Financial Statement Analysis

Chapter I4 – Part II

Ratio Analysis

- 1. Compute and interpret financial ratios that managers use to assess liquidity.
- 2. Compute and interpret financial ratios that managers use for asset management purposes.
- 3. Compute and interpret financial ratios that managers use for debt management purposes.
- 4. Compute and interpret financial ratios that managers use to assess profitability.
- 5. Compute and interpret financial ratios that managers use **to assess market performance.**

Norton Balance Sheet – Part I

NORTON CORPORATION					
Balance Sheets					
December 3	1				
	This Year	Last Year			
Assets					
Current assets:					
Cash	\$ 30,000	\$ 20,000			
Accounts receivable, net 20,000 17,00					
Inventory	ory 12,000 10,000				
Prepaid expenses 3,000 2,00					
Total current assets	65,000 49,000				
Property and equipment:					
Land	165,000 123,000				
Buildings and equipment, net	116,390	128,000			
Total property and equipment 281,390 251,000					
Total assets \$ 346,390 \$ 300,000					

Norton Balance Sheet – Part 2

NORTON CORPORATION			
Balance Sheets			
December 31			
	This Year	Last Year	
Liabilities and Stockholders' Equity			
Current liabilities:			
Accounts payable	\$ 39,000	\$ 40,000	
Notes payable, short-term	3,000	2,000	
Total current liabilities	42,000	42,000	
Long-term liabilities:			
Notes payable, long-term	70,000	78,000	
Total liabilities	112,000	120,000	
Stockholders' equity:			
Common stock, \$1 par value	27,400	17,000	
Additional paid-in capital	158,100	113,000	
Total paid-in capital	185,500	130,000	
Retained earnings	48,890	50,000	
Total stockholders' equity	234,390	180,000	
Total liabilities and stockholders' equity	\$ 346,390	\$ 300,000	

Norton Income Statement

NORTON CORPORATION	
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Income Statements

For the Years Ended December 31

	This Year	Last Year
Sales	\$ 494,000	\$ 450,000
Cost of goods sold	140,000	127,000
Gross margin	354,000	323,000
Operating expenses	270,000	249,000
Net operating income	84,000	74,000
Interest expense	7,300	8,000
Net income before taxes	76,700	66,000
Less income taxes (30%)	23,010	19,800
Net income	\$ 53,690	\$ 46,200

Learning Objective 2

Compute and interpret financial ratios that managers use to assess liquidity.

Liquidity refers to *how quickly an asset can be converted to cash*.

Liquid assets can be converted to cash quickly, whereas ill-liquid assets cannot.

Ratio Analysis – Liquidity

The data and ratios that managers use to assess liquidity include:

- working capital,
- the current ratio,
- and the acid-test (quick) ratio.

The information shown for Norton Corporation will be used to calculate the aforementioned liquidity ratios.

NORTON CORPORATION		
This Year		
Cash	\$	30,000
Accounts receivable, net		20,000
Total current assets		65,000
Total current liabilities		42,000

Working Capital – Part I

The excess of current assets over current liabilities is known as working capital.

Working capital is not free. It must be financed with longterm debt and equity.

Working Capital – Part 2

	December 31 This Year		
Current assets	\$	65,000	
Current liabilities		(42,000)	
Working capital	\$	23,000	

Current Ratio – Part I

Current=Current AssetsRatio=Current Liabilities

The current ratio measures a company's short-term debt paying ability.

A declining ratio may be a sign of deteriorating financial condition, or it might result from eliminating obsolete inventories.

Current Ratio – Part 2

Current _	Current Assets	
Ratio –	Current Liabilities	

Current	_	<u>\$65,000</u>	_	1 55
Ratio	-	\$42,000		1.55

Acid-Test (Quick) Ratio



Quick assets include Cash, Marketable Securities, Accounts Receivable, and current Notes Receivable. This ratio measures a company's ability to meet obligations without having to liquidate inventory.

Norton Balance Sheet – Part I

NORTON CORPORATION				
Balance Sheets				
December 31				
	This Year	Last Year		
Assets				
Current assets:				
Cash	\$ 30,000	\$ 20,000		
Accounts receivable, net	20,000	17,000		
Inventory	12,000 10,000			
Prepaid expenses	3,000	2,000		
Total current assets	65,000	49,000		
Property and equipment:				
Land	165,000	123,000		
Buildings and equipment, net	116,390	128,000		
Total property and equipment	281,390	251,000		
Total assets \$ 346,390 \$ 300,000				

Learning Objective 3

Compute and interpret financial ratios that managers use for asset management purposes.

A company's assets are funded by lenders and stockholders, both of whom expect those assets to be deployed efficiently and effectively.

Ratio Analysis – Asset Management

Managers compute a variety of ratios for asset management purposes. The information shown for Norton Corporation will be used to calculate the asset management ratios.

Note: You may also use information provided in an earlier slide for these computations.

NORTON CORPORATION		
This Year		
Accounts receivable, net		
Beginning of year	17,000	
End of year	20,000	
Inventory		
Beginning of year	10,000	
End of year	12,000	
Total assets		
Beginning of year	300,000	
End of year	346,390	
Sales on account	494,000	
Cost of goods sold	140,000	

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Norton Balance Sheet – Part I

NORTON CORPORATION				
Balance Sheets				
December 31				
	This Year	Last Year		
Assets				
Current assets:				
Cash	\$ 30,000	\$ 20,000		
Accounts receivable, net	20,000	17,000		
Inventory	12,000 10,000			
Prepaid expenses	3,000	2,000		
Total current assets	65,000	49,000		
Property and equipment:				
Land	165,000	123,000		
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Total property and equipment	281,390	251,000		
Total assets \$ 346,390 \$ 300,000				

Norton Income Statement

Income Statements

For the Years Ended December 31

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Net income	\$ 53,690	\$ 46,200

Accounts Receivable Turnover

Accounts Receivable Turnover	=	Sales on Account Average Accounts Receivable
Accounts Receivable Turnover	=	$\frac{\$494,000}{(\$17,000 + \$20,000) \div 2} = 26.7 \text{ times}$

This ratio measures how many times a company converts its receivables into cash each year.

Average Collection Period



This ratio measures, on average, how many days it takes to collect an account receivable.

Inventory Turnover – Part I

Inventory Turnover = Cost of Goods Sold Average Inventory

This ratio measures how many times a company's inventory has been sold and replaced during the year.

If a company's inventory turnover is less than its industry average, it either has excessive inventory or the wrong sorts of inventory.

Inventory Turnover – Part 2

Inventory turnover measures how many times a company's inventory has been sold and replaced during the year.

Inventory Turnover = Cost of Goods Sold Average Inventory

Inventory Turnover = $\frac{\$140,000}{(\$10,000 + \$12,000) \div 2} = 12.73$ times

Average Sale Period

Average = <u>365 Days</u> Sale Period = Inventory Turnover

Average = $\frac{365 \text{ Days}}{12.73 \text{ Times}}$ = 28.67 days

This ratio measures how many days, on average, it takes to sell the entire inventory.

Operating Cycle – Part I

Average Sale Period + Average + Collection Period Operating Cycle

This ratio measures the elapsed time from when inventory is received from suppliers to when cash is received from customers.

Operating Cycle – Part 2



This ratio measures the elapsed time from when inventory is received from suppliers to when cash is received from customers.

Total Asset Turnover – Part 1

Total Asset = Sales Turnover = Average Total Assets

This ratio measures how efficiently a company's assets are being used to generate sales. <u>This ratio expands</u> beyond current assets to include <u>noncurrent assets.</u>

Norton Balance Sheet – Part I

NORTON CORPORATION		
Balance Sheets		
December 3	1	
	This Year	Last Year
Assets		
Current assets:		
Cash	\$ 30,000	\$ 20,000
Accounts receivable, net	20,000	17,000
Inventory	12,000	10,000
Prepaid expenses	3,000	2,000
Total current assets	65,000	49,000
Property and equipment:		
Land	165,000	123,000
Buildings and equipment, net	116,390	128,000
Total property and equipment	281,390	251,000
Total assets	\$ 346,390	\$ 300,000

Norton Income Statement

Income Statements

For the Years Ended December 31

	This Year	Last Year
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Cost of goods sold	140,000	127,000
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Net income before taxes	76,700	66,000
Less income taxes (30%)	23,010	19,800
Net income	\$ 53,690	\$ 46,200

Total Asset Turnover – Part 2

Total Asset
Turnover=Sales
Average Total Assets

Total Asset Turnover = $\frac{$494,000}{($300,000 + $346,390) \div 2} = 1.53$

Learning Objective 4

Compute and interpret financial ratios that managers use for <u>debt</u> management purposes.

Management need to evaluate their company's debt management choices from the vantage point of two stakeholders: long-term creditors and common stockholders.

Long-term creditors are concerned with a company's ability to repay its loans over the long-run.

Stockholders look at the debt from a financial leverage perspective.

Ratio Analysis – Debt Management

Managers compute a variety of ratios for debt management purposes. The information shown for Norton Corporation will be used to calculate its debt management ratios.

NORTON CORPORATION		
This Year		
Earnings before interest		
expense and income taxes	\$	84,000
Interest expense		7,300
Stockholders' equity		
Beginning of year		180,000
End of year		234,390
Total liabilities		112,000

Note: You may also use information provided in an earlier slide for these computations.

This is also

referred to as net

operating income.

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Norton Balance Sheet – Part 2

NORTON CORPORATION		
Balance Sheets		
December 31		
	This Year	Last Year
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 39,000	\$ 40,000
Notes payable, short-term	3,000	2,000
Total current liabilities	42,000	42,000
Long-term liabilities:		
Notes payable, long-term	70,000	78,000
Total liabilities	112,000	120,000
Stockholders' equity:		
Common stock, \$1 par value	27,400	17,000
Additional paid-in capital	158,100	113,000
Total paid-in capital	185,500	130,000
Retained earnings	48,890	50,000
Total stockholders' equity	234,390	180,000
Total liabilities and stockholders' equity	\$ 346,390	\$ 300,000

Norton Income Statement

Income Statements

For the Years Ended December 31

	This Year	Last Year
Sales	\$ 494,000	\$ 450,000
Cost of goods sold	140,000	127,000
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Operating expenses	270,000	249,000
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Net income before taxes	76,700	66,000
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Net income	\$ 53,690	\$ 46,200

Times Interest Earned Ratio

Times	Earnings before Interest Expense		
Interest =	and Income Taxes		
Earned	Interest Expense		
Times Interest = Earned	<u>\$84,000</u> = 11.51 times		

This is the most common measure of a company's ability to provide protection for its long-term creditors. A ratio of less than 1.0 is inadequate.

Debt-to-Equity Ratio – Part I

Debt–to– Equity = <u>Total Liabilities</u> Ratio

This ratio indicates the relative proportions of debt to equity on a company's balance sheet.

Stockholders like a lot of debt if the company's rate of return on its assets exceeds the rate of return paid to creditors.

Creditors prefer less debt and more equity because equity represents a buffer of protection.

Norton Balance Sheet – Part 2

NORTON CORPORATION		
Balance Sheets		
December 31		
	This Year	Last Year
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable	\$ 39,000	\$ 40,000
Notes payable, short-term	3,000	2,000
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Common stock, \$1 par value	27,400	17,000
Additional paid-in capital	158,100	113,000
Total paid-in capital	185,500	130,000
Retained earnings	48,890	50,000
Total stockholders' equity	234,390	180,000
Total liabilities and stockholders' equity	\$ 346,390	\$ 300,000

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Debt-to-Equity Ratio – Part 2

Debt-to- Equity = Ratio	Total Liabilities Stockholders' Equity	
Debt–to– Equity = Ratio	<u>\$112,000</u> \$234,390	= 0.48

The Equity Multiplier – Part I

Equity Multiplier = Average Total Assets Average Stockholders' Equity

This ratio indicates the portion of a company's assets that are funded by equity. It focuses on average amounts maintained throughout the year rather than amounts at one point in time.

Norton Balance Sheet – Part I

NORTON CORPORATION			
Balance Sheets			
December 3	51		
This Year Last Yea			
Assets			
Current assets:			
Cash	\$ 30,000	\$ 20,000	
Accounts receivable, net	20,000	17,000	
Inventory	12,000	10,000	
Prepaid expenses	3,000	2,000	
Total current assets	65,000	49,000	
Property and equipment:			
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Total property and equipment	281,390	251,000	
Total assets	\$ 346,390	\$ 300,000	

Norton Balance Sheet – Part 2

NORTON CORPORATION			
Balance Sheets			
December 31			
	This Year	Last Year	
Liabilities and Stockholders' Equity			
Current liabilities:			
Accounts payable	\$ 39,000	\$ 40,000	
Notes payable, short-term	3,000	2,000	
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Long-term liabilities:			
Notes payable, long-term	70,000	78,000	
Total liabilities	112,000	120,000	
Stockholders' equity:			
Common stock, \$1 par value	27,400	17,000	
Additional paid-in capital	158,100	113,000	
Total paid-in capital	185,500	130,000	
Retained earnings	48,890	50,000	
Total stockholders' equity	234,390	180,000	
Total liabilities and stockholders' equity	\$ 346,390	\$ 300,000	

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The Equity Multiplier – Part 2

Equity = Average Total Assets Multiplier = Average Stockholders' Equity

Equity
Multiplier =
$$\frac{(\$300,000 + \$346,390) \div 2}{(\$180,000 + \$234,390) \div 2} = 1.56$$

This ratio indicates the portion of a company's assets that are funded by equity. It focuses on average amounts maintained throughout the year rather than amounts at one point in time.

Learning Objective 5

Compute and interpret financial ratios that managers use to assess <u>profitability</u>.

Managers pay close attention to the amount of profits that their companies earn. However, they tend to focus on ratios related to amounts of profit earned relative to: sales, total assets, or total stockholders' equity.

Ratio Analysis – Profitability Ratios

The information shown for Norton **Corporation will** be used to calculate its profitability ratios.

Note: You may also use information provided in an earlier slide for these computations.

NORTON CORPORATION			
This Year			
Number of common shares			
outstanding			
Beginning of year		17,000	
End of year		27,400	
Tax rate		30%	
Net income	\$	53,690	
Stockholders' equity			
Beginning of year		180,000	
End of year		234,390	
Dividends per share		2	
Dec. 31 market price per share		20	
Interest expense		7,300	
Total assets			
Beginning of year		300,000	
End of year		346,390	

Gross Margin Percentage – Part I

Gross Margin ₌ <u>Gross Margin</u> Percentage Sales

This measure indicates how much of each sales dollar is left after deducting the cost of goods sold to cover expenses and provide a profit.

Norton Income Statement

Income Statements

For the Years Ended December 31

	This Year	Last Year
Sales	\$ 494,000	\$ 450,000
Cost of goods sold	140,000	127,000
Gross margin	354,000	323,000
Operating expenses	270,000	249,000
Net operating income	84,000	74,000
Interest expense	7,300	8,000
Net income before taxes	76,700	66,000
Less income taxes (30%)	23,010	19,800
Net income	\$ 53,690	\$ 46,200

Gross Margin Percentage – Part 2

Gross Margin Percentage <u>Gross Margin</u> Sales

Gross Margin Percentage = <u>\$494,000 - \$140,000</u> = 71.6%

Net Profit Margin Percentage – Part I

Net Profit MarginNet IncomePercentageSales

In addition to cost of goods sold, this ratio also looks at how selling and administrative expenses, interest expense, and income tax expense influence performance.

Norton Income Statement

Income Statements

For the Years Ended December 31

	This Year	Last Year
Sales	\$ 494,000	\$ 450,000
Cost of goods sold	140,000	127,000
Gross margin	354,000	323,000
Operating expenses	270,000	249,000
Net operating income	84,000	74,000
Interest expense	7,300	8,000
Net income before taxes	76,700	66,000
Less income taxes (30%)	23,010	19,800
Net income	\$ 53,690	\$ 46,200

Net Profit Margin Percentage – Part 2

Net Profit Margin _	Net Income
Percentage	Sales

Net Profit Margin = $\frac{$53,690}{$494,000}$ = 10.9%

Return on Total Assets

Return on		Net Income + [Interest Expense (1 – Tax Rate)]
Total Asset	s =	Average Total Assets
Return on Total Assets	= S	$\frac{\$53,690 + [\$7,300 \times (130)]}{(\$300,000 + \$346,390) \div 2} = 18.19\%$
Г	Addi	ng interest expense back to net income

Adding interest expense back to net income enables the return on assets to be compared for companies with different amounts of debt or over time for a single company that has changed its mix of debt and equity.

Return on Equity

Return on Equity = <u>Net Income</u> Average Stockholders' Equity

Return on Equity = $\frac{\$53,690}{(\$180,000 + \$234,390) \div 2} = 25.91\%$

This measure indicates how well the company used the owners' investments to earn income.

DuPont Formula

Return on Equity = Net Profit X Total Asset X Equity Margin Turnover X Multiplier

The return on equity can also be computed using the DuPont Formula shown here.

Financial Leverage

Financial leverage results from the difference between the rate of return the company earns on investments in its own assets and the rate of return that the company must pay its creditors.

Return on investment in > assets	Fixed rate of return on borrowed funds	Positive = financial leverage
Return on investment in < assets	Fixed rate of return on borrowed funds	Negative = financial leverage

Concept Check 2

Which of the following statements is true?

- a. Negative financial leverage is when the fixed return to a company's creditors and preferred stockholders is greater than the return on total assets.
- b. Positive financial leverage is when the fixed return to a company's creditors and preferred stockholders is greater than the return on total assets.
- c. Financial leverage is the expression of several years' financial data in percentage form in terms of a base year.

Concept Check 2a

Which of the following statements is true? a. Negative financial leverage is when the fixed return to a company's creditors and preferred stockholders is greater than the return on total assets.

- b. Positive financial leverage is when the fixed return to a company's creditors and preferred stockholders is greater than the return on total assets.
- c. Financial leverage is the expression of several years' financial data in percentage form in terms of a base year.

Learning Objective 6

Compute and interpret financial ratios that managers use to assess <u>market</u> performance.

Common stockholders use these main ratios to assess a company's performance, given that they are those who own the company and managers need measures to make them judge their performance.

Ratio Analysis – Market Performance

The information shown for Norton **Corporation will** be used to calculate its profitability ratios.

NORTON CORPORATION		
This Year		
Number of common shares		
outstanding		
Beginning of year	17,000	
End of year	27,400	
Stockholders' equity	234,390	
Dividends per share 2		
Dec. 31 market price per share 20		

Note: You may also use information provided in an earlier slide for these computations.

Earnings Per Share – Part I

Earnings per Share =

Net Income Average Number of Common Shares Outstanding

Whenever a ratio divides an income statement balance by a balance sheet balance, the average for the year is used in the denominator.

Earnings form the basis for dividend payments and future increases in the value of shares of stock.

Earnings Per Share – Part 2

Earnings per Share = Net Income Average Number of Common Shares Outstanding

Earnings per Share = $\frac{\$53,690}{(\$17,000 + \$27,400) \div 2} = \2.42

This measure indicates how much income was earned for each share of common stock outstanding.

Price-Earnings Ratio

Price-Earnings = <u>Market Price Per Share</u> Ratio = Earnings Per Share

 $\begin{array}{rcl} \text{Price-Earnings} \\ \text{Ratio} \end{array} = & \frac{\$20.00}{\$2.42} & = 8.26 \text{ times} \end{array}$

A higher price-earnings ratio means that investors are willing to pay a premium for a company's stock because of optimistic future growth prospects.

Dividend Payout Ratio – Part I

Dividend = Dividends Per Share Payout Ratio = Earnings Per Share

Dividend	=	\$2.00	- 07 60/
Payout Ratio		\$2.42	= 02.0%

This ratio gauges the portion of current earnings being paid out in dividends. Investors seeking dividends (market price growth) would like this ratio to be large (small).

Dividend Yield Ratio – Part 2

Dividend	=	Dividends Per Share
Yield Ratio		Market Price Per Share

Dividend	=	<u>\$2.00</u>	_ 10 000/
Yield Ratio		\$20.00	= 10.00%

This ratio identifies the return, in terms of cash dividends, on the current market price of the stock.

Book Value Per Share – Part I

Book Value per Share	=	Common Stockholders' Equity Number of Common Shares Outstanding	
Book Value per Share	=	$\frac{\$234,390}{27,400} = \8.55	

This ratio measures the amount that would be distributed to holders of each share of common stock if all assets were sold at their balance sheet carrying amounts after all creditors were paid off.

Book Value Per Share – Part 2

Book Value per Share	=	Common Stockholders' Equity Number of Common Shares Outstanding	
Book Value per Share	=	$\frac{\$234,390}{27,400} = \8.55	

Notice that the book value per share of \$8.55 does not equal the market value per share of \$20. This is because the market price reflects expectations about future earnings and dividends, whereas the book value per share is based on historical cost.

Ratio	Formula	Significance
Liquidity:		
Working capital	Current assets – Current liabilities	Measures the company's ability to repay current liabil- ities using only current assets
Current ratio	Current assets ÷ Current liabilities	Test of short-term debt-paying ability
Acid-test ratio	(Cash + Marketable securities + Accounts receivable + Short-term notes receivable) ÷ Current liabilities	Test of short-term debt-paying ability without having to rely on inventory
Asset Management:		
Accounts receivable turnover	Sales on account ÷ Average accounts receivable balance	Measures how many times a company's accounts receiv- able have been turned into cash during the year
Average collection period	365 days ÷ Accounts receivable turnover	Measures the average number of days taken to collect an account receivable
Inventory turnover	Cost of goods sold ÷ Average inventory balance	Measures how many times a company's inventory has been sold during the year
Average sale period	365 days ÷ Inventory turnover	Measures the average number of days taken to sell the inventory one time
Operating cycle	Average sale period + Average collection period	Measures the elapsed time from when inventory is received from suppliers to when cash is received from customers
Total asset turnover	Sales ÷ Average total assets	Measures how efficiently assets are being used to generate sales
Debt Management:		
Times interest earned ratio	Earnings before interest expense and income taxes ÷ Interest expense	Measures the company's ability to make interest payments
Debt-to-equity ratio	Total liabilities ÷ Stockholders' equity	Measures the amount of assets being provided by creditors for each dollar of assets being provided by the stockholders
Equity multiplier	Average total assets ÷ Average stockholders' equity	Measures the portion of a company's assets funded by equity
Profitability:		
Gross margin percentage	Gross margin ÷ Sales	Measures profitability before selling and administra- tive expenses
Net profit margin percentage	Net income ÷ Sales	A broad measure of profitability
Return on total assets	{Net income + [Interest expense × (1 - Tax rate)]] ÷ Average total assets	Measures how well assets have been employed by management
Return on equity	Net income ÷ Average stockholders' equity	When compared to the return on total assets, mea- sures the extent to which financial leverage is working for or against common stockholders
Market Performance:		
Earnings per share	Net income ÷ Average number of common shares outstanding	Affects the market price per share, as reflected in the price-earnings ratio
Price-earnings ratio	Market price per share ÷ Earnings per share	An index of whether a stock is relatively cheap or rel- atively expensive in relation to current earnings
Dividend payout ratio	Dividends per share ÷ Earnings per share	An index showing whether a company pays out most of its earnings in dividends or reinvests the earn- ings internally
Dividend yield ratio	Dividends per share ÷ Market price per share	Shows the return in terms of cash dividends being provided by a stock
Book value per share	Total stockholders' equity ÷ Number of common shares outstanding	Measures the amount that would be distributed to common stockholders if all assets were sold at their balance sheet carrying amounts and if all creditors were paid off

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Published Sources That Provide Comparative Ratio Data (1 of 2)

Sources of Financial Ratios

Source	Content
Almanac of Business and Industrial Financial Ratios, Aspen Publishers; published annually	An exhaustive source that contains common-size income statements and financial ratios by industry and by the size of companies within each industry.
AMA Annual Statement Studies, Risk Management Association: published annually	A widely used publication that contains common-size statements and financial ratios on individual companies; the companies are arranged by industry.
EDGAR, Securities and Exchange Commission; website that is continually updated; <u>www.sec.gov</u>	An exhaustive Internet database that contains reports filed by companies with the SEC; these reports can be downloaded
<i>Hoover's Online,</i> Hoovers, Inc.; website that is continually updated; <u>www.hoovers.com</u>	A site that provides capsule profiles for 10,000 U.S. companies with links to company websites, annual reports, stock charts, news articles, and industry information.

Published Sources That Provide Comparative Ratio Data (2 of 2)

Source	Content
Industry Norms & Key Business Ratios, Dun & Bradstreet; published annually	Fourteen commonly used financial ratios are computed for over 800 major industry groupings
Mergent Industrial Manual and Mergent Bank and Finance Manual; published annually	An exhaustive source that contains financial ratios on all companies listed on the New York Stock Exchange, the American Stock Exchange, and regional American exchanges.
Standard & Poor's Industry Survey, Standard & Poor's; published annually	Various statistics, including some financial ratios, are given by industry and for leading companies within each industry grouping.