

# Financial Accounting



**John J. Wild**  
**Sixth Edition**



# Chapter 13

## Analyzing and Interpreting Financial Statements

# Conceptual Learning Objectives

- C1:** Explain the purpose and identify the building blocks of analysis.
- C2:** Describe standards for comparisons in analysis.

# Analytical Learning Objectives

- A1:** Summarize and report results of analysis.
- A2: Appendix 13A** – Explain the form and assess the content of a complete income statement (see text for details).

# Procedural Learning Objectives

- P1:** Explain and apply methods of horizontal analysis.
- P2:** Describe and apply methods of vertical analysis.
- P3:** Define and apply ratio analysis.

C1

# Building Blocks of Analysis



# Standards for Comparison

When interpreting measures, we need to decide whether the measures indicate good, bad, or average performance. We can use the following to make that judgment:

- Intracompany
- Competitor
- Industry
- Guidelines (rule of thumb)



# Tools of Analysis

## Horizontal Analysis

Comparing a company's financial condition and performance across time.

## Vertical Analysis

Comparing a company's financial condition and performance to a base amount.

Measurement of key relations between financial statement items

**Ratio Analysis**





# Comparative Statements



## Calculate Change in Dollar Amount

**Dollar change**

=

**Analysis period amount**

-

**Base period amount**



Since we are measuring the amount of the change between 2011 and 2010, the dollar amounts for **2010** become the “**base**” period amounts.

## Calculate Change as a Percent

**Percent change**

=

**Dollar change**  
**Base period amount**

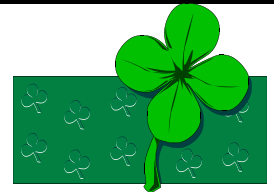
×

**100**

# CLOVER CORPORATION

## Comparative (partial) Balance Sheet

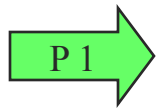
### December 31, 2011



	2011	2010	Dollar Change	Percent Change*
<b>Assets</b>				
<b>Current assets:</b>				
Cash and equivalents	\$ 12,000	\$ 23,500	\$ (11,500)	(48.9)
Accounts receivable, net	60,000	40,000		
Inventory	80,000	100,000		
Prepaid expenses	3,000	1,200	1,800	
<b>Total current assets</b>	<b>\$ 155,000</b>	<b>\$ 164,700</b>	<b>\$12,000 – \$23,500 = \$(11,500)</b>	
<b>Property and equipment:</b>				
Land	40,000	40,000		0.0
Buildings and equipment, net	120,000	85,000		
<b>Total property and equipment</b>	<b>\$ 160,000</b>	<b>\$ 125,000</b>		
<b>Total assets</b>	<b>\$ 315,000</b>	<b>\$ 289,700</b>		

\* Percent rounded to first decimal point.

$$(\$11,500 \div \$23,500) \times 100 = 48.9\%$$



**CLOVER CORPORATION**  
**Comparative (Partial) Balance Sheet**  
**December 31, 2011**



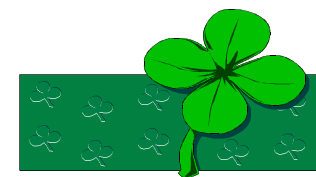
	2011	2010	Dollar Change	Percent Change*
<b>Assets</b>				
<b>Current assets:</b>				
Cash and equivalents	\$ 12,000	\$ 23,500	\$ (11,500)	(48.9)
Accounts receivable, net	60,000	40,000	20,000	50.0
Inventory	80,000	100,000	(20,000)	(20.0)
Prepaid expenses	3,000	1,200	1,800	150.0
<b>Total current assets</b>	<b>\$ 155,000</b>	<b>\$ 164,700</b>	<b>\$ (9,700)</b>	<b>(5.9)</b>
<b>Property and equipment:</b>				
Land	40,000	40,000	-	0.0
Buildings and equipment, net	120,000	85,000	35,000	41.2
<b>Total property and equipment</b>	<b>\$ 160,000</b>	<b>\$ 125,000</b>	<b>\$ 35,000</b>	<b>28.0</b>
<b>Total assets</b>	<b>\$ 315,000</b>	<b>\$ 289,700</b>	<b>\$ 25,300</b>	<b>8.7</b>

\* Percent rounded to first decimal point.

# CLOVER CORPORATION

## Comparative Income Statements

### For the Years Ended December 31, 2011



	2011	2010	Dollars Change	Percent Change
<b>Revenues</b>	<b>\$520,000</b>	<b>\$480,000</b>	<b>\$40,000</b>	<b>8.3%</b>
<b>Costs and expenses:</b>				
<b>Cost of sales</b>	<b>360,000</b>	<b>315,000</b>	<b>45,000</b>	<b>14.3</b>
<b>Selling and admin.</b>	<b>128,600</b>	<b>126,000</b>	<b>2,600</b>	<b>2.1</b>
<b>Interest expense</b>	<b>6,400</b>	<b>7,000</b>	<b>(600)</b>	<b>(8.6)</b>
<b>Income before taxes</b>	<b>25,000</b>	<b>32,000</b>	<b>(7,000)</b>	<b>(21.9)</b>
<b>Income taxes (30%)</b>	<b>7,500</b>	<b>9,600</b>	<b>(2,100)</b>	<b>(21.9)</b>
<b>Net income</b>	<b>\$17,500</b>	<b>\$22,400</b>	<b>(\$4,900)</b>	<b>(21.9)</b>
<b>Net income per share</b>	<b>\$0.79</b>	<b>\$1.01</b>		
<b>Avg. # common shares</b>	<b>22,200</b>	<b>22,200</b>		

**Percent changes rounded to first decimal point.**

P1

# Trend Analysis

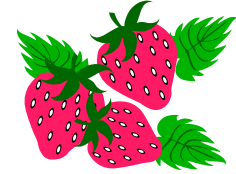


**Trend analysis** is used to reveal patterns in data covering successive periods.

$$\text{Trend percent} = \frac{\text{Analysis period amount}}{\text{Base period amount}} \times 100$$

# Trend Analysis

## Berry Products Income Information For the Years Ended December 31,

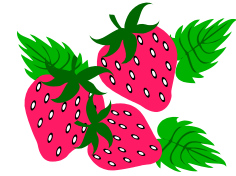


Item	2011	2010	2009	2008	2007
Revenues	\$ 400,000	\$ 355,000	\$ 320,000	\$ 290,000	\$ 275,000
Cost of sales	285,000	250,000	225,000	198,000	190,000
Gross profit	115,000	105,000	95,000	92,000	85,000

**2007 is the base period so its amounts will equal 100%.**

# Trend Analysis

## Berry Products Income Information For the Years Ended December 31,



Item	2011	2010	2009	2008	2007
Revenues	\$ 400,000	\$ 355,000	\$ 320,000	\$ 290,000	\$ 275,000
Cost of sales	285,000	250,000	225,000	198,000	190,000
Gross profit	115,000	105,000	95,000	92,000	85,000

Item	2011	2010	2009	2008	2007
Revenues				105%	100%
Cost of sales				104%	100%
Gross profit				108%	100%

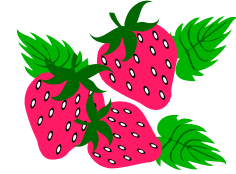
$$(290,000 \div 275,000) \times 100\% = 105\%$$

$$(198,000 \div 190,000) \times 100\% = 104\%$$

$$(92,000 \div 85,000) \times 100\% = 108\%$$

# Trend Analysis

## Berry Products Income Information For the Years Ended December 31,



Item	2011	2010	2009	2008	2007
Revenues	\$ 400,000	\$ 355,000	\$ 320,000	\$ 290,000	\$ 275,000
Cost of sales	285,000	250,000	225,000	198,000	190,000
Gross profit	115,000	105,000	95,000	92,000	85,000

Item	2011	2010	2009	2008	2007
Revenues	145%	129%	116%	105%	100%
Cost of sales	150%	132%	118%	104%	100%
Gross profit	135%	124%	112%	108%	100%

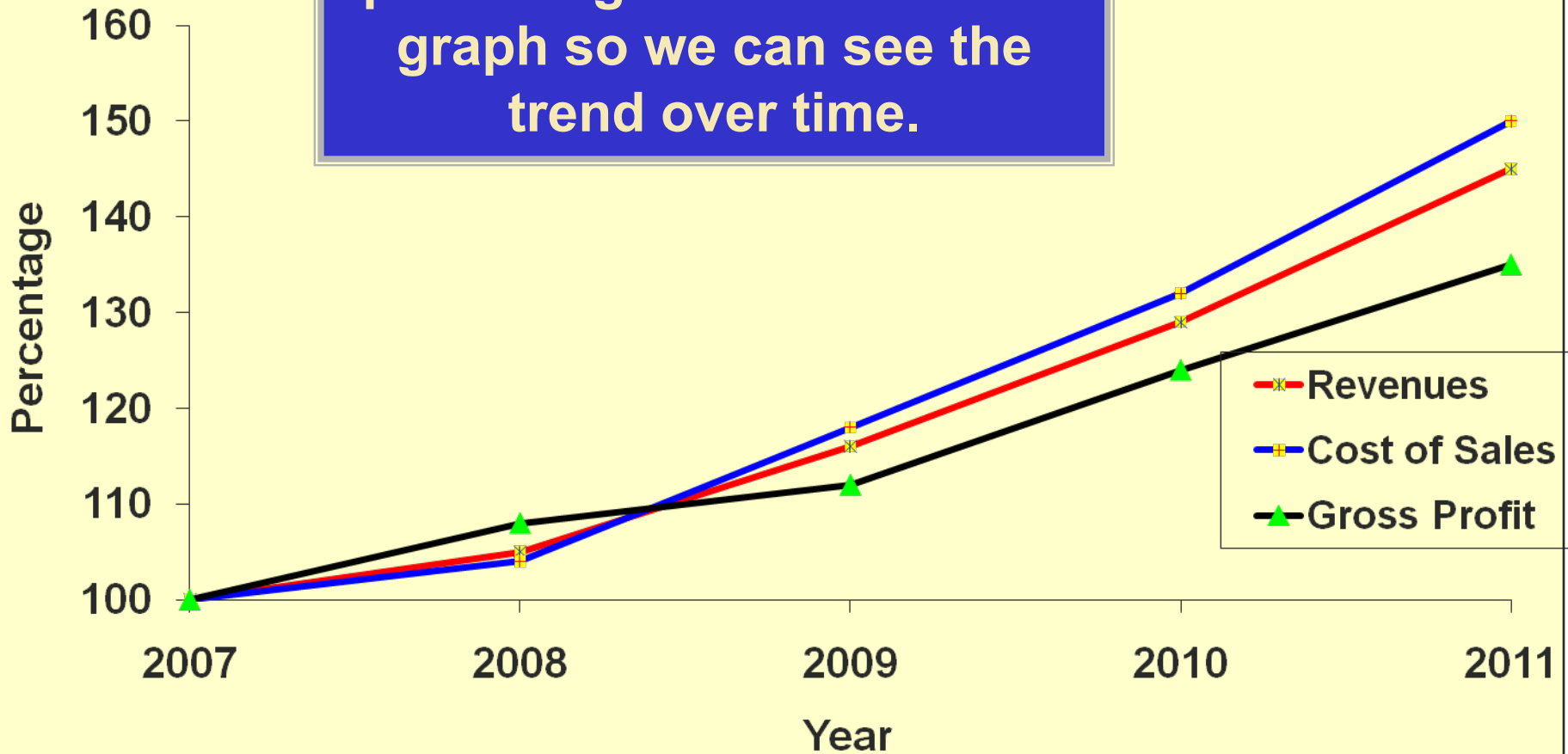
How would this trend analysis  
look on a **line graph**?



P1

# Trend Analysis

We can use the trend percentages to construct a graph so we can see the trend over time.



# Common-Size Statements

## Calculate Common-Size Percent

**Common-size  
percent**

=

**Analysis amount  
Base amount**

×

**100**

**Financial Statement**

**Base Amount**

**Balance Sheet**

**Total Assets**

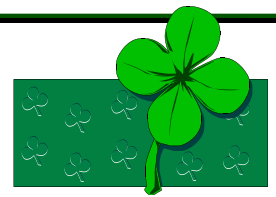
**Income Statement**

**Revenues**

# CLOVER CORPORATION

## Comparative (Partial) Balance Sheet

### December 31, 2011



### Common-Size Percents\*

2011      2010

### Assets

#### Current assets:

Cash and equivalents

\$ 12,000      \$ 23,500      3.8%      8.1%

Accounts receivable, net

60,000      40,000

Inventory

80,000      100,000

Prepaid expenses

3,000      1,200

Total current assets

\$ 155,000      \$ 164,700

$$(\$12,000 \div \$315,000) \times 100 = 3.8\%$$

#### Property and equipment:

Land

40,000      40,000

Buildings and equipment, net

120,000      85,000

Total property and equipment

\$ 160,000      \$ 125,000

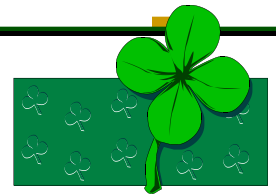
$$(\$23,500 \div \$289,700) \times 100 = 8.1\%$$

Total assets

\$ 315,000      \$ 289,700

\* Percent rounded to first decimal point.

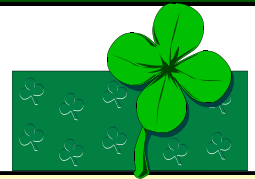
**CLOVER CORPORATION**  
**Comparative (Partial) Balance Sheet**  
**December 31, 2011**



			<b>Common-Size Percents*</b>	
	<b>2011</b>	<b>2010</b>	<b>2011</b>	<b>2010</b>
<b>Assets</b>				
<b>Current assets:</b>				
Cash and equivalents	\$ 12,000	\$ 23,500	3.8%	8.1%
Accounts receivable, net	60,000	40,000	19.0%	13.8%
Inventory	80,000	100,000	25.4%	34.5%
Prepaid expenses	3,000	1,200	1.0%	0.4%
<b>Total current assets</b>	<b>\$ 155,000</b>	<b>\$ 164,700</b>	<b>49.2%</b>	<b>56.9%</b>
<b>Property and equipment:</b>				
Land	40,000	40,000	12.7%	13.8%
Buildings and equipment, net	120,000	85,000	38.1%	29.3%
<b>Total property and equipment</b>	<b>\$ 160,000</b>	<b>\$ 125,000</b>	<b>50.8%</b>	<b>43.1%</b>
<b>Total assets</b>	<b>\$ 315,000</b>	<b>\$ 289,700</b>	<b>100.0%</b>	<b>100.0%</b>

\* Percent rounded to first decimal point.

**CLOVER CORPORATION**  
**Comparative (Partial) Balance Sheets**  
**December 31, 2011**



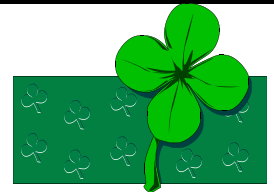
			<b>Common-Size Percents*</b>	
	2011	2010	2011	2010
<b>Liabilities and Shareholders' Equity</b>				
<b>Current liabilities:</b>				
Accounts payable	\$ 67,000	\$ 44,000	21.3%	15.2%
Notes payable	3,000	6,000	1.0%	2.1%
<b>Total current liabilities</b>	<b>\$ 70,000</b>	<b>\$ 50,000</b>	<b>22.2%</b>	<b>17.3%</b>
<b>Long-term liabilities:</b>				
Bonds payable, 8%	75,000	80,000	23.8%	27.6%
<b>Total liabilities</b>	<b>\$ 145,000</b>	<b>\$ 130,000</b>	<b>46.0%</b>	<b>44.9%</b>
<b>Shareholders' equity:</b>				
Preferred stock	20,000	20,000	6.3%	6.9%
Common stock	60,000	60,000	19.0%	20.7%
Additional paid-in capital	10,000	10,000	3.2%	3.5%
<b>Total paid-in capital</b>	<b>\$ 90,000</b>	<b>\$ 90,000</b>	<b>28.6%</b>	<b>31.1%</b>
Retained earnings	80,000	69,700	25.4%	24.1%
<b>Total shareholders' equity</b>	<b>\$ 170,000</b>	<b>\$ 159,700</b>	<b>54.0%</b>	<b>55.1%</b>
<b>Total liabilities and shareholders' equity</b>	<b>\$ 315,000</b>	<b>\$ 289,700</b>	<b>100.0%</b>	<b>100.0%</b>

\* Percent rounded to first decimal point.

# CLOVER CORPORATION

## Comparative Income Statements

### For the Years Ended December 31, 2011

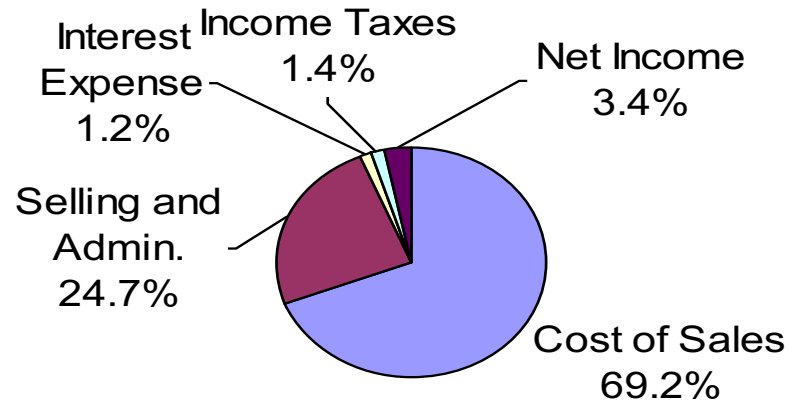


			<b>Common-Size Percents*</b>	
	<b>2011</b>	<b>2010</b>	<b>2011</b>	<b>2010</b>
<b>Revenues</b>	<b>\$ 520,000</b>	<b>\$ 480,000</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Costs and expenses:</b>				
<b>Cost of sales</b>	<b>360,000</b>	<b>315,000</b>	<b>69.2%</b>	<b>65.6%</b>
<b>Selling and admin.</b>	<b>128,600</b>	<b>126,000</b>	<b>24.7%</b>	<b>26.3%</b>
<b>Interest expense</b>	<b>6,400</b>	<b>7,000</b>	<b>1.2%</b>	<b>1.5%</b>
<b>Income before taxes</b>	<b>\$ 25,000</b>	<b>\$ 32,000</b>	<b>4.8%</b>	<b>6.7%</b>
<b>Income taxes (30%)</b>	<b>7,500</b>	<b>9,600</b>	<b>1.4%</b>	<b>2.0%</b>
<b>Net income</b>	<b>\$ 17,500</b>	<b>\$ 22,400</b>	<b>3.4%</b>	<b>4.7%</b>
<b>Net income per share</b>	<b>\$ 0.79</b>	<b>\$ 1.01</b>		
<b>Avg. # common shares</b>	<b>22,200</b>	<b>22,200</b>		

\* Rounded to first decimal point.

# Common-Size Graphics

This is a graphical analysis of Clover Corporation's common-size income statement for 2011.



# Ratio Analysis



**Ratio Analysis**

Let's use the following financial statements for Norton Corporation for our ratio analysis.



**NORTON CORPORATION**  
**Balance Sheet**  
**December 31, 2011**

	2011	2010
<b>Assets</b>		
<b>Current assets:</b>		
Cash	\$ 30,000	\$ 20,000
Accounts receivable, net	20,000	17,000
Inventory	12,000	10,000
Prepaid expenses	3,000	2,000
<b>Total current assets</b>	<b>\$ 65,000</b>	<b>\$ 49,000</b>
<b>Property and equipment:</b>		
Land	165,000	123,000
Buildings and equipment, net	116,390	128,000
<b>Total property and equipment</b>	<b>\$ 281,390</b>	<b>\$ 251,000</b>
<b>Total assets</b>	<b>\$ 346,390</b>	<b>\$ 300,000</b>

**NORTON CORPORATION**  
**Balance Sheet**  
**December 31, 2011**

	2011	2010
<b>Liabilities and Shareholders' Equity</b>		
<b>Current liabilities:</b>		
Accounts payable	\$ 39,000	\$ 40,000
Notes payable, short-term	3,000	2,000
<b>Total current liabilities</b>	<b>\$ 42,000</b>	<b>\$ 42,000</b>
<b>Long-term liabilities:</b>		
Notes payable, long-term	70,000	78,000
<b>Total liabilities</b>	<b>\$ 112,000</b>	<b>\$ 120,000</b>
<b>Shareholders' equity:</b>		
Common stock, \$1 par value	27,400	17,000
Additional paid-in capital	158,100	113,000
<b>Total paid-in capital</b>	<b>\$ 185,500</b>	<b>\$ 130,000</b>
Retained earnings	48,890	50,000
<b>Total shareholders' equity</b>	<b>\$ 234,390</b>	<b>\$ 180,000</b>
<b>Total liabilities and shareholders' equity</b>	<b>\$ 346,390</b>	<b>\$ 300,000</b>

**NORTON CORPORATION**  
**Income Statement**  
**For the Years Ended December 31**

	2011	2010
<b>Revenues</b>	<b>\$ 494,000</b>	<b>\$ 450,000</b>
<b>Cost of sales</b>	<b>140,000</b>	<b>127,000</b>
<b>Gross margin</b>	<b>\$ 354,000</b>	<b>\$ 323,000</b>
<b>Operating expenses</b>	<b>270,000</b>	<b>249,000</b>
<b>Net operating income</b>	<b>\$ 84,000</b>	<b>\$ 74,000</b>
<b>Interest expense</b>	<b>7,300</b>	<b>8,000</b>
<b>Net income before taxes</b>	<b>\$ 76,700</b>	<b>\$ 66,000</b>
<b>Less income taxes (30%)</b>	<b>23,010</b>	<b>19,800</b>
<b>Net income</b>	<b>\$ 53,690</b>	<b>\$ 46,200</b>

# Liquidity and Efficiency

**Current  
Ratio**

**Acid-test  
Ratio**

**Accounts  
Receivable  
Turnover**

**Total Asset  
Turnover**



**Inventory  
Turnover**

**Days' Sales  
Uncollected**

**Days' Sales  
in Inventory**

# Liquidity and Efficiency

**Use this information to calculate the liquidity and efficiency ratios for Norton Corporation.**

<b>NORTON CORPORATION</b>	
<b>2011</b>	
<b>Cash</b>	<b>\$ 30,000</b>
<b>Accounts receivable, net</b>	
Beginning of year	17,000
End of year	20,000
<b>Inventory</b>	
Beginning of year	10,000
End of year	12,000
<b>Total current assets</b>	<b>65,000</b>
<b>Total current liabilities</b>	<b>42,000</b>
<b>Total assets</b>	
Beginning of year	300,000
End of year	346,390
<b>Revenues</b>	<b>494,000</b>
<b>Cost of sales</b>	<b>140,000</b>

# Working Capital

**Working capital** represents current assets financed from long-term capital sources that do not require near-term repayment.

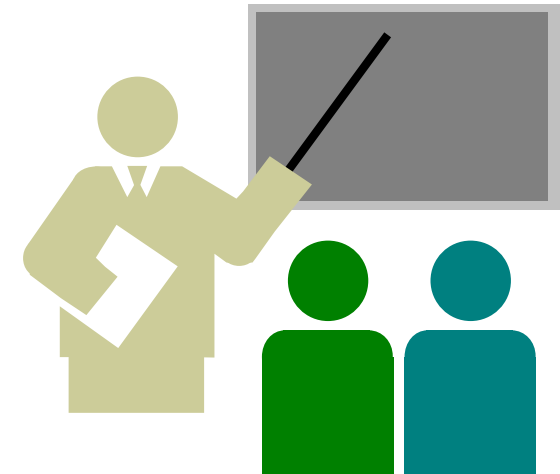
	<b>Dec. 31, 2011</b>
<b>Current assets</b>	<b>\$ 65,000</b>
<b>Current liabilities</b>	<b>(42,000)</b>
<b>Working capital</b>	<b>\$ 23,000</b>

# Current Ratio

$$\text{Current ratio} = \frac{\text{Current assets}}{\text{Current liabilities}}$$

$$\text{Current ratio} = \frac{\$65,000}{\$42,000} = 1.55 : 1$$

This ratio measures the short-term debt-paying ability of the company.



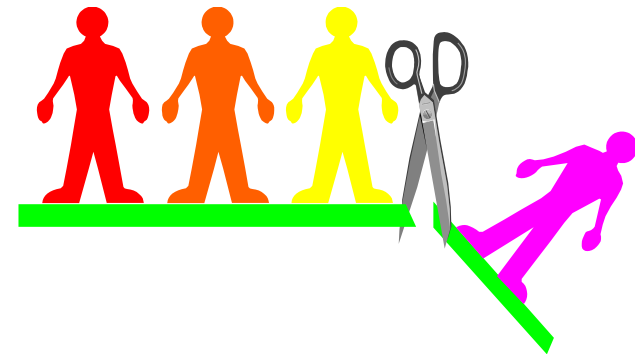
# Acid-Test Ratio

$$\text{Acid-test ratio} = \frac{\text{Quick assets}}{\text{Current liabilities}}$$

Quick assets are **Cash, Short-Term Investments, and Current Receivables.**

$$\text{Acid-test ratio} = \frac{\$50,000}{\$42,000} = 1.19 : 1$$

This ratio is like the current ratio but **excludes** current assets such as inventories and prepaid expenses that may be difficult to quickly convert into cash.



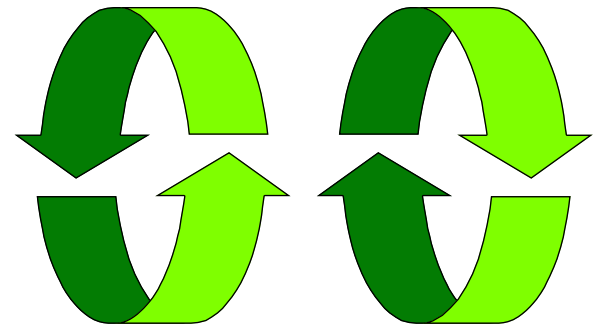


# Accounts Receivable Turnover

$$\text{Accounts receivable turnover} = \frac{\text{Net sales}}{\text{Average accounts receivable/net}}$$

$$\text{Accounts receivable turnover} = \frac{\$494,000}{(\$17,000 + \$20,000) \div 2} = 26.7 \text{ times}$$

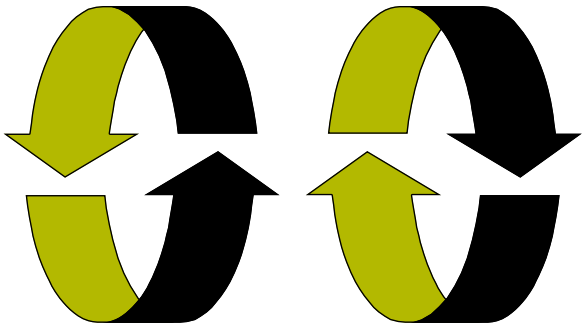
This ratio measures how many times a company converts its receivables into cash each year.



# Inventory Turnover

$$\text{Inventory turnover} = \frac{\text{Cost of goods sold}}{\text{Average inventory}}$$

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



This ratio measures the number of times merchandise is sold and replaced during the year.

# Days' Sales Uncollected

$$\text{Days' sales uncollected} = \frac{\text{A/R, net}}{\text{Net sales}} \times 365$$

$$\text{Days' sales uncollected} = \frac{\$20,000}{\$494,000} \times 365 = 14.8 \text{ days}$$

This ratio measures the liquidity of receivables.



# Days' Sales in Inventory

$$\text{Days' sales in inventory} = \frac{\text{Ending inventory}}{\text{Cost of goods sold}} \times 365$$

$$\text{Days' sales in inventory} = \frac{\$12,000}{\$140,000} \times 365 = 31.29 \text{ days}$$

This ratio measures the liquidity of inventory.

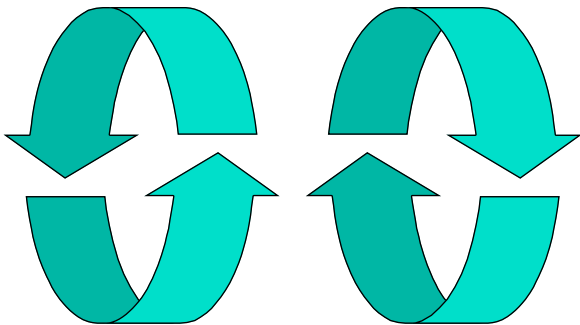


P3

# Total Asset Turnover

$$\text{Total asset turnover} = \frac{\text{Net sales}}{\text{Average total assets}}$$

$$\text{Total asset turnover} = \frac{\$494,000}{(\$300,000 + \$346,390) \div 2} = 1.53 \text{ times}$$



This ratio measures the efficiency of assets in producing sales.

P3

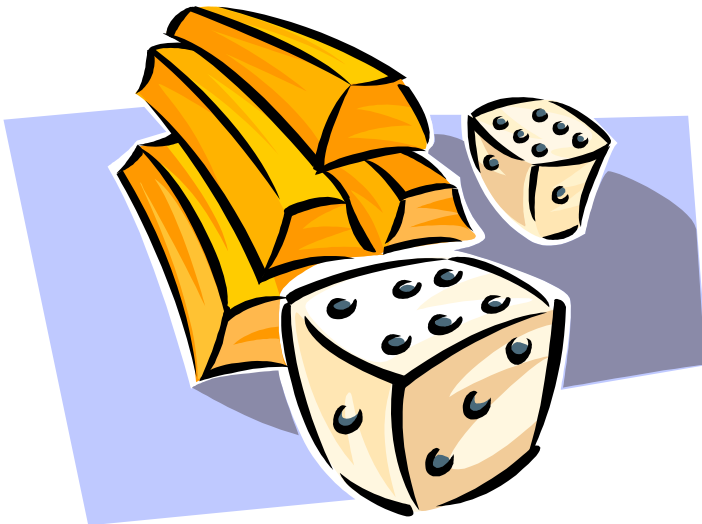
# Solvency

**Debt  
Ratio**

**Equity  
Ratio**



**Pledged Assets  
to Secured  
Liabilities**



**Times  
Interest  
Earned**

# Solvency

Use this information to calculate the solvency ratios for Norton Corporation.

## NORTON CORPORATION

2011

<b>Net income before interest expense and income taxes</b>	<b>\$</b>	<b>84,000</b>
<b>Interest expense</b>		<b>7,300</b>
<b>Total shareholders' equity</b>		<b>234,390</b>
<b>Total liabilities</b>		<b>112,000</b>
<b>Total assets</b>		<b>346,390</b>

# Debt Ratio

$$\text{Debt ratio} = \frac{\text{Total liabilities}}{\text{Total assets}}$$

$$\text{Debt ratio} = \frac{\$112,000}{\$346,390} = 32.3\%$$

This ratio measures what portion of a company's assets are contributed by **creditors**.





# Equity Ratio

$$\text{Equity ratio} = \frac{\text{Total equity}}{\text{Total assets}}$$

$$\text{Equity ratio} = \frac{\$234,390}{\$346,390} = 67.7\%$$

This ratio measures what portion of a company's assets are contributed by **owners**.



# Debt-to-Equity Ratio

**Debt-to-  
equity-  
ratio**

$$= \frac{\text{Total liabilities}}{\text{Total equity}}$$

**Debt-to-  
equity-  
ratio**

$$= \frac{\$ \underline{112,000}}{\$ 346,390} = 32\%$$

**This ratio measures the solvency of companies.**

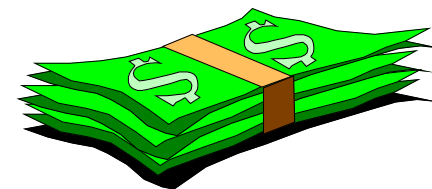


# Times Interest Earned

$$\text{Times interest earned} = \frac{\text{Income before interest expense and income taxes}}{\text{Interest expense}}$$

$$\text{Times interest earned} = \frac{\$84,000}{\$7,300} = 11.51$$

This is the most common measure of the ability of a firm's operations to provide protection to the long-term creditor.



P3

# Profitability

**Profit  
Margin**

**Gross  
Margin**

**Return on  
Total Assets**

**Basic  
Earnings per  
Share**

**Book Value  
per Common  
Share**

**Return on  
Common  
Stockholders'  
Equity**



# Profitability

Use this information to calculate the profitability ratios for Norton Corporation.

<b>NORTON CORPORATION</b>	
<b>2011</b>	
<b>Number of common shares outstanding all year</b>	<b>27,400</b>
<b>Net income</b>	<b>\$ 53,690</b>
<b>Shareholders' equity</b>	
<b>Beginning of year</b>	<b>180,000</b>
<b>End of year</b>	<b>234,390</b>
<b>Revenues</b>	<b>494,000</b>
<b>Cost of sales</b>	<b>140,000</b>
<b>Total assets</b>	
<b>Beginning of year</b>	<b>300,000</b>
<b>End of year</b>	<b>346,390</b>

# Profit Margin

$$\text{Profit margin} = \frac{\text{Net income}}{\text{Net sales}}$$

$$\text{Profit margin} = \frac{\$53,690}{\$494,000} = 10.87\%$$

This ratio describes a company's ability to earn a net income from sales.



# Gross Margin

$$\text{Gross margin} = \frac{\text{Net sales} - \text{Cost of sales}}{\text{Net sales}}$$

$$\text{Gross margin} = \frac{\$494,000 - \$140,000}{\$494,000} = 71.66\%$$



This ratio measures the amount remaining from \$1 in sales that is left to cover operating expenses and a profit after considering cost of sales.

# Return on Total Assets

$$\text{Return on total assets} = \frac{\text{Net income}}{\text{Average total assets}}$$

$$\text{Return on total assets} = \frac{\$53,690}{(\$300,000 + \$346,390) \div 2} = 16.61\%$$



This ratio is generally considered the best overall measure of a company's profitability.



# Return on Common Stockholders' Equity

P3

$$\text{Return on common stockholders' equity} = \frac{\text{Net income} - \text{Preferred dividends}}{\text{Average common stockholders' equity}}$$

$$\text{Return on common stockholders' equity} = \frac{\$53,690 - 0}{(\$180,000 + \$234,390) \div 2} = 25.9\%$$

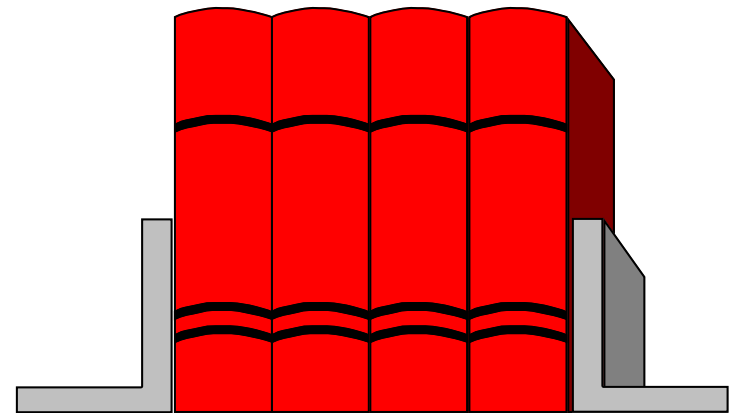


This measure indicates how well the company employed the owners' investments to earn income.

# Book Value per Common Share

$$\text{Book value per common share} = \frac{\text{Shareholders' equity applicable to common shares}}{\text{Number of common shares outstanding}}$$

This ratio measures liquidation at reported amounts.

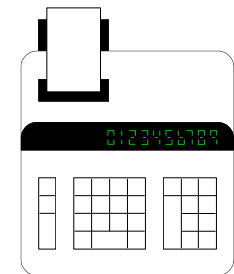


# Basic Earnings per Share

**Basic earnings per share** =  $\frac{\text{Net income} - \text{Preferred dividends}}{\text{weighted-average common shares outstanding}}$

**Basic earnings per share** =  $\frac{\$53,690 - 0}{27,400} = \$1.96 \text{ per share}$

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





# Market Prospects



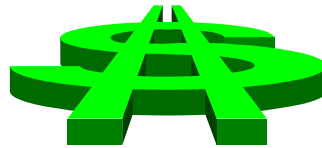
Use this information to calculate the market ratios for Norton Corporation.

<b>NORTON CORPORATION</b>	
<b>December 31, 2011</b>	
<b>Earnings per share</b>	<b>\$ 1.96</b>
<b>Market price</b>	<b>15.00</b>
<b>Annual dividend per share</b>	<b>2.00</b>

# Price-Earnings Ratio

**Price-earnings ratio** =  $\frac{\text{Market price per common share}}{\text{Earnings per share}}$

**Price-earnings ratio** =  $\frac{\$15.00}{\$1.96} = 7.65 \text{ times}$



This measure is often used by investors as a general guideline in gauging stock values. Generally, the higher the price-earnings ratio, the more opportunity a company has for growth.

# Dividend Yield

$$\text{Dividend yield} = \frac{\text{Annual cash dividends per share}}{\text{Market price per share}}$$

$$\text{Dividend yield} = \frac{\$2.00}{\$15.00} = 13.3\%$$



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

# Summarizing Results

A financial statement analysis report helps by directly assessing the building blocks of analysis and by identifying weaknesses in inference and by requiring explanation. It usually consists of six sections:

- Executive summary
- Analysis overview
- Evidential matter
- Assumptions
- Key factors
- Inferences

# End of Chapter 13

