

IFRS EDITION

Prepared by Coby Harmon University of California, Santa Barbara Westmont College

PREVIEW OF CHAPTER 14

	FINANCIAL STATEMENT ANALYSIS					
Basics of Financial Statement Analysis	Horizontal and Vertical Analysis	Ratio Analysis	Earning Power and Unusual Items	Quality of Earnings		
 Need for comparative analysis Tools of analysis 	 Statement of financial position Income statement Retained earnings statement 	LiquidityProfitabilitySolvencySummary	 Discontinued operations Changes in accounting principle Comprehensive income 	 Alternative accounting methods Pro forma income Improper recognition 		

Financial Accounting IFRS 3rd Edition Weygandt • Kimmel • Kieso

CHAPTERFinancial Statement14Analysis

LEARNING OBJECTIVES

After studying this chapter, you should be able to:

- 1. Discuss the need for comparative analysis.
- 2. Identify the tools of financial statement analysis.
- 3. Explain and apply horizontal analysis.
- 4. Describe and apply vertical analysis.
- 5. Identify and compute ratios used in analyzing a firm's liquidity, profitability, and solvency.
- 6. Understand the concept of earning power, and how discontinued operations are presented.
- 7. Understand the concept of quality of earnings.

Basics of Financial Statement Analysis

Need for Comparative Analysis

Learning Objective 1

Discuss the need for comparative analysis.

- Every item reported in a financial statement has significance.
- Various analytical techniques are used to evaluate the significance of financial statement data.

102

Basics of Financial Statement Analysis

Analyzing financial statements involves:

Learning Objective 2 Identify the tools of financial statement analysis.



Horizontal analysis, also called trendExplain and apply
horizontal analysis.analysis, is a technique for evaluating aseries of financial statement data over a period of time.

 Purpose is to determine the increase or decrease that has taken place.

 Commonly applied to the statement of financial position, income statement, and retained earnings statement.

Learning Objective 3

QUALITI DEPARTMENT STORE				
Condensed Statements of Financial Position				
December 31				

ITV DEDADTMENIT CTODE

			Increase or (during	
	2017	2016	Amount	Percent
Assets				
Intangible assets	€ 15,000	€ 17,500	€ (2,500)	(14.3%)
Plant assets (net)	800,000	632,500	167,500	26.5%
Current assets	1,020,000	945,000	75,000	7.9 %
Total assets	€1,835,000	€1,595,000	€240,000	15.0%
Equity				
	€ 275,400	€ 270,000	€ 5,400	2.0%
Retained earnings	727,600	525,000	202,600	38.6%
Total equity	1,003,000	795,000	208,000	26.2%
Liabilities				
Non-current liabilities	€ 487,500	€ 497,000	€ (9,500)	(1.9%)
Current liabilities	344,500	303,000	41,500	13.7%
Total liabilities	832,000	800,000	32,000	4.0%
Total equity and				
liabilities	€1,835,000	€1,595,000	€240,000	15.0%

Illustration 14-5 Horizontal analysis of statements of financial position

Changes suggest that the company expanded its asset base during 2017 and financed this expansion primarily by retaining income rather than assuming additional long-term debt.

QUALITY DEPARTMENT STORE

Condensed Income Statements For the Years Ended December 31

			Increase or during	
	2017	2016	Amount	Percent
Sales revenue	€2,195,000	€1,960,000	€235,000	12.0%
Sales returns and allowances	98,000	123,000	(25,000)	(20.3%)
Net sales	2,097,000	1,837,000	260,000	14.2%
Cost of goods sold	1,281,000	1,140,000	141,000	12.4%
Gross profit	816,000	697,000	119,000	17.1%
Selling expenses	253,000	211,500	41,500	19.6%
Administrative expenses	104,000	108,500	(4,500)	(4.1%)
Total operating expenses	357,000	320,000	37,000	11.6%
Income from operations	459,000	377,000	82,000	21.8%
Other income and expense				
Interest and dividends	9,000	11,000	(2,000)	(18.2%)
Interest expense	36,000	40,500	(4,500)	(11.1%)
Income before income taxes	432,000	347,500	84,500	24.3%
Income tax expense	168,200	139,000	29,200	21.0%
Net income	€ 263,800	€ 208,500	€ 55,300	26.5%

Illustration 14-6 Horizontal analysis of Income statements

Overall, gross profit and net income were up substantially. Gross profit increased 17.1%, and net income, 26.5%. Quality's profit trend appears favorable.

QUALITY DEPARTMENT STORE Retained Earnings Statements For the Years Ended December 31					
			Increase or during	```	
	2017	2016	Amount	Percent	
Retained earnings, Jan. 1	€525,000	€376,500	€148,500	39.4%	
Add: Net income	263,800	208,500	55,300	26.5%	
	788,800	585,000	203,800		
Deduct: Dividends	61,200	60,000	1,200	2.0%	
Retained earnings, Dec. 31	€727,600	€525,000	€202,600	38.6%	

Illustration 14-7 Horizontal analysis of retained earnings statements

In the horizontal analysis of the statement of financial position the ending retained earnings increased 38.6%. As indicated earlier, the company retained a significant portion of net income to finance additional plant facilities.

> DO IT!

Summary financial information for Rosepatch Company is as

follows.

	December 31, 2017	December 31, 2016
Plant assets (net)	€756,000	€420,000
Current assets	234,000	180,000
Total assets	€990,000	€600,000

Compute the amount and percentage changes in 2017 using horizontal analysis, assuming 2016 is the base year.

	Increase in 2017		
	Amount	Percent	
Plant assets (net) Current assets			
Total assets			

Vertical Analysis

Vertical analysis, also called common-size analysis, is a technique that expresses each financial statement item as a percent of a base amount.

• On an **income statement**, we might say that selling

- On an income statement, we might say that selling expenses are 16% of net sales.
- On a statement of financial position, we might say that current assets are 22% of total assets.
- Vertical analysis is commonly applied to the statement of financial position and the income statement.

Learning Objective 4

Vertical Analysis

QUALITY DEPARTMENT STORE Condensed Statements of Financial Position December 31				
	201	7	201	6
	Amount	Percent	Amount	Percent
Assets				
Intangible assets	€ 15,000	0.8%	€ 17,500	1.1%
Plant assets (net)	800,000	43.6%	632,500	39.7%
Current assets	1,020,000	55.6%	945,000	59.2 %
Total assets	€1,835,000	100.0%	€1,595,000	100.0%
Equity				
Share capital—ordinary, €1 par	€ 275,400	15.0%	€ 270,000	16.9%
Retained earnings	727,600	39.7%	525,000	32.9%
Total equity	1,003,000	54.7%	795,000	49.8%
Liabilities				
Non-current liabilities	€ 487,500	26.5%	€ 497,000	31.2%
Current liabilities	344,500	18.8%	303,000	19.0%
Total liabilities	832,000	45.3%	800,000	50.2%
Total equity and				
liabilities	€1,835,000	100.0%	€1,595,000	100.0%

TV DEDADTMENT CTO

Illustration 14-8

Vertical analysis of statements of financial position

These results reinforce the earlier observations that Quality is choosing to finance its growth through retention of earnings rather than through issuing additional debt.

Vertical Analysis

QUALITY DEPARTMENT STORE Condensed Income Statements For the Years Ended December 31					
	201	7	201	2016	
	Amount	Percent	Amount	Percent	
Sales revenue	€2,195,000	104.7%	€1,960,000	106.7%	
Sales returns and allowances	98,000	4.7%	123,000	6.7%	
Net sales	2,097,000	100.0%	1,837,000	100.0%	
Cost of goods sold	1,281,000	61.1%	1,140,000	62.1%	
Gross profit	816,000	38.9%	697,000	37.9%	
Selling expenses	253,000	12.0%	211,500	11.5%	
Administrative expenses	104,000	5.0%	108,500	5.9%	
Total operating expenses	357,000	17.0%	320,000	17.4%	
Income from operations	459,000	21.9%	377,000	20.5%	
Other income and expense					
Interest and dividends	9,000	0.4%	11,000	0.6%	
Interest expense	36,000	1.7%	40,500	2.2%	
Income before income taxes	432,000	20.6%	347,500	18.9%	
Income tax expense	168,200	8.0%	139,000	7.5%	
Net income	€ 263,800	12.6%	€ 208,500	11.4%	

Illustration 14-9 Vertical analysis of Income statements

Quality appears to be a profitable enterprise that is becoming even more successful. Enables a comparison of companies of different sizes.

CONDENSED INCOME STATEMENTS For the Year Ended December 31, 2017 (in thousands)					
		epartment ore	Park St	reet	
	Amount	Percent	Amount	Percent	
Net sales	€2,097	100.0%	€17,556,000	100.0%	
Cost of goods sold	1,281	61.1%	10,646,000	60.6%	
Gross profit	816	38.9%	6,910,000	39.4%	
Selling and administrative					
expenses	357	17.0%	6,247,000	35.6%	
Income from operations	459	21.9%	663,000	3.8%	
Other income and expense					
(including income taxes)	195	9.3%	412,000	2.4%	
Net income	€ 264	12.6%	€ 251,000	1.4%	

Illustration 14-10

14-14 Intercompany income statement comparison

Ratio Analysis

Ratio analysis expresses the relationship among selected items of financial statement data. Learning Objective 5

Identify and compute ratios used in analyzing a firm's liquidity, profitability, and solvency.

Financial Ratio Classifications



Profitability

Measure short-term ability of the company to pay its maturing obligations and to meet unexpected needs for cash.

Measure the income or operating success of a company for a given period of time. Solvency

Measure the ability of the company to survive over a long period of time.

ANATOMY OF A FRAUD

Sometimes, relationships between numbers can be used by companies to detect fraud. The numeric relationships that can reveal fraud can be such things as financial ratios that appear abnormal, or statistical abnormalities in the numbers themselves. For example, the fact that WorldCom's (USA) line costs, as a percentage of either total expenses or revenues, differed very significantly from its competitors should have alerted people to the possibility of fraud. Or, consider the case of a bank manager, who cooperated with a group of his friends to defraud the bank's credit card department. The manager's friends would apply for credit cards and then run up balances of slightly less than \$5,000. The bank had a policy of allowing bank personnel to write off balances of less than \$5,000 without seeking supervisor approval. The fraud was detected by applying statistical analysis based on Benford's Law. Benford's Law states that in a random collection of numbers, the frequency of lower digits (e.g., 1, 2, or 3) should be much higher than higher digits (e.g., 7, 8, or 9). In this case, bank auditors analyzed the first two digits of amounts written off. There was a spike at 48 and 49, which was not consistent with what would be expected if the numbers were random.

Total take: Thousands of dollars

ANATOMY OF A FRAUD

Total take: Thousands of dollars

The Missing Control

Liquidity Ratios

Measure the short-term ability of the company to pay its maturing obligations and to meet unexpected needs for cash.

- Short-term creditors such as bankers and suppliers are particularly interested in assessing liquidity.
- Ratios include the current ratio, the acid-test ratio, accounts receivable turnover, and inventory turnover.

1. CURRENT RATIO

Illustration 14-12



Ratio of 2.96:1 means that for every dollar of current liabilities, Quality has €2.96 of current assets.

Investor Insight How to Manage the Current Ratio

The apparent simplicity of the current ratio can have real-world limitations because adding equal amounts to both the numerator and the denominator causes the ratio to decrease. Assume, for example, that a company has \$2,000,000 of current assets and \$1,000,000 of current liabilities; its current ratio is 2:1. If it purchases \$1,000,000 of inventory on account, it will have \$3,000,000 of current assets and \$2,000,000 of current liabilities; its current ratio decreases to 1.5:1. If, instead, the company pays off \$500,000 of its current liabilities, it will have \$1,500,000 of current assets and \$500,000 of current liabilities; its current ratio increases to 3:1. Thus, any trend analysis should be done with care because the ratio is susceptible to quick changes and is easily influenced by management.

Liquidity Ratios

2. ACID-TEST RATIO

Illustration 14-13

QUALITY DEPARTMENT STORE Statement of Financial Position (partial)						
	2017 2016					
Current assets						
Prepaid expenses	€ 50,000	€ 40,000				
Inventory	620,000	500,000				
Accounts receivable (net*)	230,000	180,000				
Short-term investments	20,000	70,000				
Cash	100,000	155,000				
Total current assets	€1,020,000	€ 945,000				

*Allowance for doubtful accounts is €10,000 at the end of each year.

2. ACID-TEST RATIO

Illustration 14-14

Acid-Test Ratio = Cash + Short-Term Investments + Receivables (Net) Current Liabilities				
Quality Department Store				
<u>2017</u> <u>2016</u>				
$\underbrace{\bullet155,000 + \bullet70,000 + \bullet180,000}_{= 1.34:1}$				
€303,000				
Park Street				
1.05:1				
)				

Acid-test ratio measures immediate liquidity.

3. ACCOUNTS RECEIVABLE TURNOVER

Illustration 14-15



Measures the number of times, on average, the company collects receivables during the period.



A variant of the Accounts Receivable Turnover ratio is to convert it to an AVERAGE COLLECTION PERIOD in terms of days.

365 days ÷ 10.2 times = every 35.78 days

Receivables are collected on average every 36 days.

4. INVENTORY TURNOVER

Illustration 14-16



Measures the number of times, on average, the inventory is sold during the period.



A variant of inventory turnover is the DAYS IN INVENTORY.

365 days / 2.3 times = every 159 days

Inventory turnover ratios vary considerably among industries.

Measure the income or operating success of a company for a given period of time.

- Income, or the lack of it, affects the company's ability to obtain debt and equity financing, liquidity position, and the ability to grow.
- Ratios include the profit margin, asset turnover, return on assets, return on ordinary shareholders' equity, earnings per share, price-earnings, and payout ratio.

5. PROFIT MARGIN

Illustration 14-17

Profit Margin = <u>Net Income</u> Net Sales	
Quality Department Store	
2017	2016
$\frac{\notin 263,800}{\notin 2,097,000} = 12.6\%$	$\frac{\notin 208,500}{\notin 1,837,000} = 11.4\%$
Industry average 8.0%	Park Street 1.4%

Measures the percentage of each dollar of sales that results in net income.

6. ASSET TURNOVER

Illustration 14-18



Measures how efficiently a company uses its assets to generate sales.

7. RETURN ON ASSET

Illustration 14-19



An overall measure of profitability.

8. RETURN ON ORDINARY SHAREHOLDERS' EQUITY

Illustration 14-20



Shows how many euros of net income the company earned for each euro invested by the owners.

9. EARNINGS PER SHARE (EPS)

Illustration 14-21



A measure of the net income earned on each ordinary share.

10. PRICE-EARNINGS RATIO

Illustration 14-22



Reflects investors' assessments of a company's future earnings.

11. PAYOUT RATIO

Illustration 14-23

Payout Ratio = Cash Dividends Net Income	
Quality Department Store	
2017	2016
$\frac{\notin 61,200}{\notin 263,800} = 23.2\%$	$\frac{\notin 60,000}{\notin 208,500} = 28.8\%$
Industry average 16.1%	Park Street 63.0%

Measures the percentage of earnings distributed in the form of cash dividends.

Solvency Ratios

Solvency ratios measure the ability of a company to survive over a long period of time.

- Debt to Total Assets and
- Times Interest Earned

are two ratios that provide information about debt-paying ability.

12. DEBT TO TOTAL ASSETS RATIO

Illustration 14-24



Measures the percentage of the total assets that creditors provide.
13. TIMES INTEREST EARNED

Illustration 14-25

Times Interest = Income before Earned	Income before Income Taxes and Interest Expense Interest Expense	
Quality Department Store		
2017	2016	
$\frac{\notin 468,000}{\notin 36,000} = 13 \text{ times}$	$\frac{\notin 388,000}{\notin 40,500} = 9.6 \text{ times}$	
Industry average 16.1 times	Park Street 2.9 times	

Provides an indication of the company's ability to meet interest payments as they come due.

Summary of Ratios

Illustration 14-26

Ratio	Formula	Purpose or Use
Liquidity Ratios		
1. Current ratio	Current assets Current liabilities	Measures short-term debt-paying ability.
2. Acid-test (quick) ratio	Cash + Short-term <u>investments + Receivables (net)</u> Current liabilities	Measures immediate short-term liquidity.
3. Accounts receivable turnover	Net credit sales Average net accounts receivable	Measures liquidity of accounts receivable.
4. Inventory turnover	Cost of goods sold Average inventory	Measures liquidity of inventory.

Summary of Ratios

Illustration 14-26

Ratio	Formula	Purpose or Use
Profitability Ratios		
5. Profit margin	Net income Net sales	Measures net income generated by each currency unit of sales.
6. Asset turnover	Net sales Average assets	Measures how efficiently assets are used to generate sales.
7. Return on assets	Net income Average assets	Measures overall profitability of assets.
8. Return on ordinary shareholders' equity	Net income – Preference <u>dividends</u> Average ordinary shareholders' equity	Measures profitability of owners' investment.
9. Earnings per share (EPS)	Net income – Preference dividends Weighted-average ordinary shares outstanding	Measures net income earned on each ordinary share.
10. Price-earnings (P-E) ratio	Market price per share Earnings per share	Measures the ratio of the market price per share to earnings per share.
11. Payout ratio	Cash dividends Net income	Measures percentage of earnings distributed in the form of cash dividends.

Summary of Ratios

Illustration 14-26

Ratio	Formula	Purpose or Use
Solvency Ratios		
12. Debt to total assets ratio	Total debt Total assets	Measures the percentage of total assets provided by creditors.
13. Times interest earned	Income before income taxes and interest expense Interest expense	Measures ability to meet interest payments as they come due.

Earning Power and Unusual Items

Earning power means the normal level of income to be obtained in the future.

Learning Objective 6

Understand the concept of earning power, and how discontinued operations are presented.

To determine earning power or regular income, discontinued operations are

- 1. separately identified on the income statement.
- 2. reported net of income taxes.

Earning Power and Irregular Items

Discontinued Operations

- (a) Disposal of a **significant component** of a business.
- (b) Report the income (loss) from discontinued operations in two parts:
 - 1. income (loss) from operations (net of tax) and
 - 2. gain (loss) on disposal (net of tax).

Illustration: During 2017 Acro Energy Ltd. has income before income taxes of NT\$800,000. During 2017, Acro discontinued and sold its unprofitable chemical division. The loss in 2017 from chemical operations (net of NT\$60,000 taxes) was NT\$140,000. The loss on disposal of the chemical division (net of NT\$30,000 taxes) was NT\$70,000. Assuming a 30% tax rate on income.

Discontinued Operations

ACRO ENERGY LTD. Income Statement (partial) For the Year Ended December 31, 2017		
Income before income taxes Income tax expense		NT\$ 800,000 240,000
Income tax expense Income from continuing operations		560,000
Discontinued operations		
Loss from operations of chemical division, net of NT\$60,000 income tax savings Loss from disposal of chemical division,	NT\$140,000	
net of NT\$30,000 income tax savings	70,000	210,000
Net income		NT\$350,000

Illustration 14-27 Statement presentation of discontinued operations

Investor Insight What Does "Non-Recurring" Really Mean?

Many companies incur restructuring charges as they attempt to reduce costs. They often label these items in the income statement as "nonrecurring" charges to suggest that they are isolated events which are unlikely to occur in future periods. The question for analysts is, are these costs really one-time, "non-recurring" events, or do they reflect problems that the company will be facing for many periods in the future? If they are one-time events, they can be largely ignored when trying to predict future earnings. But some companies report "one-time" restructuring charges over and over again. For example, toothpaste and other consumer-goods giant **Procter & Gamble Co.** (USA) reported a restructuring charge in 12 consecutive quarters. Motorola (USA) had "special" charges in 14 consecutive quarters. On the other hand, other companies have a restructuring charge only once in a five- or ten-year period. There appears to be no substitute for careful analysis of the numbers that comprise net income.

Earning Power and Irregular Items

Change in Accounting Principle

- Occurs when the principle used in the current year is different from the one used in the preceding year.
- Accounting rules permit a change if justified.
- Most changes are reported retroactively.
- Example would include a change in inventory costing method (such as FIFO to average-cost).

Earning Power and Irregular Items

Comprehensive Income

Income Statement (in thousands)		
Sales € 285,000		
Cost of goods sold	149,000	
Gross profit	136,000	
Operating expenses:		
Advertising expense	10,000	
Depreciation expense	43,000	
Total operating expense	53,000	
Income from operations	83,000	
Other revenue:		
Interest revenue	17,000	
Total other	17,000	
Income before taxes	100,000	
Income tax expense	24,000	
Net income € 76,000		

All changes in equity except those resulting from investments by shareholders and distributions to shareholders.

Reported in Equity

- Unrealized gains and losses on non-trading securities.
- Plus other items

+

Why are gains and losses on non-trading securities excluded from net income?

Because disclosing them separately

- reduces the volatility of net income due to fluctuations in fair value,
- yet informs the financial statement user of the gain or loss that would be incurred if the securities were sold at fair value.

Illustration: Assume Stassi AG has ordinary shares of \pounds 3,000,000, retained earnings of \pounds 1,500,000, and accumulated other comprehensive loss of \pounds 2,000. Illustration 14-28 shows the statement of financial position presentation of the unrealized loss.

STASSI AG Statement of Financial Position (partial)	
Equity Share capital—ordinary Retained earnings Accumulated other comprehensive loss Total equity	€3,000,000 1,500,000 2,000 €4,498,000

Illustration 14-2814-49Unrealized loss in equity section

	PACE AG Statement of Comprehensive Income For the Year Ended December 31, 2017	Illustration 14-29 Complete statement of comprehensive income
Net sales		€440,000
Cost of goods sold		260,000
Gross profit		180,000
Operating expenses		110,000
Income from operation	ons	70,000
Other revenues and g		5,600
Other expenses and l	osses	9,600
Income before incom		66,000
Income tax expense (€66,000 × 30%)	19,800
Income from continu	0 1	46,200
	tions: Gain on disposal n, net of €15,000 income 30%)	35,000
Loss from operation	n of plastics division, net of	
income tax saving	gs €18,000 (€60,000 × 30%)	42,000
Net income		39,200
Other comprehensiv		
	n non-trading securities, net	
	s (€15,000 × 30%)	10,500
Comprehensive inco	ome	€ 49,700

> DO IT!

In its proposed 2017 income statement, AIR plc reports income before income taxes £400,000, loss on operation of discontinued flower division £50,000, and loss on disposal of discontinued flower division £90,000. The income tax rate is 30%. Prepare a correct income statement, beginning with "Income before income taxes."

AIR plc

Income Statement (partial) For the Year Ended December 31, 2017

Income before income taxes

£400,000

Quality of Earnings

A company that has a high **quality of earnings** provides full and transparent information that will not confuse or mislead users of the financial statements.

Alternate Accounting Methods

 Variations among companies in the application of IFRS may hamper comparability and reduce quality of earnings.

Learning Objective 7

Quality of Earnings

Pro Forma Income

- Pro forma income usually excludes items that the company thinks are unusual or nonrecurring.
- Some companies have abused the flexibility that pro forma numbers allow.

Improper Recognition

Some managers have felt pressure to continually increase earnings and have manipulated the earnings numbers to meet these expectations.

Abuses include:

- Improper recognition of revenue (channel stuffing).
- Improper capitalization of operating expenses (WorldCom USA).
- Failure to report all liabilities (Enron USA).

> DO IT!

Match each of the following terms with the phrase that best describes it.Comprehensive incomeVertical analysisQuality of earningsPro forma incomeSolvency ratioDiscontinued operations

- 1. Measures the ability of the company to surviveSolvencyover a long period of time.ratio
- 2. Usually excludes items that a company thinks are unusual or non-recurring.
- Includes all changes in equity during a period except those resulting from investments by shareholders and distributions to shareholders
- Pro forma income
- Comprehensive income

Match each of the following terms with the phrase that best describes it. Comprehensive income Vertical analysis Quality of earnings Pro forma income Solvency ratio **Discontinued operations**

- Indicates the level of full and transparent 4. Quality of information provided to users of the financial earnings statements.
- The disposal of a significant component of the 5. Discontinued business. operations
- 6. Expresses each item within a financial statement as a percentage of a base amount. analysis

Vertical

Key Points

Learning Objective 8 Compare financial statement analysis and income statement presentation under IFRS and U.S. GAAP.

- The tools of financial statement analysis covered in this chapter are universal and therefore no significant differences exist in the analysis methods used.
- The basic objectives of the income statement are the same under both GAAP and IFRS. As indicated in the textbook, a very important objective is to ensure that users of the income statement can evaluate the earning power of the company. Earning power is the normal level of income to be obtained in the future. Thus, both the IASB and the FASB are interested in distinguishing normal levels of income from unusual items in order to better predict a company's future profitability.
- The basic accounting for discontinued operations is the same under GAAP and IFRS.
- The accounting for changes in accounting principles and changes in accounting estimates are the same for both GAAP and IFRS.

Key Points

 Both IFRS and GAAP follow the same approach in reporting comprehensive income. The statement of comprehensive income can be prepared under the one-statement approach or the two-statement approach. Under the one-statement approach, all components of revenue and expense are reported in a statement of income. This combined statement of comprehensive income first computes net income or loss, which is then followed by components of other comprehensive income or loss items to arrive at comprehensive income.

Under the two-statement approach, all the components of revenues and expenses are reported in a traditional income statement except for other comprehensive income or loss. In addition, a second statement (the comprehensive income statement) is then prepared, starting with net income and followed by other comprehensive income or loss items to arrive at comprehensive income.

Key Points

• The issues related to quality of earnings are the same under both GAAP and IFRS. It is hoped that by adopting a more principles-based approach, as found in IFRS, many of the earnings quality issues will disappear.

Looking to the Future

The FASB and the IASB are working on a project that would rework the structure of financial statements. One part of this project addresses the issue of how to classify various items in the income statement. A main goal of this new approach is to provide information that better represents how businesses are run. In addition, the approach draws attention away from one number–net income.

GAAP Self-Test Questions

The basic tools of financial analysis are the same under both GAAP and IFRS except that:

- a) horizontal analysis cannot be done because the format of the statements is sometimes different.
- b) analysis is different because vertical analysis cannot be done under GAAP.
- c) the current ratio cannot be computed because current liabilities are often reported before current assets in GAAP statements of position.



None of the above.

GAAP Self-Test Questions

Under GAAP:

- a) the reporting of discontinued items is different than IFRS.
- b) the reporting of other comprehensive income is prohibited.
- c) the reporting of changes in accounting principles is different than under IFRS.
- d) None of the above.

GAAP Self-Test Questions

Presentation of comprehensive income must be reported under GAAP in:

- a) the statement of stockholders' equity.
- b) the income statement before net income.
- c) the notes to the financial statements.
- d) a statement of comprehensive income.

"Copyright © 2016 John Wiley & Sons, Inc. All rights reserved." Reproduction or translation of this work beyond that permitted in Section 117 of the 1976 United States Copyright Act without the express written permission of the copyright owner is unlawful. Request for further information should be addressed to the Permissions Department, John Wiley & Sons, Inc. The purchaser may make back-up copies for his/her own use only and not for distribution or resale. The Publisher assumes no responsibility for errors, omissions, or damages, caused by the use of these programs or from the use of the information contained herein."