm (independent auditor) following auditing standards established by the PCAOB.

Many privately owned companies also have their statements audited.

By signing an **unqualified (clean) audit opinion**, a CPA firm assumes part of the financial responsibility for the fairness of the financial statements and related presentations. This opinion, which adds credibility to the statements, is often required by lenders and private investors.

Subjecting the company's statements to independent verification reduces the risk that the company's financial condition is misrepresented in the statements.

5-7

### The "Big 4"

The following four firms are referred to as the "Big 4"

**Ernst & Young** 

**Deloitte & Touche** 

KPMG

### PricewaterhouseCoopers

Each of these firms employs thousands of CPAs in offices scattered throughout the world. They audit the great majority of publicly traded companies as well as many that are privately held.

Some public companies and most private companies are audited by smaller CPA firms.

# **Information Intermediaries: Information Services and Financial Analysts**

Most investors rely on company websites, information services, and financial analysts to gather and analyze information.

Companies file their SEC forms electronically using the **EDGAR** (Electronic Data Gathering, Analysis, and Retrieval) service. Each fact in the report is tagged to identify its source and meaning using a language called **XBRL**.

**Information services** allow investors to gather their own information about the company and monitor analysts recommendations.

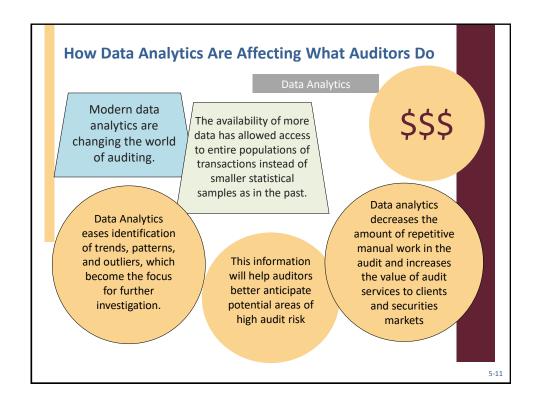
- Fee-based services (Compustat and Thomson Reuters)
- Information on the web (google, marketwatch, Bloomberg)

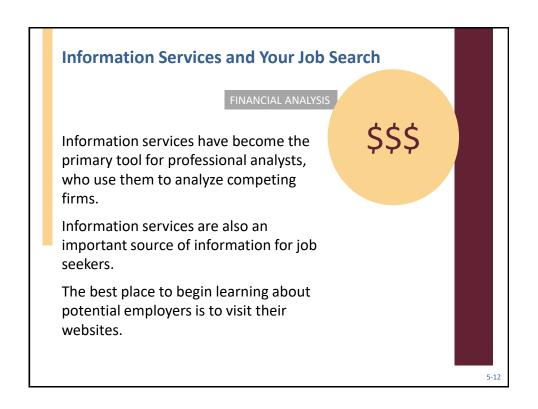
**Financial analysts** prepare reports including forecasts of future quarterly and annual earnings per share and share price; a buy, hold, or sell recommendation for the company's shares; and explanations for these judgments.

5-9

# Exhibit 5.2 Google Finance Information on Apple Open Michigan Apple Inc. (Information on Apple Information Informat

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# Users: Institutional and Private Investors, Creditors, and Others

### **Institutional Investors**

Pension, mutual, endowment, and other funds that invest on the behalf of others.

### **Private Investors**

Individuals, including large individual investors such as venture capitalists, who purchase shares in companies.

### **Lenders or Creditors**

Suppliers, banks, commercial credit companies, and other financial institutions that lend money to companies.

5-13

# Learning Objective 5-2

**5-2** Identify the steps in the accounting communication process, including the issuance of press releases, annual reports, quarterly reports, and SEC filings, as well as the role of online information services in this process.

### **The Disclosure Process**

SEC regulation FD, for "Fair Disclosure," requires that companies provide all investors equal access to all important company news.

Managers and other insiders also are prohibited from trading their company's shares based on nonpublic (insider) information so that no party benefits from early access.

Public companies announce quarterly and annual earnings through a press release as soon as the verified figures (audited for annual and reviewed for quarterly earnings) are available. Many companies follow these press releases with a conference call during which senior managers answer analysts' questions about the results.

5-15

# How Does the Stock Market React to Earnings Announcements?

FINANCIAL ANALYSIS

For actively trading companies, most of the stock market reaction (stock price increases and decreases from investor trading) to news in the press release usually happens quickly.

The market reacts not to the amount of earnings, but to the difference between *expected* and *actual* earnings.

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### Exhibit 5.3

Earnings Press Release Excerpt for Apple Inc.

A press release is a written public news announcement normally distributed to major news services.

### APPLE REPORTS FOURTH QUARTER RESULTS

Revenue Up 12 Percent and EPS Up 24 Percent to New September Quarter Records

### Services Revenue Reaches All-Time High

Cupertino, California—November 2, 2017—Apple today announced financial results for its fiscal 2017 fourth quarter ended September 30, 2017. The Company posted quarterly revenue of \$52.6 billion, an increase of 12 percent from the year-ago quarter, and quarterly earnings per diluted share of \$2.07, up 24 percent. International sales accounted for 62 percent of the quarter's revenue. . . . .

"Apple's year-over-year revenue growth rate accelerated for the fourth consecutive quarter and drove EPS growth of 24 percent in the September quarter," said Luca Maestri, Apple's CFO. "We also generated strong operating cash flow of \$15.7 billion and returned \$11 billion to investors through our capital return program."

5-1

# The Disclosure Process: Annual Reports and Form 10-K

The annual reports for **privately** held companies normally include:

- 1. Four basic financial statements.
- 2. Related notes (footnotes).
- Report of Independent Accountants (Auditor's Opinion) if the statements are audited.

The annual reports of **public** companies (called Form 10-K) have additional SEC reporting requirements such as these components:

 $\textbf{Item 1. Business:} \ \textbf{Description of business operations and company strategy}.$ 

Item 6. Selected Financial Data: Summarized financial data for a 5-year period.

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations: Management's views on the causes of its successes and failures during the reporting period and the risks it faces in the future.

**Item 8. Financial Statements and Supplemental Data:** The four basic financial statements and related notes, the report of management, and the auditor's report.

# The Disclosure Process: Quarterly and Other SEC Reports

Quarterly reports for private companies, usually prepared for lenders, include less information than annual reports and are not audited.

Public companies file their quarterly reports on **Form 10-Q** with the SEC. The Form 10-Q contains most of the information items provided in the financial section of the 10-K and some additional items.

Public companies must file other reports with the SEC. These include the current events report **Form 8-K**, which is used to disclose any material event not previously reported that is important to investors (e.g., auditor changes, mergers).

5-19

# Learning Objective 5-3

**5-3** Recognize and apply the different financial statement and disclosure formats used by companies in practice and analyze the gross profit percentage.

# A Closer Look at Financial Statement Formats and Notes

There are three additional characteristics of financial statements and related disclosures that make them more useful:

- Comparative financial statements. To allow users to compare performance from period to period, companies report financial statement values for the current period and one or more prior periods.
- 2. Additional subtotals and classifications in financial statements. You should not be confused when you notice slightly different statement formats used by different companies.
- **3.** Additional disclosures. Most companies present voluminous notes that are necessary to understand a company's performance and financial condition.

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# Exhibit 5.4 Balance Sheet of Apple Inc. APPLE RAY COOLD EXCEPT: Around Region Annot the art of the seal of the red for code specified in the result of the red for code specified in the red for the red for code specified in the red for the red for code specified in the red for code in the red for code in the red for code specified in the red for code in the red f

11

### **Classified Income Statement**

Manufacturing and merchandising companies that sell goods report the subtotal Gross Profit. Gross Profit (also called Gross Margin) is the difference between net sales and cost of goods sold.

Operating Income is computed by subtracting operating expenses from gross profit.

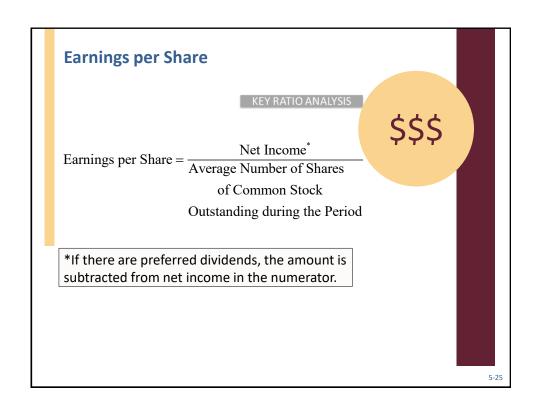
Nonoperating (other) Items are revenues, expenses, gains and losses that do not relate to the company's primary operations. These items are added to or subtracted from Operating Income to obtain Income before Income Taxes.

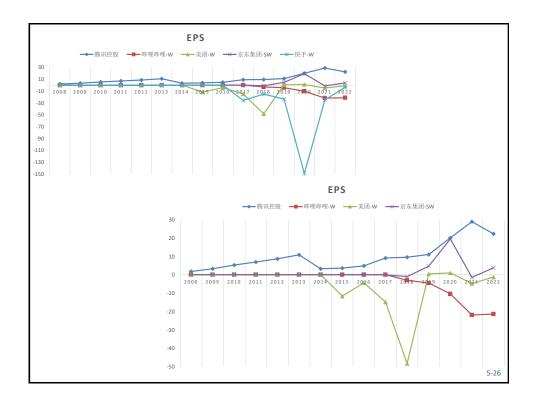
Provision for Income Taxes (Income Tax Expense) is subtracted from Income before Income Taxes to obtain Net Income.

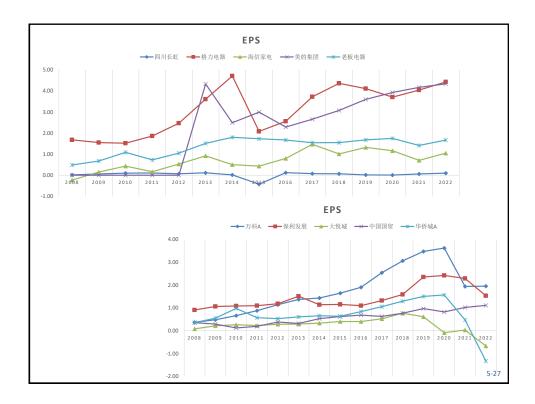
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### Exhibit 5.5 Income Statement of Apple Inc. APPLE INC. Consolidated Statements of Operations (In millions, except number of shares which are reflected in thousands and per share amounts) APPLE Years ended REAL WORLD EXCERPT: September 26, September 30, September 24, Annual Report 2016 \$233,715 \$229,234 \$215,639 Net sales 141,048 131,376 140,089 Cost of sales 93,626 Gross profit 88,186 84,263 Operating expenses: Operating activities (central focus Research and development 11,581 10,045 8,067 of the business) Selling, general, and administrative 15,261 14,194 14,329 22,396 Total operating expenses 26,842 24,239 61,344 71,230 Operating income Peripheral activities (not the main Other income/(expense), net 2,745 1,348 1,285 focus of the business) Income before provision for income taxes 64,089 61,372 72,515 Provision for income taxes 15.738 15.685 19.121 } Income tax expense Net income \$ 48,351 \$ 45,687 \$ 53,394 Earnings per share: \$ 9.27 \$ 8.35 \$ 9.28 } = Net Income/Average Number Shares used in computing earnings per share: 5,217,242 5,470,820 5,753,421 \*Apple's statements have been simplified for purposes of our discussion. 5-24

12







### Exercise 5-1

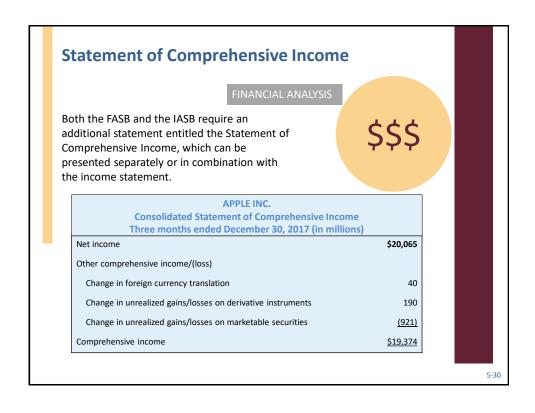
Lorelei's, Inc., operates the two best-known high-end department store chains in North America: Lorelei's and Chorelei. The following data (in millions) were taken from its recent annual report for the year ended September 30:

Cost of sales	\$350,000
Federal, state, and local income tax expense	21,000
Interest expense	9,000
Interest income	18,000
Net sales	550,000
Other operating expenses	43,000
Selling, general, and administrative expenses	95,000

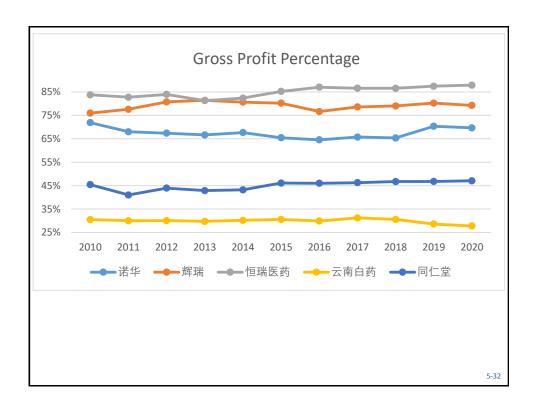
### Required:

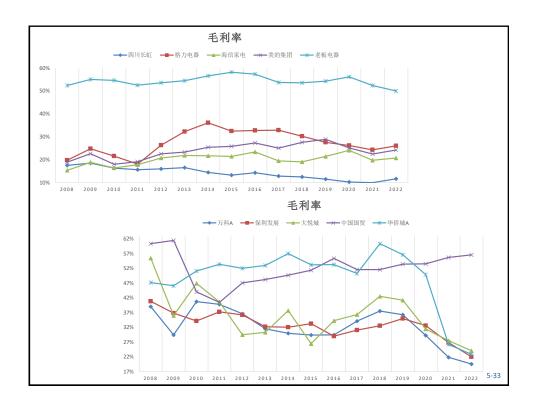
Prepare a complete classified (multiple-step) consolidated statement of income for the company (showing gross margin, operating income, and income before income taxes).

Cost of sales	<b>\$250.000</b>
2000 01 04100	\$350,000
Federal, state, and local income tax expense	21,000
Interest expense	9,000
Interest income	18,000
Net sales	550,000
Other operating expenses	43,000
Selling, general, and administrative expenses	95,000
LORELEI'S, INC. Consolidated Statement of Income For the year ended September 30 (in millions)	
\ /	
Net sales	\$550,000
,	\$550,000 350,000
Net sales	
Net sales Less: Cost of sales Gross margin Less: Selling, general and administration expenses	350,000
Net sales Less: Cost of sales Gross margin Less: Selling, general and administration expenses Less: Other operating expenses	350,000 200,000
Net sales Less: Cost of sales Gross margin Less: Selling, general and administration expenses Less: Other operating expenses Operating income	350,000 200,000 95,000
Net sales Less: Cost of sales Gross margin Less: Selling, general and administration expenses Less: Other operating expenses Operating income Add: Interest income	350,000 200,000 95,000 43,000 62,000 18,000
Net sales Less: Cost of sales Gross margin Less: Selling, general and administration expenses Less: Other operating expenses Operating income Add: Interest income Less: Interest expense	350,000 200,000 95,000 43,000 62,000 18,000 9,000
Net sales Less: Cost of sales Gross margin Less: Selling, general and administration expenses Less: Other operating expenses Operating income Add: Interest income	350,000 200,000 95,000 43,000 62,000 18,000 9,000 71,000
Net sales Less: Cost of sales Gross margin Less: Selling, general and administration expenses Less: Other operating expenses Operating income Add: Interest income Less: Interest expense	350,000 200,000 95,000 43,000 62,000 18,000 9,000









### Exercise 5-2

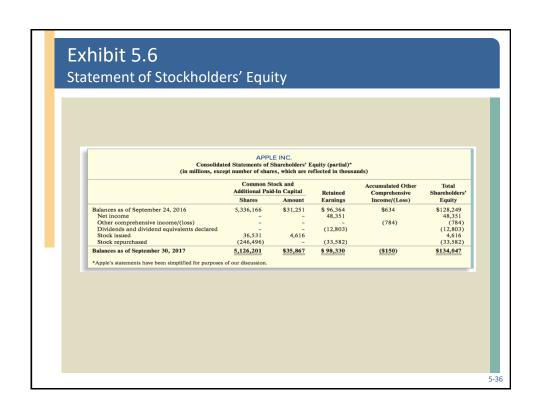
Supply the missing dollar amounts for the current year income statement of BMW Company for each of the following independent cases.

	Case A	Case B	Case C	Case D	Case E
Sales revenue	1,078	\$ ?	\$ ?	\$840	\$1,470
Pretax income	?	?	210	182	518
Income tax expense	91	294	84	63	?
Cost of goods sold	?	448	175	350	?
Gross margin	?	1,232	?	?	882
Selling expense	126	385	63	98	?
Net income	161	385	?	?	336
Administrative expense	280	168	112	?	245

	Case A	Case B	Case C	Case D	Case E
Sales revenue	\$1,078	\$1,680*	\$560*	\$840	\$1,470
Cost of goods sold	420*	448	<u>175</u>	350	588
Gross margin	658*	1,232	385*	490*	882
Operating expenses:					
Selling expense	126	385	63	98	119
Administrative expense	280	168	112	210*	245
Total expenses	406	553	175	308	364
Pretax income	252*	679*	210	182	518
Income tax expense	91	294	84	63	182
Net income	\$ 161	\$ 385	\$126*	\$119*	\$ 336

\*Amounts not given in the exercise.

5-35



18

### **Statement of Cash Flows**

# The Statement of Cash Flows is divided into *three* sections:

- Cash Flows from Operating Activities. This section reports cash flows associated with earning income.
- Cash Flows from Investing Activities. Cash flows in this section are associated with the purchase and sale of (1) productive assets (other than inventory) and (2) investments in other companies.
- Cash Flows from Financing Activities. These cash flows are related to financing the business through borrowing and repaying loans from financial institutions, stock (equity) issuances and repurchases, and dividend payments.

5-37

### Statement of Cash Flows - Indirect Method

Cash Flows from Operating Activities can be reported using either the direct or indirect method. The indirect method begins with a reconciliation of net income on an accrual basis to cash flows from operations.

Net income (loss)

+/- Adjustments for noncash items

Cash provided by operating activities

ash Flow Stateme	iii oi <del>App</del> ic			
	APPLE IN  Consolidated Statements o  (in million	f Cash Flows*		
APPLE		September 30, 2017	Years ended September 24, 2016	September 26, 2015
REAL WORLD EXCERPT: Annual Report	Cash and cash equivalents, beginning of the year	\$ 20,484	\$ 21,120	\$ 13,844
Cash flows associated with earning	Operating activities:  Net income  Adjustments to reconcile net income to cash	48,351	45,687	53,394
income computed by eliminating	generated by operating activities:  Depreciation and amortization	10.157	10,505	11,257
noncash items from net income	Other noncash items	10,640	9,634	5,353
	Changes in operating assets and liabilities:	(5,550)	(2)	11,262
	Cash generated by operating activities	63,598	65,824	81,266
	Investing activities: Purchases of marketable securities	(150 405)	(140.400)	(166,400)
	Proceeds from maturities of marketable securities	(159,486) 31,775	(142,428) 21,258	(166,402) 14,538
Cash flows associated with purchase	Proceeds from sales of marketable securities	94,564	90,536	107,447
and sale of productive assets and	Payments for business acquisitions, net	(329)	(297)	(343)
investments	Payments for acquisition of property, plant and equipment Payments for acquisition of intangible assets	(12,451)	(12,734) (814)	(11,247) (241)
	Other	(175)	(1,498)	(26)
	Cash used in investing activities	(46,446)	(45,977)	(56,274)
	Financing activities:			
	Proceeds from issuance of common stock	555	495	543
Cash flows associated with	Proceeds from issuance of term debt, net	28,662	24,954	27,114
borrowing and repaying loans,	Repayments of term debt Payments for dividends	(3,500) (12,769)	(2,500) (12,150)	(11,561)
issuing and repurchasing stock, and paying disidends	Repurchases of common stock	(32,900)	(29,722)	(35,253)
www.payong amaenas	Other financing activities	2,605	(1,560)	1,441
	Cash used in financing activities	(17,347)	(20,483)	(17,716)
Total change in cash	Increase/(decrease) in cash and cash equivalents	(195)	(636)	7,276
End of year cash on balance sheet	Cash and cash equivalents, end of the year	\$ 20,289	\$ 20,484	\$ 21,120
	Supplemental cash flow disclosure:			
	Cash paid for income taxes, net	\$ 11,591	\$ 10,444	\$ 13,252
	Cash paid for interest	\$ 2,092	\$ 1,316	\$ 514
	*Apple's statements have been simplified for purposes of our discussion			

### **Notes to Financial Statements**

All financial reports include additional information in notes that follow the statements.

- (1) Descriptions of the key accounting rules applied in the company's statements.
- (2) Additional detail supporting reported numbers.
- (3) Relevant financial information not disclosed on the statements.

# Accounting Rules Applied in the Company's Statements

One of the first notes is typically a summary of significant accounting policies. Apple's accounting policy for property, plant, and equipment is as follows:

# NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES **Property, Plant, and Equipment**

Property, plant, and equipment are stated at cost. Depreciation is computed by use of the straight-line method over the estimated useful lives of the assets, which for buildings is the lesser of 30 years or the remaining life of the underlying building; between two and five years for machinery and equipment, including product tooling and manufacturing process equipment; and the shorter of lease terms or ten years for leasehold improvements.

5-41

### **Additional Detail Supporting Reported Numbers**

The second category of notes provides supplemental information concerning the data shown on the financial statements.

NOTE 3 – CONSOLIDATED FINANCIAL STATEMENT DETAILS		
Property, Plant, and Equipment	2017	2016
Land and buildings	\$ 13,587	\$ 10,185
Machinery, equipment, and internal-use software	54,210	44,543
Leasehold improvements	<u>7,279</u>	<u>6,517</u>
Gross property, plant, and equipment	75,076	61,245
Accumulated depreciation and amortization	(41,293)	(34,235)
Net property, plant, and equipment	\$ 33,783	\$27,010

# Relevant Financial Information Not Disclosed on the Statements

The final category includes information that impacts the company financially but is not shown on the statements.

## NOTE 10 – COMMITMENTS AND CONTINGENCIES Unconditional Purchase Obligations

The Company has entered into certain off-balance sheet arrangements which require the future purchase of goods or services ("Unconditional Purchase Obligations"). The Company's Unconditional Purchase Obligations primarily consist of payments for supplier arrangements, internet and telecommunication services and intellectual property licenses. Future payment under noncancelable Unconditional Purchase Obligations having a remaining term in excess of one year as of September 30, 2017, are as follows (in millions):

2018	\$1,798
2019	2,675
2020	1,626
2021	1,296
2022	1,268
Thereafter	<u>14</u>
Total	\$8,677

5-43

### **Voluntary Disclosures**

GAAP and SEC regulations set only the minimum level of required financial disclosures. Many companies provide additional information.

	2017	2016	2015
Net sales by Product (in millions):			
iPhone	\$141,319	\$136,700	\$155,041
iPad	19,222	20,628	23,227
Mac	25,850	22,831	25,471
Services	29,980	24,348	19,909
Other Products	12,863	<u>11,132</u>	10,067
Total net sales	\$229,234	\$215,639	\$233,715

# Differences in Accounting Methods Acceptable under IFRS and U.S. GAAP

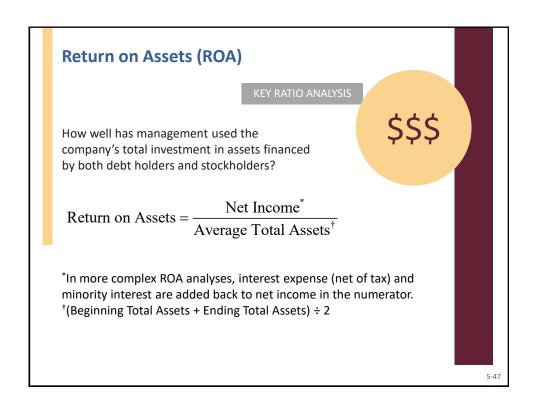
Many countries have adopted International Financial Reporting Standards (IFRS) issued by the International Accounting Standards Board (IASB). IFRS are similar to U.S. GAAP, but there are several important differences. The FASB and IASB are working together to eliminate some of these differences.

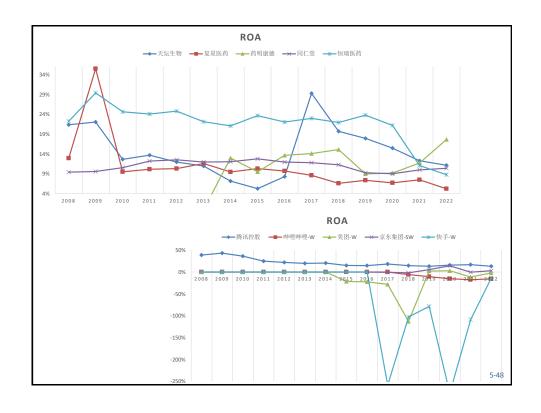
Difference	U.S. GAAP	IFRS	Chapter
Last-in first-out (LIFO) method for inventory	Permitted	Prohibited	7
Reversal of inventory write-downs	Prohibited	Required	7
Basis for property, plant, and equipment	Historical cost	Fair value or historical cost	8
Development costs	Expensed	Capitalized	8
Debt to be refinanced	Current	Noncurrent	9
Recognition of contingent liabilities	Probable	More likely than not	9
Stockholders' equity accounts	Common stock	Share capital	11
	Paid-in capital	Share premium	
Interest received on cash flow statement	Operating	Operating or investing	12
Interest paid on cash flow statement	Operating	Operating or financing	12

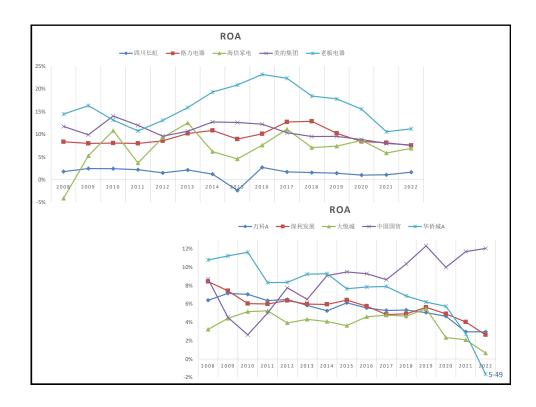
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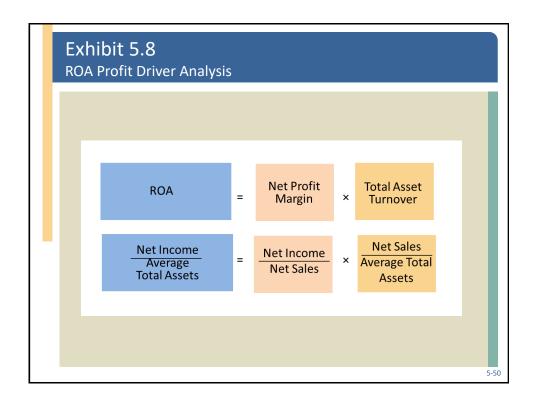
# Learning Objective 5-4

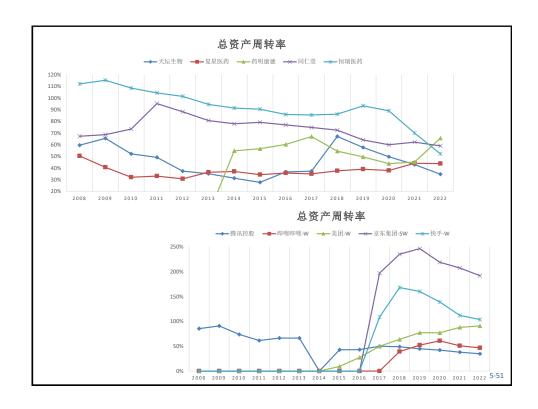
5-4 Analyze a company's performance based on return on assets and its components and the effects of transactions on financial ratios.

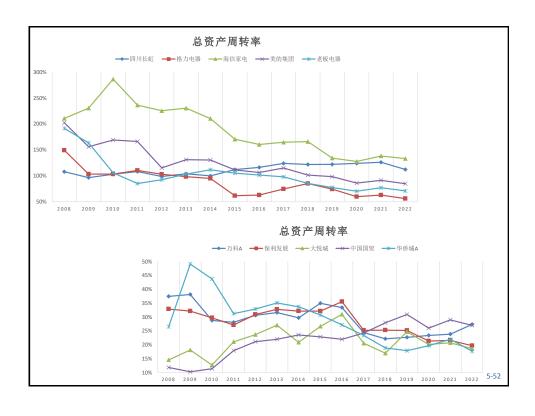












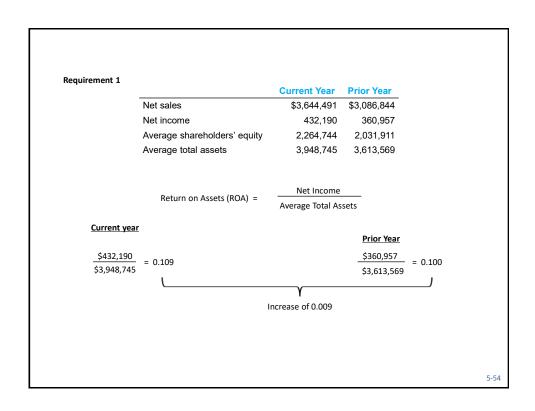
### Exercise 5-3

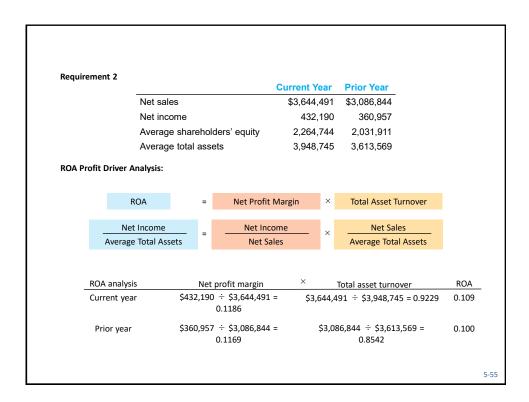
Tiffany & Co. is one of the world's premier jewelers and a designer of other fine gifts and housewares. Presented here are selected income statement and balance sheet amounts (dollars in thousands).

	<b>Current Year</b>	<b>Prior Year</b>
Net sales	\$3,644,491	\$3,086,844
Net income	432,190	360,957
Average shareholders' equity	2,264,744	2,031,911
Average total assets	3,948,745	3,613,569

### Required:

- 1. Compute ROA for the current and prior years and explain the meaning of the change.
- 2. Explain the major cause(s) of the change in ROA using ROA profit driver analysis.





### **How Transactions Affect Ratios**<sub>1</sub>

How to determine the effects of transactions on ratios:

### **Three-Step Process**

- 1. Journalize the transaction to determine its effects on various accounts.
- 2. Determine which accounts belong to the financial statement subtotals or totals in the numerator (top) and denominator (bottom) of the ratio and the direction of their effects.
- 3. Evaluate the combined effects from step 2 on the ratio.

### **How Transactions Affect Ratios**<sub>2</sub>

### What if only the numerator or denominator is affected?

Example 1: Apple incurred an additional \$1,000 in research and development expense paid for in cash. What would be the effect on the **net profit margin** ratio?

The journal entry would be:

	Debit	Credit
Research and development expense (+E, -SE)	1,000	
Cash (-A)		1,000

Note that the transaction would decrease the numerator Net Income and have no effect on the denominator Net Sales. The ratio was 0.211. It would decrease to 0.207 as follows.

	Net Income	÷	Net Sales	=	Net Profit Margin
As reported:	\$48,351	÷	\$229,234	=	0.211
Transaction effect:	-1,000		_		
After transaction:	\$47,351	÷	\$229,234	=	0.207

5-57

### **How Transactions Affect Ratios**<sub>3</sub>

What if both the numerator and denominator are affected, but by different amounts?

Example 2: Consider the same transaction as in Example 1. What would be the effect on the **return on assets** ratio?

Note that the transaction would decrease the numerator Net Income by \$1,000. It would also **decrease the ending** total assets by \$1,000 but have **no effect on beginning** total assets. So the denominator, **average** total assets, would only decrease by \$500:

Avg. Total Assets =  $(\$321,686 + \$375,319 - \$1,000) \div 2 = \$348,003$ 

The ratio was 0.139. It would decrease as follows:

	Net Income	Avg. ÷ Total Assets		=	Return on Assets	
As reported:	\$48,351	÷	\$348,503	=	0.139	
Transaction effect:	-1,000		<b>—500</b>			
After transaction:	\$47,351	÷	\$348,003	=	0.136	

### How Transactions Affect Ratios 4

What if the numerator or denominator are affected by the same amount?

Example 3: Apple paid \$4,000 of accounts payable in cash. What would be the effect on the **current ratio**?

The journal entry would be:

	Debit	Credit
Accounts payable (-L)	4,000	
Cash (-A)		4,000

Note that the transaction would decrease the numerator, Current Assets, and the denominator, Current Liabilities, by the same amount. The ratio was 1.28. It would increase to 1.29.

	Current Assets	÷	Current Liabilities	=	Current Ratio
As reported:	\$128,645	÷	\$100,814	=	1.28
Transaction effect:	-4,000		-4,000		
After transaction:	\$124,645	÷	\$ 96,814	=	1.29

5-59

# Review Chapter 1-4: Accounting cycle

### Fast&Easy Company Ltd.

Having lived nearly one year in Tsinghua Univ(TH), Mr. CHEN decided to open an internet grocery shopping service on campus. The company was opened on October 1, 2022 and was named Fast&Easy Co. Ltd. Customers living near TH can logon to <a href="https://www.Fast&Easy.com.cn">www.Fast&Easy.com.cn</a> or send emails to <a href="mailto:Fast&Easy@tsinghua.com">Fast&Easy@tsinghua.com</a> to place their orders. Fast&Easy would deliver goods to customers' doorsteps. The following is a list of transactions that occurred during the month of October 2022.

Write a journal entry (if necessary) for each transaction.

1. On October 1, 2022, CHEN invested \$1,000,000 cash into the company for 10,000 shares, which represented 100% of the company's ownership.

**Dr. Cash** 1,000,000

Cr. Paid-in Capital 1,000,000

2. On October 2, 2022, the firm borrowed \$800,000 from Construction Bank to run its business. The loan will be paid back after 18 months.

Dr. Cash 800,000

Cr. Loan Payable 800,000

3. During October, CHEN purchased two vehicles: a small car and a truck. The total cost of the vehicles is \$400,000. CHEN paid \$250,000 cash and signed a \$150,000 promissory note.

Dr. Equipment 400,000

Cr. Cash 250,000 Notes Payable 150,000

5-61

4 During October, the firm purchased \$2,000,000 of inventory on open account.

**Dr. Inventory** 2,000,000

Cr. Accounts Payable 2,000,000

5 On October 15, 2022, facing strong competition from Fast&Easy, another internet grocery shopping service firm owned by a famous local newspaper publisher decided to pull out of the TH area. As a result, Mr. CHEN expected his business volume would go up 25% and he was quite happy with this change.

No effect on Accounting Equation!!!

No Journal Entries!!!

6 The firm paid \$11,000 to the car dealer and \$1,000,000 to the vendor.

Dr. Notes Payable 11,000

Accounts Payable 1,000,000

Cr. Cash 1,011,000

### Fast&Easy Company Ltd.

7. On October 1, 2022, the company signed a one-year rental agreement for a big warehouse and two parking spaces in the university. On the same day, the firm paid \$300,000 cash in advance to cover the following six months' rents. The monthly rent is \$50,000.

300,000

Dr. Prepaid Rent 300,000 Cr. Cash

8. On October 15, 2022, the company issued 2,000 new shares to WANG for cash \$1,000,000 (also think about the percentage of Mr. CHEN's ownership of the company).

Dr. Cash 1,000,000 Cr. Paid-in Capital 1,000,000

9. On October 20, Mr. CHEN sold 2,000 shares (from his 10,000 shares) to LI for cash \$5,000,000.

No effect

### Fast&Easy Company Ltd.

10. During October 2022, the company provided services for cash \$700,000.

Dr. Cash 700,000

**Cr. Revenue** 700,000

11. During October 2022, the company provided services on credit totalling \$1,600,000.

Dr. Accounts Receivable 1,600,000

Cr. Revenue 1,600,000

12. Total cost of inventories used during the month was \$1,600,000.

Dr. Cost of Goods Sale (COGS) 1,600,000

**Cr. Inventory** 1,600,000

### Fast&Easy Company Ltd.

13. CHEN hired two assistants, HE and XIA to hand all the business for this company. HE and XIA hired 40 classmates to work for the company. Together, they were paid \$400,000 cash for their service in October.

**Dr. Salary Expense** 

400,000

Cr. Cash

400,000

14. \$1,000,000 was collected from credit customers.

Dr. Cash

1,000,000

Cr. Accounts Receivable

1,000,000

15. On October 31, 2022, the company paid \$12,000 cash to its shareholders (\$1 for each share). The company considered this a dividend payout for the shareholders' investment

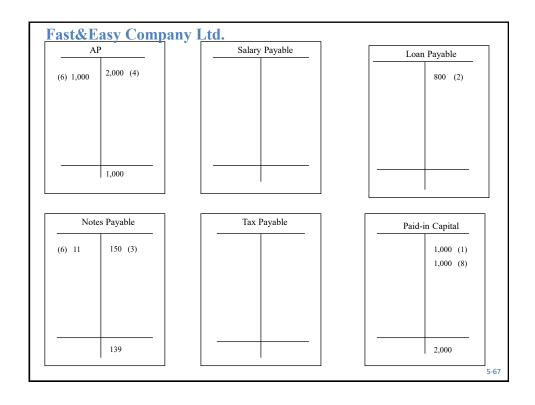
**Dr. Retained Earnings** 

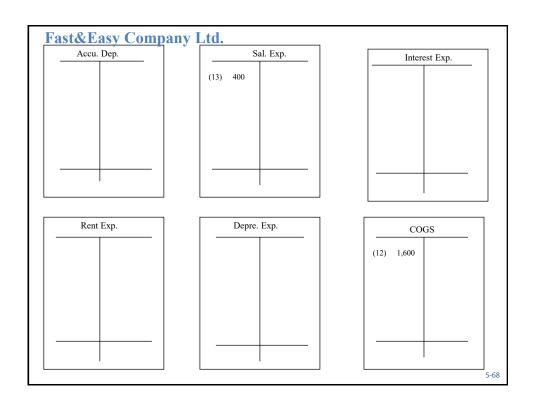
12,000

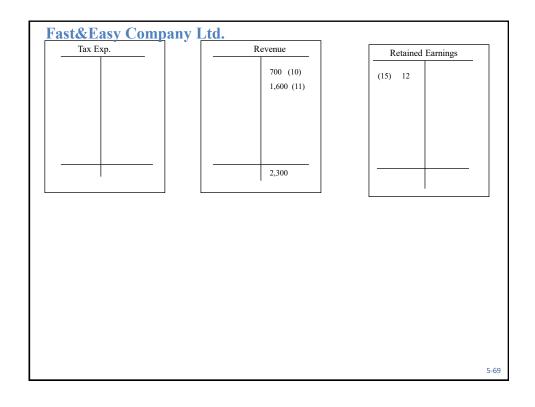
Cr. Cash

12,000

Fast&Easy Company Ltd. (in 000) Inventory 250 (3) (1) 1,000 (11) 1,600 (4) 2,000 1,000 (14) 1,600 (12) 1,011 (6) (2) 800 300 (7) (8) 1,000 400 (13) (10) 700 12 (15) (14) 1,000 600 2,527 400 Prepaid Rent Equipment (7) 300 (3) 400 5-66







October 3	1, 2022 (in 000)	
	Debits	Credits
Cash	\$2,527	
Accounts Receivable	600	
Inventory	400	
Prepaid Rent	300	
Equipment	400	
Accounts Payable		\$ 1,000
Loan Payable		800
Notes Payable		139
Paid-in Capital		2,000
Sales Revenue		2,300
Salary Expense	400	
Cost of Goods Sold	1,600	
Retained Earnings	<u>12</u>	
Total	<u>\$ 6,239</u>	\$ 6,239

### Fast&Easy Company Ltd.\_adjusting entries

16. The company still owed HE and XIA \$5,000 bonuses for service performed in October. CHEN promised to pay them on November 15, 2022, which he did.

Dr. Salaries Expense

5,000

Cr. Salaries Payable

5,000

17. Depreciation for the two automobiles and other equipment was \$3,000 per month.

**Dr. Depreciation Expense** 

3,000

Cr. Accumulated Depreciation

3,000

18. Rental expense was recognized for the month on October 31, 2022.

**Dr. Rent Expense** 

50,000

Cr. Prepaid Rent

50,000

- --

### Fast&Easy Company Ltd.\_adjusting entries

19. The loan borrowed from Construction Bank carries an annual interest rate 9% and the money borrowed from the car dealer is interest free.

**Dr. Interest Expense** 

6,000

Cr. Loan Payable

6,000

20.Fast&Easy's accountant determined that the company owed government income tax \$35,400 at the end of October 2022.

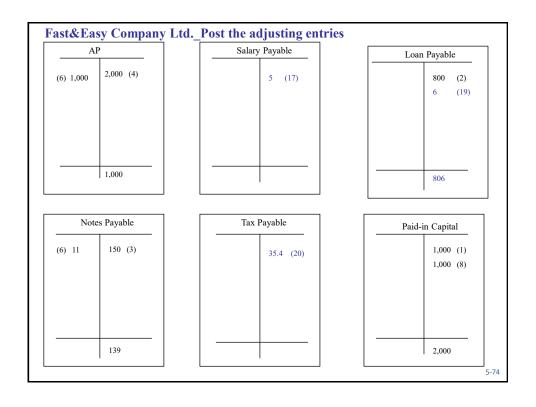
Dr. Tax Expense

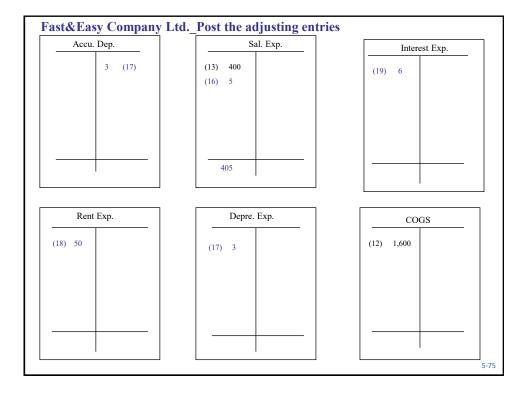
35,400

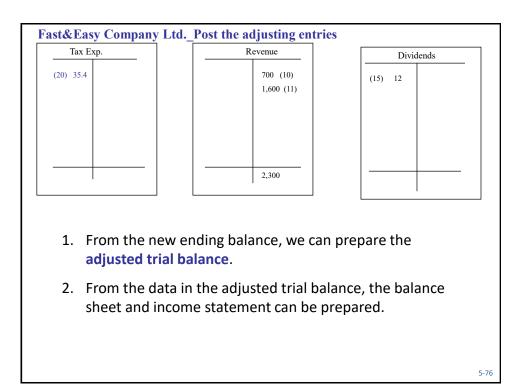
Cr. Tax Payable

35,400

	Cash		AR	Inve	ntory
1) 1,000 2) 800 8) 1,000 10) 700 14) 1,000	250 (3) 1,011 (6) 300 (7) 400 (13) 12 (15)	(11) 1,600	1,000 (14)	(4) 2,000	1,600 (12)
2,527		600		400	
Prep	aid Rent			Equip	ment
(7) 300	50 (18)			(3) 400	
250	1				



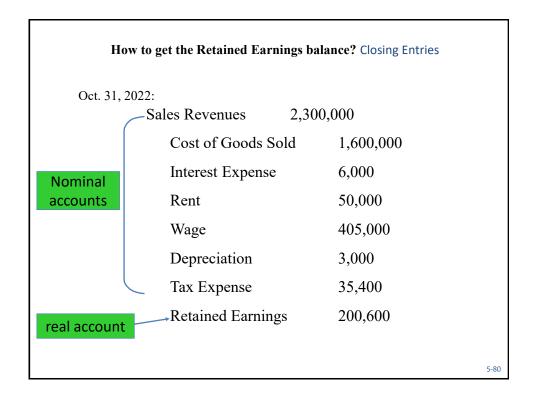




Fast&Easy (		
Adjusted Trial	Balance October 31, 2022	(in 000)
	Debits	Credits
Cash	\$2,527	
Accounts Receivable	600	
Inventory	400	
Prepaid Rent	250	
Equipment	400	
Accumulated Depreciation		3
Accounts Payable		\$ 1,000
Salary Payable		5
Loan Payable		806
Notes Payable		139
Tax Payable		35.4
Paid-in Capital		2,000
Sales Revenue		2,300
Salary Expense	405	
Interest Expense	6	
Rent Expense	50	
Depreciation Expense	3	
Tax Expense	35.4	
Cost of Goods Sold	1,600	
Retained Earnings	<u>12</u>	
Total	\$ 6,288.4	\$ 6,288.4

Fast&Easy Co. Limite	d	
Income Statement for October 2022		
Sales Revenues	2,300,000	
Cost of Goods Sold	1,600,000	
Gross margin	700,000	
Operating expenses:		
Rent	50,000	
Wage	405,000	
Depreciation	3,000	
Total operating expenses	<u>458,000</u>	
Operating Income	242,000	
Interest Expense	6,000	
Income before taxes	236,000	
Tax Expense	_35,400	
Net Income	200,600	
Earnings Per Share	\$17.72	

	Fast&Easy	Co. Ltd.		
	Balance	Sheet		
	October 3	31, 2022		
Assets: Current Assets: Cash AR Inventory Prepaid Rent Total Current Assets	2,527,000 600,000 400,000 250,000 3,777,000	Liabilities and Owners' Ed Current Liabilities: AP Salary Payable Note Payable Tax Payable Total Current Liabilities Noncurrent Liabilities:	1,000,000 5,000 139,000 35,400 1,179,400	
Noncorrent Assets: Equipment Less Accu. Dep Total Noncurrent Assets Total Assets	400,000 3,000 <u>397,000</u> <u>4,174,000</u>	Loan Payable Total Liabilities Owners' Equity: Paid In Capital Retained Earnings Total OE and Liabilities	806,000 1,985,400 2,000,000 <u>188,600</u> <u>4,174,000</u>	



### HW5

P270 E5-5

P271 E5-8

P274 E5-17

5-81

### **PROJECT**

DD Restaurant 可以跟小组同学讨论,但是独立提交