UNDERSTANDING CORPORATE ANNUAL REPORTS

A Financial Analysis Project

Seventh Edition

William R. Pasewark
Texas Tech University



UNDERSTANDING CORPORATE ANNUAL REPORTS, 7^{TH} EDITION William R. Pasewark

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Senior sponsoring editor: Alice Harra

Senior developmental editor: Kimberly D. Hooker

Project manager: Kathryn D. Mikulic

Lead production supervisor: Michael R. McCormick

Design coordinator: *Joanne Mennemeier* Senior marketing manager: *Sankha Basu*

Media project manager: Srikanth Potluri, Hurix Systems Pvt. Ltd.

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CONTENTS

Purpose of this Project	1
Getting Started	1
Instructions	2
Getting Acquainted with the Annual Report	
General Information	
The Primary Financial Statements	
Income Statement	
Balance Sheet	
Cash Flow Statement Statement of Changes in Stockholders' Equity	
Notes and Supporting Schedules to the Financial Statements	16
Report of the Independent Accountants	30
Ratio Analysis	32
Analysis of Profitability	32
Analysis of Liquidity	
Analysis of Solvency	39
Industry or Competitor Comparisons	41
Making Decisions Based on the Annual Report	44
Appendix A – Obtaining Annual Financial Data	47
Appendix B – Obtaining Data for Industry Comparisons	48
Appendix C – Financial Analysis Using Excel	49

PURPOSE OF THIS PROJECT

Communicating information to others is a fundamental human characteristic. Coaches use game statistics to plan strategies for future games. Teachers place grades on examinations so students may use the information to improve performance on future examinations. College graduates prepare résumés to describe their credentials to prospective employers.

You might say an annual report is a "résumé" prepared for a corporation. Much of the information in corporate annual reports is dictated by generally accepted accounting principles (GAAP) and by the Securities and Exchange Commission (SEC), an agency of the federal government that regulates the trading of publicly-traded securities. For example, GAAP requires annual reports to disclose four financial statements: an income statement, a balance sheet, a statement of cash flows, and a statement of retained earnings, as well as a multitude of supplemental disclosures.

Annual reports communicate information between corporations and financial statement users. The primary purpose of an annual report is to convince existing stockholders to continue investing in the corporation. However, management may also use the annual report to:

- Persuade prospective stockholders to invest in the corporation.
- Inform security analysts about the investment qualities of the corporation.
- Inform lenders, such as bankers and suppliers, of the credit-worthiness of the corporation.
- Provide evidence to government agencies of compliance with regulations.

As a business student, you will probably use financial statements frequently in your profession. For example, as a manager or corporate strategist you may use financial statements to evaluate the performance of your own corporation, or your corporation's competitors. As a bank loan officer you may examine financial statements to decide whether to extend credit. Finally, as an individual investor you may use financial statements to select your personal investments.

The purpose of this project is to help you understand and analyze an annual report. When you complete the project, you will be very familiar with the corporation you analyzed. Later, you may use the analytical abilities gained in this project to analyze the financial statements of other corporations.

GETTING STARTED

Questions in this project are completed using the most recent annual financial data of a corporation. This data can be obtained in the following ways:

- Request a hard copy of the annual report from the corporation.
- Download the annual report from the corporate web site.
- Download the Form 10-K from the Security and Exchange Commission's EDGAR database (www.sec.gov).

Your instructor will indicate the format appropriate for your class. If your instructor allows you to choose your own corporation, choose one that interests you. For example, if you enjoy the latest fashion, you may want to select a corporation that manufactures or sells apparel. You may want to select the corporation that produces a soft drink you enjoy. Or, you may want to select a corporation located in your community or state. More specific information on how to obtain annual financial data is in Appendix A.

You may also want to consider obtaining the annual reports of corporations that compete with the corporation you select.

When you receive the annual report, familiarize yourself with the contents by reviewing it carefully. Annual reports usually have a contents page to help you locate specific items. After completing your review, read the instructions and begin the project.

Completion time ranges from eight to twenty hours. The average completion time is approximately ten hours.

INSTRUCTIONS

In this project, you should answer questions about the operating results and financial position of a corporation. Answers to all questions should be obtained directly from the corporation's annual report.

Locating Information in the Annual Report

Some reports do not contain information requested in the project. In other words, some annual reports will not "fit the mold." If this is the case, seek the help of your instructor to determine if you understand the annual report correctly. When the structure of the financial statements make it impossible to answer certain questions, simply indicate why you are unable to answer the question in the project.

The annual financial data for publicly-traded corporations appear in the EDGAR database on the SEC website. Most corporations also disclose their annual financial data on their corporate web site. Once in these sites, you may use the Find command in your internet browser to locate the information you need. Internet search terms are provided where a mouse icon appears (1).

Chronological Terms

In this project, the term "current" refers to the year for which the annual report was prepared. For corporations with December 31 year-ends, annual reports are usually issued in February or March of the following year.

Using Excel Spreadsheets for Financial Analysis

This project includes an Excel spreadsheet available on the internet at www.mhhe.com/pasewark7e. The spreadsheet may be used to confirm many of the calculations you make in the project. Instructions on how to use the spreadsheet are in Appendix C. Portions of the project that may be enhanced by using the Excel spreadsheet are indicated by the spreadsheet icon (
).

Additional Help

The topics in this project are governed by accounting pronouncements issued by two authoritative boards. If a pronouncement issued by the Financial Accounting Standards Board (FASB) of the United States is applicable, the pronouncement is indicated by a book icon () and the pronouncement may be accessed on the

lcon	Indicates
♣	Searchable terms related to the topic
	An Excel spreadsheet is available to assist in analysis
	Reference related to US accounting standards
•	Reference related to international accounting standards

internet at www.fasb.org/st. Pronouncements issued by the International Accounting Standards Board (IASB) are indicated by a globe icon (\$) and summaries of the pronouncement may be accessed at www.iasb.org/IFRS+Summaries.

If you need to review terms or accounting principles discussed in the annual report. Refer to the textbook used in your class for details.

GETTING ACQUAINTED WITH THE ANNUAL REPORT

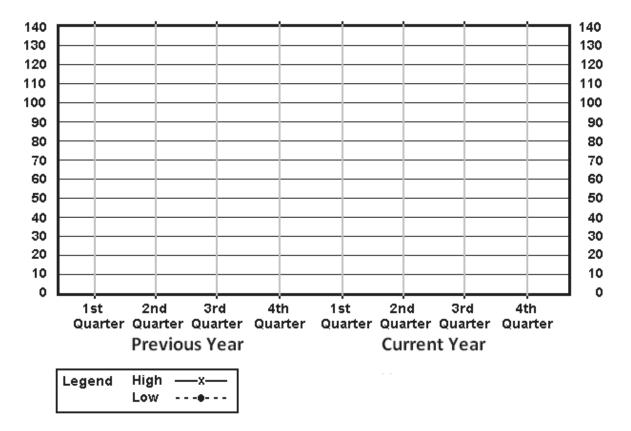
GENERAL INFORMATION

General information may be in several places of annual reports. This information generally appears at the beginning of the report, the end of the annual report, or on or near the inside back cover.

Answer the following questions about the annual report you have selected:

1.	What is the name of the corporation you will analyze?	
2.	The corporate headquarters is located in what city?	
3.		
4.	20	

- 5. The corporation must show high and low selling prices of the corporation's common stock each quarter for the last two years. Chart the common stock prices over the last two years (⋈ Seasonality worksheet):
 - a. In the chart, mark the high price of each quarter with an X. Then, mark the low price of each quarter with a \bullet .
 - b. Connect the high prices with a line to indicate the trend. Then connect the low prices with a dotted line.



6. Describe the trend in the price of the common stock over the last two years (for example, was it upward, downward, volatile, or constant).

7. Did the stock trade within a narrow or wide price range? (For a two year period, a range in excess of 15% of the lowest price would likely be considered wide.)

INTERNET INFORMATION

The Corporate Website

1.	What is the internet address of the corporation?	
	Internet Address	
2.	Corporations often provide financial information in webs relations" or investor information." Indicate which items to investors:	
	 Operating highlights Information relating to corporate governance Stock price information Press releases 	Annual reportsSEC filingsProxy statementsInvestor relations contacts
3.	What are other purposes of this website?	
	Describe the corporation Advertise corporate products or services Facilitate the sale of company products or services Provide product financing information Identify the location of retail sales sites	 Provide customer service information Publicize corporate citizenship Publicize recent corporate events Promote the industry the corporation is in Provide employment information
Th	ne Securities and Exchange Commission's EDGAR Da	atabase
ma	e primary purpose of the Securities and Exchange Comraintain the integrity of the securities markets. The commiblicly-held securities.	
rep eve a d	the SEC requires filing of several forms including annual file ports (10-Q), registration statements for newly-offered selents or changes (8-K), and others. These forms are publicated as called the Electronic Data Gathering, Analysis, w to use EDGAR is at www.sec.gov/edgar/quickedgar.ht	curities (S-1, S-3), current reports of material licly available on the internet (www.sec.gov) in and Retrieval system (EDGAR). A tutorial on
do:	orm 10-K is particularly useful in analyzing a corporation bes not appear in the annual report to stockholders. For escription of the business (Item 1) and its properties (Item and 11), and description of management controls (Item 14)	example Form 10-K contains a detailed 2), a description of executive compensation
Fin	nd the latest Form 10-K of your corporation and answer th	ne following questions:
1.	What is the date of the latest Form 10-K?	
2.	What is the primary Standard Industrial Classification (S	IC)? (ூ standard, industrial)
3.	The Central Index Key (CIK) is a unique number assigned	ed to corporations that file with the SEC.
Wł	hat is the corporation's CIK? ('fl central index)	

THE PRIMARY FINANCIAL STATEMENTS

INCOME STATEMENT

The income statement (sometimes called the "statement of earnings" or "statement of operations") is usually the first major financial statement appearing in the report. The income statement summarizes corporate revenues and expenses for a period of time. Corporations provide three years of income statements for comparative purposes (if the corporation has been in operation for three years).

Growth in Revenues and Profits

1. Revenue growth is determined by the percentage increase (decrease) of revenues in comparison with the previous year:

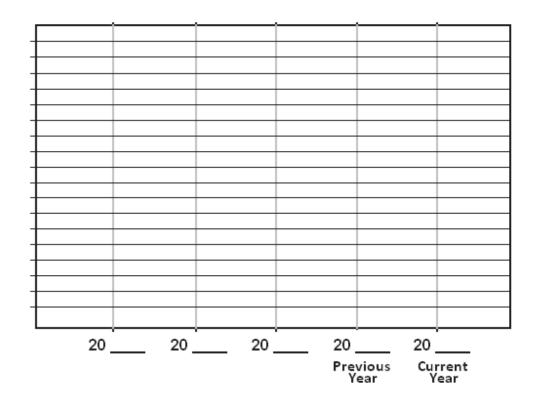
Percentage of Revenue Growth = Current Year Revenue - Previous Year Revenue Previous Year Revenue

Indicate the growth in revenue during the current year (Market Ratio Analysis worksheet):

- = %

2. Corporations are required to show summarized historical data. Label the vertical axis of the following chart with a scale that will accommodate revenue over the last five years. Then chart the level of revenue for the last five years (

Trend Analysis worksheet).



Thousands Millions Billions (Circle One)

Revenue

3.		ned in the r	nanagement				of the change in reven at reasons did	iue
4.		ontinuing o	perations over	er the previou	ıs year. Incon	ne from co	increase (decrease) ir ntinuing operations is tems.	
Perc	entage Growth in Profits	= Cur	rent Year Incom		ng Operations - Pr Year Income from		Income from Continuing Operations	<u>erations</u>
	Determine	the percer	ntage growth	in profits dur	ing the curren	t year (⊞ F	Ratio Analysis workshe	eet):
				-		_ =	%	

Common-Size Analysis

Common-size (or percentage) analysis expresses items in a financial statement as a percentage of a single item. This analysis permits comparisons between two or more years, or between two or more corporations. In an income statement, items are usually expressed as a percentage of revenue. Perform common-size analysis in relation to revenue for the following items in the income statement for the current and previous years (
Ratio Analysis worksheet):

	Current Year	Previous Year
Revenue	100.0%	100.0%
Cost of Goods / Services		
Gross Profit		
Operating Expense		
Interest Expense		
Research and Development Expense		
Income Tax Expense		
Income from Continuing Operations		
Net Income		
Based on your common-size analysis, compadebt servicing, tax burdens, and profitability. I found in the management discussion and ana 1. Product or Service Cost Control - Did the revenue change in the current year in comexplanations for changes, if any, that may	Information concerning lysis. The percent of product con parison to the previous	the reasons for change may be sts (cost of goods or services) to

2.	Operating Cost Control - Did the percentage of operating costs (selling and administrative expenses) to revenue change in the current year in comparison to the previous year? What are possible explanations for changes, if any, that may have occurred?
3.	Debt Servicing - How did the percentage of interest expense to revenue compare to the previous year? What are possible explanations for changes, if any?
4.	Tax Burden - Did the tax expense as a percentage of total revenue change in the current year? What are possible explanations for these changes, if any? (Without knowledge of the tax laws applying to the corporation, it may be impossible to determine specific reasons for the change.)
5.	Profitability - How did net income as a percentage of revenue change in the current year? What items in the income statement explain the change in income from continuing operations as a percentage of revenue?
6.	Other Income Statement Items – Generally accepted accounting principles in the U.S. require amounts related to discontinued operations and extraordinary items be shown, net of taxes, at the bottom of the income statement. If any of these items are present, describe the nature and amount.

BALANCE SHEET

The balance sheet summarizes assets and equities (liabilities and stockholders' equity) of a corporation. Assets are usually grouped in one of five categories: current assets, investments, fixed assets (sometimes referred to as property, plant, and equipment), intangible assets, and other assets. Liabilities are typically grouped into current liabilities and long-term liabilities.

Asset Growth

The "size" of a corporation is commonly measured by the amount of total assets on the corporation's balance sheet. A corporation is considered "growing" if total assets increase from one year to the next. The rate of growth is measured by the change in total assets divided by the total assets of the previous year:

	of Assets = Current Year Total Assets - Previous Year Total Assets Previous Year Total Assets Previous Year Total Assets
1.	Determine the percentage of growth in assets (☑ Ratio Analysis worksheet):
	= %
2.	Did total assets increase or decrease? What were the primary reasons for the change in total assets?

Common-Size Analysis

In the balance sheet, common-size analysis is performed by expressing accounts as a percentage of total assets. These percentages are often compared to the percentage of previous years or to the percentages calculated for another corporation in the same industry. Complete the common-size analysis for the following items in the balance sheet (
Ratio Analysis worksheet):

	Current Year	Previous Year
Current Assets		
Long-term Investments		
Fixed Assets		
Intangibles		
Other Assets		
Total Assets	100%	100%
Current Liabilities		
Total Liabilities		
Stockholders' Equity		
 Which balance sheet accounts changed the explain the reasons for the changes in the 		previous year? What events

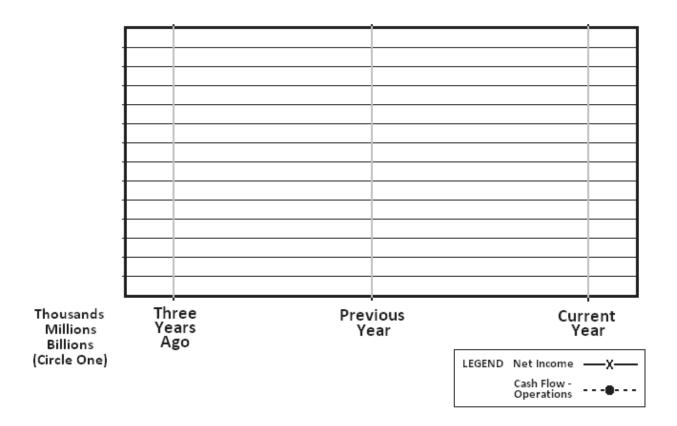
CASH FLOW STATEMENT

The purpose of the cash flow statement is to provide information about cash receipts, cash disbursements, and cash balances. The statement also summarizes operating, investing, and financing activities of the corporation.

1. Indicate the cash flows resulting from operating, investing, and financing activities. Be sure to identify whether the cash flow is positive or negative. Then indicate the change in cash, and the beginning and ending cash balances:

Cash Flow Activity	Current Year	<u>Previous Year</u>
Operating		
Investing		
Financing		
Increase (decrease) in cash		
Beginning cash balance		
Ending cash balance		
2. What were the three most sign	ificant sources of cash?	
3. What were the three most sign	ificant uses of cash?	

- 4. Chart the net income and cash flow from operations over the last three years (Mark Trend Analysis worksheet):
 - a. Label the vertical axis of the following chart with a scale that will accommodate net income and cash flow from operations over the last three years.
 - b. Mark the level of net income for each year with an **X**. Then, mark the cash flow from operations for each year with a ●.
 - c. Connect the net income amounts with a line to indicate the trend. Then connect the amounts of cash flow from operations with a dotted line.



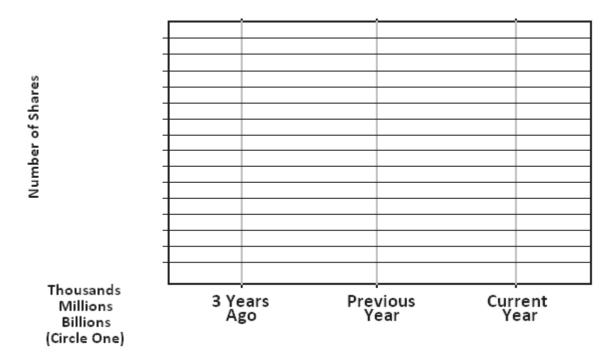
5.	greatest differences between net income (loss) and cash flow from operations?

STATEMENT OF CHANGES IN STOCKHOLDERS' EQUITY

The statement of changes in stockholders' equity explains the changes in individual equity accounts during the year. Most annual reports show the statement of changes in stockholders' equity as a formal financial statement; however, some corporations show the statement of stockholders' equity in the notes of the financial statements. If the retained earnings are the only capital account that changed during the fiscal year, a statement of changes in retained earnings is usually presented instead.

Shares Outstanding

Label the vertical axis of the following chart with a scale that will accommodate number of shares over the last three years. Then chart the number of common shares outstanding over the last three years.



Did the number of common shares increase, decrease, or remain constant? any, for the changes?	What were the reasons, if

Retained Earnings

Record the amounts in the statement of changes in stockholders' equity for the following items:

	Current Year	Previous Year
Beginning Retained Earnings	\$ 	\$
Dividends (if any)	 	
Net Income (Net Loss)	 	
Other Items	 · · · · · · · · · · · · · · · · · · ·	
Ending Retained Earnings	\$ 	\$

NOTES AND SUPPORTING SCHEDULES TO THE FINANCIAL STATEMENTS

The notes and supporting schedules to the financial statements are located after the financial statements in the annual report. Notes, sometimes called "footnotes," provide additional explanations, descriptions, and supporting information not conveniently displayed within the body of the financial statements.

Inexperienced financial statement users sometimes regard the notes as unimportant. However, most of the information contained in the notes are required by GAAP and can make a difference in a decision the financial statement users make concerning the corporation. For example, a contingent liability considered "reasonably possible" may be shown in the notes rather than the liability section of the balance sheet. A financial statement user who ignores the notes would not be aware of contingencies that may affect the corporation in the future.

The first note in an annual report usually summarizes the significant accounting policies used by the corporation when preparing the financial statements. This note is generally followed by notes addressing more specific topics.

Some of the following topics may not apply to the corporation you selected. For example, if the corporation does not have a pension plan, there is no need for a pension note. If a note is not applicable, write "NA" in the blank.

Cash and Cash Equivalents Corporation balance sheet (FAS 95, IAS 7). Cas savings accounts. How does the corporati liquid*)	sh equivalents	usually include	short-maturity dep	osits and l	
Accounts Receivable Corporations with allowance for amounts deemed uncollectibe the allowance for uncollectibles by the grost receivables before the allowance for uncol	ole. The percess accounts relectibles is rer	entage of uncolle eceivable. Gross noved. (ﷺ Rece nce for Uncollect	ctibles is calculate accounts receive in accounts receive in accounts receive in accounts receive in account i	ed by divid able are ne	
Uncollectible Determine the percentage of uncollectibles		Accounts Recei		alysis	
worksheet): Current Year		,	Previous Year		
<u> </u>	%			=	%

The receivables turnover ratio is an indication of the number of times a year the corporation collects its
accounts receivables. The ratio is determined by dividing credit sales by the average accounts
receivable. Average accounts receivable is usually determined by dividing beginning and ending
accounts receivable by two.

Receivable	=	Credit Sales	-	
Turnover		Average Receivables		
Compute the receivables turnover ratio for are not available, assume that all sales are year may be unavailable in the current an annual report (for example, Form 10-K or	re on crec	lit. Beginning accounts ort. The amount is easily	receivable for the pre y obtained from a pre	evious vious year
Current Year			Previous Year	
=	times		 =	times
How did the receivable turnover ratio cha implications of this change? (% accounts				are the
Inventories Material classifications of incorresponding note (ARB 43, Chapter than one category? If so, what are those	r 4, Parag	raph 15; 💲 IAS 2). Is th		
				

The inventory flow method [for example, first-in, first-out (FIFO); average; or last-in, first-out (LIFO)] selected by a corporation can significantly affect the amount allocated to inventory on the balance sheet and cost of goods sold on the income statement.

A corporation is required to disclose flow method(s) used to value its inventory (ARB 43, Chapter 3A, Paragraph 9). In some cases, the corporation will value foreign and domestic inventory groups in different ways. What method(s) is (are) used to account for inventories? (inventory, last-in, first-in, first-out)

Inventory Group	Inventory Flo	w Method	
Domestic Inventories			
Foreign Inventories			
If the corporation uses a LIFO flo between the LIFO inventory amo internal reporting. If the corpora current year:	ount and the current valu	e or FIFO inventory am	ount typically used for
Inventory using LIFO (as shown	on the balance sheet)	\$	
LIFO Reserve		\$	
Inventory at Current Cost / FIFO	/ Replacement Cost	\$	
The inventory turnover ratio indiduring a year. It is determined by dividing the sum	y dividing cost of sales b	by the average inventor	
	nventory = urnover =	Cost of Sales Average Inventory	
Compute the inventory turnover inventory for the previous year is previous year annual report (for worksheet, Inventory worksheet	s not available in the curr example, Form 10-K on	ent annual report it mag	y be obtained from a
<u>Current Year</u>		Previ	ous Year
<u>=</u>	times		= time
How did the inventory turnover r implications of this change?	atio change from the pre	vious year to the currer	nt year? What are the

Property and Depreciation If material, separate categories of property, plant, and equipment should be disclosed. Identify the categories of property, plant, and equipment. Corporations must also disclose the depreciation method(s) used to value property, plant, and equipment (APB 12, IAS 16). In some cases, the corporations will use more than one depreciation method. What methods(s) is (are) used to depreciate property, plant, and equipment? (buildings, machinery, equipment, land depreciation, straight-line, accelerated)

Fixed Asset Group	Depreciation Method
Impairment of fixed assets occurs when the market carrying amount and that amount is not considered long-lived assets must be charged against income (recognized as impaired during the current year? If some amount charged against income to recognize the	recoverable. Losses resulting from impairment of FAS 121 and 144, \$ IAS 36). Were any assets so, what was the nature of the impaired assets and
An approximation of the remaining usefulness of procomputing the percentage that assets are depreciat depreciation by the gross depreciable fixed assets. construction in progress. (Fixed Assets workshe	ed. The ratio is calculated by dividing accumulated Depreciable fixed assets do not include land or
Percentage of Fixed = Asset Depreciation	Accumulated Depreciation Gross Depreciable Fixed Assets
Calculate the percentage of fixed asset depreciation	for the corporation in the current and previous year.
Current Year	<u>Previous Year</u>
= %	= %

How did the percentage of fixed asset depreciati might be the reasons for this change? What are	on change from previous year to the current year? What the implications of this change for the future?
ratio is particularly useful in a capital intensive co	ciently fixed assets are used to generate revenue. The orporation in which plant and equipment are used to iding revenue by the fixed assets held during the year.
Fixed Asset = Turnover Ratio	Revenue Average Net Fixed Assets
fixed assets for the previous year is not available	prporation in the current and previous year. If beginning in the current annual report, it may be obtained by from in 10-K on EDGAR at www.sec.gov) (Ratio Analysis
Current Year	<u>Previous Year</u>
= times	s — times

Capitalized Leases Some corporations lease, rather than purchase, fixed assets. Capitalized leases (referred to as "finance leases in international standards) transfer the benefits and risks of ownership to the lessee. An asset and a liability approximately equal to the present value of the rental payments is recorded. The asset associated with a capital lease is periodically amortized in the same way that owned assets are depreciated. In addition, the lessee will make rental payment that consists of interest and principal. (FAS 13, AS 17) If the corporation uses capital leases (lease, capital(ized)) lease, lease obligation imputed interest) (Leases worksheet):

lease obligation, imputed interest) (M. Leases worksneet):
What is the total amount of payments due over the life of the capitalized leases?
\$
Of the total payments due for capitalized leases, what amount is considered to be imputed interest?
\$
What is the long-term liability associated with leases recognized on the balance sheet?
\$
Assuming the corporation does not enter into additional lease agreements, what will be the amount of the payment associated with capital leases next year?
\$
Operating Leases Operating leases are legal obligations that require the corporation to make periodic payments for several years. These leases do not require recording of a long-term asset or liability. However, GAAP requires disclosure of the expected payments over the life of the lease. (⋄⊕ lease, operating lease, rent) (⊞ Leases worksheet)
What was the total obligation associated with operating leases?
\$
What was the rent expense associated with the operating leases in the current year?
\$
Assuming the corporation does not enter into additional lease agreements, what will be the payment for operating leases next year?

Long-term Debt Long-term debt is usually organized by type of lender, for example, loans from banks
and bond issues are usually grouped separately. Corporations disclose interest rates, due dates,
collateral, and loan covenants of long-term debt. What long-term debt obligations does the corporation
have? If the corporation has more than five debt instruments, list the five largest. (4 debt, credit facility
loan, maturity)

<u>Instrument</u>	<u>Rate</u>		Amount
	%	\$	
	%	\$	
	%	\$	
	%	\$	
		\$	
Debt payments for each of the next five years mumost long-term debt due? Year Amount to be paid			
Pension Plans A pension plan is usually the mothese plans are classified as:	ost significant of a	ll po	st-retirement benefits. In general,
 Defined Contribution Plans (for example to employees to be placed into designated amount available to the employee at retirer Defined Benefit Plans – The employer prosalaries and years of service) to retired em 	retirement accoument. omises a specified	nt. I	No promise is made concerning the
Both defined benefit and defined contribution pla either of these types of plans, what was the pens current year? (*†) pension, benefits, retirement, of	sion expense (ben	efit)	associated with the plan(s) for the
Defined Contribution Pension Expense	\$		
Defined Benefit Pension Expense (Benefit)	\$		

Corporations with defined benefit plans are required to disclose an estimate of the cumulative obligation owed by the pension plan (FAS 87, 132R, 158; IAS 19, 26). The benefit obligation is the present value of the benefits owed to current employees based on their expected future salaries. How much is the benefit obligation at the end of the current year?
\$
Corporations with defined benefit plans must also disclose the market value of the assets currently held in the pension fund. What was the fair value of the retirement plan assets at the end of the current year?
\$
Based on a comparison of the obligation and the assets of the plan(s), would you say the plan(s) is (are) adequately funded? Why or why not? (Mathematical Retirement worksheet)
What was the amount recognized on the balance sheet related to the pension? (*f) funded status)
\$ Circle One: \$ Liability
What was the cash amount contributed to the defined benefit pension plan during the current year?
\$
What was the amount of defined benefit pension benefits paid to retirees during the current year?
\$
What types of investments are in the defined benefit pension fund?

Post-Retirement Benefits Other Than Pensions Post-retirement benefits programs provide cash and services to former employees. In addition to pension plans, these programs may include health care, dental care, life insurance, and savings plans. The accounting for post-retirement benefits is similar to pension plans (☐ FAS 106, ⑤ IAS 19). (♣ benefits, post-retirement, non-pension)

What was	the expense (benefit) associated with non-pension post-retirement benefits?
\$	
What was	the benefit obligation for the non-pension post-retirement benefit plan(s)?
\$	
What was	the fair market value of the assets held for non-pension post-retirement benefit plans?
\$	
	a comparison of the obligation and the assets of the post-retirement benefit plan(s), would you an(s) are adequately funded? Why or why not? (Retirement worksheet)
	the amount recognized on the balance sheet related to the non-pension post-retirement (% funded status)
\$	Circle One: Asset Liability
What was year?	the cash amount contributed to non-pension post-retirement benefit plans during the current
\$	
What was	the amount of non-pension post-retirement benefits paid to retirees during the current year?
\$	

Income Taxes Income tax expense is often one of the largest expense categories on the income statement. Income tax expense is determined by applying a tax rate to the portion of income taxed. However, governments may allow payment of certain taxes to be deferred to later years. Deferred taxes result from differences between the way net income and taxable income are determined. GAAP requires corporations to disclose (either in a note or on the financial statement) the current tax expense and the amount of taxes deferred to a later year (FAS 109). (income tax, tax(es), deferred tax, (s) IAS 12) What was the income tax expense (or provision) for the current year appearing in the income statement? What portion of the current year's income tax expense (federal, state, and international) has been deferred to future periods? The effective tax rate is determined by dividing taxable income into the tax expense. What was the effective tax rate for corporation for the current year? (4) effective tax rate, statutory) Deferred tax assets and liabilities result from differences between corporate accounting and the determination of taxable income. What amount is disclosed in the notes as: Gross deferred tax asset Gross deferred tax liability Circle One: Net deferred tax amount Asset Liability What significant activities resulted in recognition of deferred tax liabilities that are not yet due to a tax authority? What significant activities led to the recognition of deferred tax assets that will be utilized in the future?

Stock-Based Compensation Stock-based or share-based compensation plans are implemented as an incentive to perform in a manner that increases the value of the corporation (and, thus, increase the market price of the stock). GAAP requires a disclosure of these plans and their financial effects (☐ FAS 123R, ⑤ IFRS 2). (♣ incentive, options, stock-based compensation, share-based compensation) (☐ Compensation worksheet) Forms of stock-based compensation may include:

- Stock Options opportunity to purchase shares of stock at a guaranteed price for a specified period of time.
- Restricted Stock stock of a corporation that is not transferable to the employee until conditions (usually the passage of time) have been met.
- Stock Appreciation Rights cash payment (or sometimes share delivery) based on the increase in the value of a stated number of shares over a specified period of time.
- Stock Savings Plan employees are given shares of stock to place in a savings plan, usually a
 deferred tax retirement plan
- Stock Purchase Plan employees are permitted to purchase corporation stock, usually at a discount not available to non-employees

Options are considered *outstanding* if they are granted by the corporation, but not yet exercised,

cancelled, or expired. If the corporation has a soutstanding options and what is the average ex	stock option plan, how many shares may be purchased by ercise price?
Options to purchase sha	res were outstanding at the end of the current year
at an average exercise price of \$	per share.
	an appropriate period and are now eligible for purchasing n, how many shares may be purchased by options that are e of these options?
Options to purchase sha	res were exercisable at the end of the current year
at an average exercise price of \$	per share.
During the current year:	
shares were purchased by	exercising options.
shares were no longer avai canceled.	lable for exercise because the options expired or
What is the expense associated with the issuan	ce of the options for the current year?

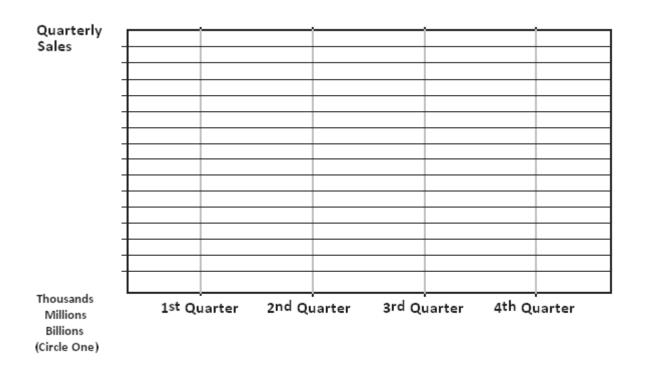
If the corporation has a restricted stock plan, how mourrent year and what was the average fair value of	
restricted shares were outst	anding during the current year
at an average fair value of \$per sh	are.
During the current year:	
restricted shares were issued.	
restricted shares vested (becar	me unrestricted).
What is the expense associated with the issuance of	of restricted shares for the current year?
\$	
information concerning operating segments. In add	FAS 131, (§ IFRS 8) requires identification of key lition, if the corporation operates in several geographic of major geographic area should also be reported. If n, indicate the primary business and/or geographic Geographic Areas

Contingencies Contingent liabilities are financial obligations that depend on the occurrence (or nonoccurrence) of future events. Disclosure of these obligations depends on whether or not the future event is probable, reasonably possible, or remote (FAS 5, FIAS 37). For example, if losing a \$2,000,000 lawsuit is probable, the amount is shown as a liability and an expense and the lawsuit is described in a note. If the loss of the lawsuit is reasonably possible, no liability is recognized; however, the lawsuit is described in a note. Remote losses need not be disclosed. Identify any contingencies that potentially affect the financial position of the corporation. Are these contingencies probable or reasonably possible? Were any of the contingencies reported as an expense on the income statement and a liability on the balance sheet? (Contingency(ies), legal, lawsuit)

Interim (Quarterly) Financial Data Disclosure of quarterly data aids the financial statement user in determining the seasonality of corporate operations. For example, American manufacturers of confectionery will typically experience much higher sales in the quarter that includes the Halloween and Christmas holidays. Large public companies are required by the SEC (Item 302(a), Reg. S-K) to include quarterly amounts for revenues, gross profit, net income, and net income per share. International standards also require interim reporting (§ IAS 37) (% interim, quarterly) (ﷺ Seasonality worksheet)

Chart the quarterly revenue for the corporation over the current year:

- a. Label the vertical axis of the following chart with a scale that will accommodate the quarterly revenue that occurred throughout the current year.
- b. Mark the level of revenue for each year with an **X**.
- c. Connect the revenue amounts with a line to indicate the trend.



the fluctuation(s)?	if so, explain the reasons for

REPORT OF THE INDEPENDENT AUDITORS

Auditing is a process by which an independent accounting firm accumulates and evaluates data to determine whether the financial statements are presented in accordance with GAAP. The Securities and Exchange Commission requires an annual audit for all companies whose capital stock is traded on a recognized stock exchange.

The purpose of the audit report is to communicate the findings of the auditor to financial statement users. The auditor's report usually appears immediately after the notes to the financial statements. Who is the corporation's auditor and where is the auditor located?

corpoi	ration's auditor and where	e is the a	uditor located?
	Auditor		
	City where auditor is located		
respoi	nsibility of management, (ancial statements are fail	(2) descr ly prese	An audit report usually consists of three parts that (1) define the ribe the nature of the audit, and (3) express an opinion on whether nted and in conformity with generally accepted accounting udit opinions that commonly in annual reports:
gener		principle	e auditor's opinion, the financial statements are in conformity with es and that the auditor is reasonably assured that the financial atement.
pervas		qualified	auditor detects non-pervasive departures from GAAP or non- opinion includes the words "except for" in the paragraph in which
if a no	nindependent relationshi s it impossible for the aud	p exists litor to ex	auditor experiences severe limitations on the scope of the audit or between the auditor and the client. Each of these conditions express an opinion on the financial statements. A disclaimer of does not render an opinion.
missta			the auditor believes the financial statements are materially pinion will state specifically that the financial statements do not in
Read opinio		fully, the	en answer the following questions concerning the content of the
1.	Place an X by the type	of opinio	on expressed by the auditor:
	Unqualified		Disclaimer of opinion
	Qualified		Adverse opinion

2.	An auditor's report will state the responsibility of the auditor. What is the responsibility of the auditor with regard to the financial statements?
3.	What guidelines does the auditor use to conduct the audit?
4.	Does the auditor believe the financial statements were presented fairly? What statements in the audit opinion support your conclusion?
rel	port on Internal Controls Internal control is the process of providing assurance regarding the iability financial statement preparation. The auditor is required to express an opinion on the ectiveness of the company's internal control over financial reporting.
1.	What authority provides the criteria for establishing internal controls?
2.	Whose responsibility is it to maintain effective internal controls over financial statement preparation process?
3.	Does the auditor believe the corporation maintained adequate internal control over financial reporting? If not, in what areas were there internal control deficiencies?

RATIO ANALYSIS

Ratio analysis is a way to compare current performance and financial position to (1) previous years, and (2) other corporations. Calculate the following ratios for your corporation. You should show all of your calculations. In other words, indicate the components of the numerator and the denominator for each ratio. (

The Ratio Analysis worksheet will be useful throughout this section.)

ANALYSIS OF PROFITABILITY

Ratios of profitability indicate the degree of success of the corporation's operations during the year. Profitability ratios show the amount of resources required to generate profits and the availability of profits to stockholders. These ratios are often used as a means for stockholders to evaluate the performance of corporate management.

1. Profit Margin

The profit margin on revenue shows the relation of profits to revenue. The percentage is computed by dividing income from continuing operations by net revenue for the year. Income from continuing operations is net income without the effects of any discontinued operations or extraordinary items.

Profit = Income from Continuing Operations
Margin Net Revenue

A higher profit margin indicates less revenue is needed to generate a desired level of profit. Compute the profit margin on revenue for the current and previous years:

<u>Current Year</u>			<u>Previous Year</u>		
	=	%	= %		

2. Return on Assets

The return on assets (ROA) ratio indicates how well the assets of the corporation are utilized to achieve a profit. The ratio demonstrates potential earning similar to the way a savings account interest rate indicates how much you can earn on money invested in savings. The percentage is computed by dividing income from continuing operations by average total assets held over the year. Average assets are usually computed by adding current year total assets to previous year total assets and dividing by two.

Return on Assets = Income from Continuing Operations for Current Year (Current Year Total Assets + Previous Year Total Assets) / 2

Total assets for the current and prebalance sheet typically shows only section of the of the annual report.	two year	s of data, prev	ious year total as	sets may appea	ar in anothei	-
Current Year			<u> </u>	Previous Year		
<u>=</u>	=	%			=	%
3. Return on Stockholders' Equi	ity					
Return on stockholders' equity is si corporation has borrowed. The rat average stockholders' equity through	tio is calcı	ulated by divid				€
Return on = Equity			uing Operations for quity + Previous \		<u>'ear</u>	
Total equity for the current and pre balance sheet typically shows only section of the annual report. Comp	two year	s of data, prev	ious year total eq	uity may appea	r in another	
year: <u>Current Year</u>			<u> </u>	Previous Year		
=	=	%			=	%
What corporate characteristic caus different?	ses the re	turn on assets	and return on eq	uity percentage	s to be	
						_

All three of the preceding ratios indicate profitability by comparing income from continuing operations to another number in the income statement or balance sheet. In comparison to the previous year, has the corporation improved its ability to generate a profit? Justify your answer based on the ratios you calculated.					
4. Earnings Per Share					
in the corporation. The ratio is considered so of the income statement (FAS 128, IAS income, less preferred stock dividends, by the corporation has income or losses from discont these items on earning per share must be discontinuous.	s the amount of earnings attributable to each share of stock important that GAAP requires EPS disclosure on the face 33). In its simplest form, EPS is calculated by dividing net average number of common shares outstanding. If the tinued operations or extraordinary items, the effects of closed separately. In the proof of the street of t				
Current Year	<u>Previous Year</u>				
Amount Per Share	Amount Per Share				
Did the current EPS improve compared to the changes in the numerator or the denominator	previous year? Was the change in EPS a result of of the ratio? Explain.				

The equity section of a balance sheet may have dilutive securities (such as options, convertible bonds and convertible preferred stock) that can decrease EPS by increasing the number of shares in the denominator. In this case, the corporation may be required to show a diluted EPS in addition to the basic EPS. Were diluted EPS disclosed by the corporation? If so, what equity securities in the balance sheet have the potential of increasing the EPS denominator?					
5. Cash Dividends Per Share					
Cash dividends per share is similar earnings retained in the corporation stockholder received during the years.	on. In other words,	the ratio indicates th			
Cash Dividends = Per Share (0		dends Paid to Comm per of Shares + Last			
The dividend paid to common stor of common stock shares outstand typically shows only two years of financial data section of the annual previous year:	ing appears on the data, the previous y	balance sheet; how year number of share	ever, because s may appea	e a balance sheet or in the selected	
Current Year			Previous Yea	<u>ar</u>	
=	Dollars Per Share		_ =	Dollars Per Share	
6. Dividend Payout Ratio					
The dividend payout ratio indicate retained in the corporation. The restockholders by the amount of inc	atio is computed by	/ dividing cash divide	nds paid to c	ommon	
Dividend Payout Ratio	_	ividends Paid to Con Income - Preferred I			

The dividend paid to common and preferred stockhold Net income appears on the income statement. Compo previous year.	
Current Year	<u>Previous Year</u>
= %	
7. Price/Earnings (P/E) Ratio	
The P/E ratio measures the relationship between the eprice. A corporation with a P/E ratio of 15 is said to be analysts believe the P/E ratio is a good measure of the Companies with high P/E ratios have a stock price that A lower P/E ratio may indicate that lower earnings experice.	e selling at 15 times its current earnings. Some e future earnings power of a corporation. It reflects the expectation of higher future earnings.
Price/Earnings = Ratio	Market Price Per Share Earnings Per Share
Calculate the P/E Ratio for the current and previous ye shares are not available, use an average of the high a	
Current Year	Previous Year
———— = times	= times
In the past decade, the average P/E ratio for major corporation's P/E ratio compare to this range? What r of the corporation?	

ANALYSIS OF LIQUIDITY

A common misconception is that corporations become bankrupt because they are unprofitable. In reality, bankruptcy is declared because a corporation is not able to meet the current obligations to the creditors, not when the corporation lacks profitability.

Current assets are called "current" because they are converted into cash during the operating cycle. Current liabilities are liabilities that will be liquidated by current assets or by the creation of other current liabilities.

Liquidity ratios indicate the corporation's ability to meet short-term cash requirements. For this reason, liquidity ratios are important to potential and existing creditors. There are two commonly computed liquidity ratios:

1. Current (or Working Capital) Ratio

The current ratio indicates whether the firm will have enough resources to meet obligations becoming due during the next period. The current ratio is the quotient of current assets divided by current liabilities. The ratio is usually expressed in a format in which the denominator is equal to "1", for example, if current assets were twice as much as current liabilities the ratio is expressed as "2:1".

Current Assets
Ratio = Current Assets
Current Liabilities

Strictly speaking, a ratio less than one indicates a corporation will not meet obligations due during the next period without additional resources. On the other hand, a ratio of greater than one indicates the corporation is currently is able to meet current liabilities as they become due. All components of the current ratio appear in the current sections of the balance sheet. Compute the current ratio for the current and previous year:

<u>Current Year</u>	<u>Previous Year</u>			
= :1	= :1			
Based on the current ratio you calculated, do you be obligations as they become due? Why? Has the co obtain working capital if needed? (ੴ lines of credit,	rporation established lines of credit with lenders to			

the current year?
\$
2. Quick (or Acid-Test) Ratio
The quick ratio recognizes certain current assets are more liquid than others. For example, inventories are usually not immediately available for the liquidation of current liabilities because the corporation must first sell inventoried items to obtain cash.
The quick ratio is similar to the current ratio except the numerator includes only current assets which may be readily turned into cash. These current assets include cash, marketable securities, and net receivables.
Quick = Cash + Marketable Securities + Net Receivables Current Liabilities
All components of the quick ratio appear in the current sections of the balance sheet. Compute the quick ratio for the current and previous year:
Current Year Previous Year
= :1= ::
Based on your assessment of the two liquidity ratios you calculated, did the liquidity position of the corporation strengthen or weaken compared to the previous year? What were the reasons for the change, if any?

Net working capital is equal to current assets minus current liabilities. What is the net working capital for

ANALYSIS OF SOLVENCY

Solvency ratios measure the corporation's ability to manage debt. The ratios indicate risk to long-term creditors and equity investors. (

☐ Debt worksheet)

1. Debt to Total Assets

The debt to total assets ratio measures the amount of leverage used by the corporation. The ratio indicates what percentage of the assets of the corporation is financed by those other than stockholders of the corporation.

	Debt to Total Assets	=	Total Liabilitie Total Assets	<u>s</u>		
All components of the debt to to assets ratio for the current and		appear or	the balance s	sheet. Compute	the debt to	total
Current Year				Previous Yea	<u>ar</u>	
	= %				- =	%
How did the debt position of the changes if any?	corporation cha	ange over	the last year?	What were the	reasons fo	r these
Would potential lenders prefer t	he debt to total a	assets rat	io to be larger	or smaller? Wh	y?	

2. Times Interest Earned Ratio

When payment of interest on debt becomes significant in proportion to the corporation's annual income, it is often evidence the corporation is spending too much of its resources servicing debt. The times interest earned ratio indicates the relationship of interest expense to income. The ratio is computed by dividing income before tax and interest expense by interest expense.

Times Interest Earned		nterest Expense + Tax Expense Interest Expense	<u>ense</u>
All of the components of the time times interest earned ratio for the			atement. Compute the
Current Year		Previo	ous Year
<u>=</u>	times		= times
Some believe the times interest edway, the ratio indicates the corporation interest may differ from interest amortized.) In this case, the numeratement. The denominator is conote describing the corporation's	oration's ability to pay of expense to the ext nerator includes casl cash paid for interest	y interest from the cash from ent of accruals are made on n flow from operations as it	m operations. (Cash paid r a premium or discount is appears in the cash flow
Times Interest Earned on the Cash Basis	= Cash Flow fro	m Operations + Cash Paid Cash Paid for Interest	for Interest
Compute the times interest earne	ed on the cash basis	for the current and previou	ıs year:
Current Year		Previo	ous Year
	times		= times

INDUSTRY OR COMPETITOR COMPARISONS

One way to evaluate corporate success is to compare the corporation to others in the industry. Industry common-size percentages and ratios are easily obtained in most libraries. (See Appendix B, Obtaining Data for Industry Comparisons.) Most sources of industry wide data are organized by Standard Industrial Classification (SIC) codes and by corporation size within that code. SIC codes for a specific corporation are identified in the 10-K report of the corporation. (**) standard, industrial)

Alternatively, you may want to compare your corporation to their closest competitor. Information concerning a primary competitor may be obtained in the annual report to stockholders or the Form 10-K of the competitor.

Mark	the comparison method you will use:
	Industry Comparison
	SIC Code:
	Industry Name:
	Source of industry-wide data:
	All industry comparisons should be made using the same fiscal years. The most current year of operations may not yet be available in the industry source. What is the year of the comparison you will be making?
	
	Primary Competitor Comparison
	Name of Competitor

In the following table, copy (1) common-size data and ratios calculated earlier for the appropriate year, and (2) the corresponding industry or comparison data. You may need to adjust certain ratios to make them comparable. For example, if the earnings before taxes are used to calculate return ratios for the industry, you should calculate your corporation's ratio in a similar manner. If the data is not available, indicate this by writing "NA" in the blank. (

Competitor Analysis worksheet)

Income Statement Common-Size Data	Corporation	Industry or Competitor
Gross Profit/Sales	%	%
Income from Continuing Operations/Sales	%	%
Balance Sheet Common-Size Data		
Current Assets/Total Assets	%	%
Current Liabilities/Total Assets	%	%
Liabilities/Total Assets	%	%
Equity/Total Assets	%	%
Profitability Ratios		
Profit Margin	%	%
Return on Assets	%	%
Return on Equity	%	%
Dividend Payout Ratio	%	%
Liquidity Ratios		
Current Ratio	:1	:1
Quick Ratio	:1	:1
Solvency Ratios		
Debt/Total Assets	%	%
Times Interest Earned	times	times
Operational Ratios		
Receivable Turnover	times	times
Inventory Turnover	times	times

1.	Based on the ratios, what are the primary differences between the corporation and other companies in the industry or the primary competitor? What specific ratios explain the reasons for these differences?
2.	In your opinion, does the corporation compare favorably or unfavorably to the industry or the primary competitor? Give examples to support your conclusion.

MAKING DECISIONS BASED ON THE ANNUAL REPORT

1.	How would you assess the corporation's revenue performance over the last few years (for example, is it increasing, stagnant, declining)? What are the reasons for your assessment?
2.	What factors (such as the economy, consumer demand, product innovation, competition, regulation, etc.) will have the greatest influence on in the determination of next year's revenue? In what way would these factor(s) influence revenue?
3.	What do you predict revenue to be next year? \$
4.	How would you assess the income performance of the corporation over the last few years?
5.	What do you predict net income to be next year? \$

6.	How would you assess the corporation's total asset growth rate (for example, rapid increase, stable increase, stagnant, declining)? What evidence justifies your answer?					
	<u>.</u>					
7.	Do you expect total assets to increase, decrease, or remain relatively the same next year? Justify your answer.					
8.	Do you believe the corporation will need additional financing to meet needs over the next few years? Why or why not? If financing is needed, do you believe the corporation would be able to obtain financing easily?					
9.	Identify what you believe to be the three strongest aspects of the corporation. Describe why these might be considered advantages. a					
	b					
	c					

10.	Identify what you believe to be the three weakest aspects of the corporation. Is it likely these weaknesses can be overcome in the next few years?					
11.	a					
	b					
	c					
	Are you optimistic or pessimistic concerning the future of the corporation? What specific corporate or industry characteristics influence your opinion?					
12.	Would you invest in the capital stock or bonds (if applicable) of this corporation if you had sufficient funds? Would you rather invest in one of the corporation's competitors? What are the reasons for your decision?					

APPENDIX A

OBTAINING ANNUAL FINANCIAL DATA

Annual financial data of a corporation may be requested directly from the corporation or downloaded from the internet.

Requesting Financial Information Directly from the Corporation

Corporations are usually enthusiastic about complying with requests for annual reports. They know the recipient may be a potential stockholder in the corporation. Requests for an annual report or Form 10-K are usually fulfilled within two to three weeks.

You may request an annual report by email or by phoning shareholder service department of the corporation. Corporate addresses and phone numbers are usually easily found in a simple internet search. (4) in the corporate website search for stockholder, shareholder, or investor relations.)

Caution: Some companies provide a "summary annual report" which includes the primary financial statements and summarized notes. They usually reference Form 10-K if the reader wants greater detail. Summarized annual reports alone do not contain adequate data to complete this project.

Downloading Financial Data from the Internet

Financial data of publicly-traded corporations are available on the corporate website and on the SEC website.

Corporate Website Almost every publicly-traded corporation now places annual financial data on their corporate website. The data may be (1) summarized from the corporate annual report, (2) the annual report submitted to stockholders, or (3) a link to documents submitted to the SEC. Annual financial data is usually located in the investor relations section of a corporate web site (% stockholder, shareholder, or investor relations). The financial statements may appear in either in a web-based format, a Microsoft Word file, or a portable document format (pdf) file.

SEC Website The annual report submitted to the SEC is called Form 10-K. This form is publicly available on the internet (www.sec.gov) in a database called the Electronic Data Gathering, Analysis, and Retrieval system (EDGAR). A tutorial on accessing EDGAR is at www.sec.gov/edgar/quickedgar.htm.

Caution: Information downloaded from the internet may be obtained immediately; however, it is not always in a format that is easy to use. Printing the data is sometimes cumbersome.

APPENDIX B

OBTAINING DATA FOR INDUSTRY COMPARISONS

The following publications are sources of industry-wide data available in most public and academic libraries:

Almanac of Business and Industrial Financial Ratios, Troy, Leo, CCH Incorporated, Chicago, IL Annual Statement Studies: Financial Ratio Benchmarks, RMA, Philadelphia, PA Industry Norms and Key Business Ratios, Dun and Bradstreet Credit Services, Inc., Murray Hill, NJ

Most industry comparison services organize data by Standard Industrial Classification (SIC) codes. If your corporation's securities are registered with the SEC, the primary SIC code(s) will be listed in Form 10-K located on the internet at www.sec.gov (% standard, industrial). For more information concerning industry classifications, refer to Occupational Safety and Health Administration's Standard Industrial Code Search on the internet at www.osha.gov/oshstats/sicser.html.

Some services also provide data for several corporate size categories (usually determined by revenue or total assets). Use the most appropriate industry and size for the corporation you selected.

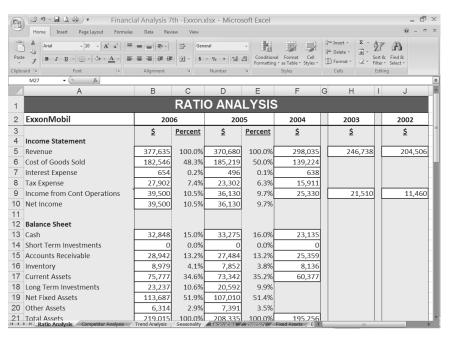
APPENDIX C

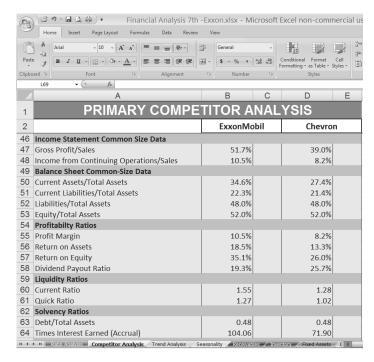
FINANCIAL ANALYSIS USING EXCEL

To help you with this project, an Excel spreadsheet may be downloaded from www.mhhe.com/pasewark7e. The file contains four primary linked worksheets: Ratio Analysis, Competitor Analysis, Trend Analysis, and Seasonality. The spreadsheet may be completed using data that you have already utilized in the project. The spreadsheet will also calculate ratios that confirm calculations you made in the project.

Common Size and Ratio Analysis

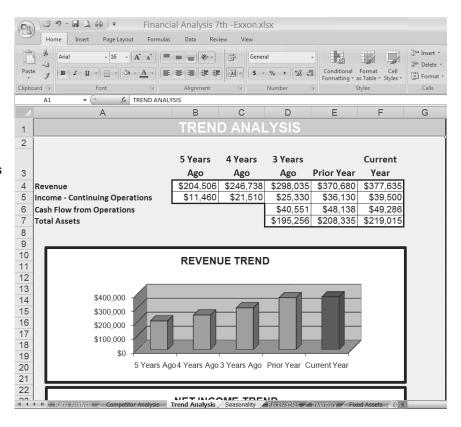
- On the Ratio Analysis worksheet, enter data in the cells with white backgrounds. As you enter the data, common-size data will appear in Columns C and E. Ratios will be calculated in Rows 43 through 62. The example shows data from ExxonMobil for the years 2002 through 2006.

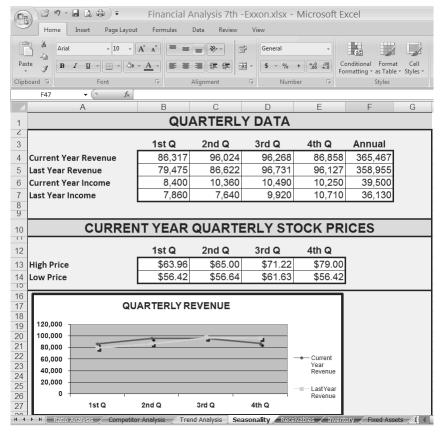




Competitor Analysis – Access the Competitor Analysis worksheet by clicking the Competitor Analysis tab at the bottom of the screen. The corporation data you entered on the Ratio Analysis worksheet is linked to the Competitor Analysis worksheet and need not be entered. Enter data for the corporation's primary competitor in the cells with white backgrounds on the Competitor Analysis worksheet. Comparative ratios will appear in Rows 47 through 67. The example shows comparative ratios calculated for ExxonMobil and Chevron.

Trend Analysis – The Trend Analysis worksheet summarizes the revenue, income, and total assets of the corporation for the last few years. All data on this sheet is linked to prior worksheets and need not be entered. The sheet will display column and line charts that indicate historical trends. The example shows a column chart of ExxonMobil revenue.





Seasonality – The last worksheet summarizes quarterly revenue, income, and stock prices. Enter quarterly data for the corporation in B4:E7 and B13:E14. Charts will be created in Rows 16 through 52 that indicate the seasonal trends of the revenue, income, and stock prices. The example shows a line chart created from the quarterly revenue of ExxonMobil.