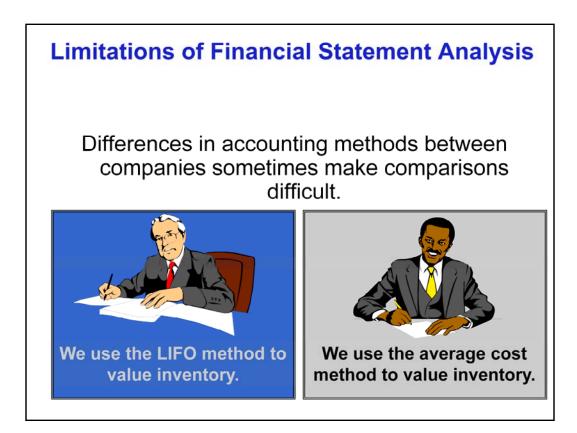


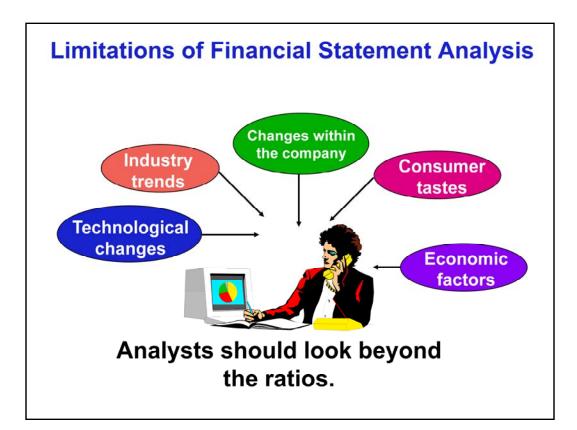
This chapter focuses upon financial statement analysis which is used to assess the financial health of a company. It includes **examining trends in key financial data**, **comparing financial data across companies**, and **analyzing financial ratios**.



**Differences in accounting methods between companies sometimes make it difficult to compare their financial data**. For example:

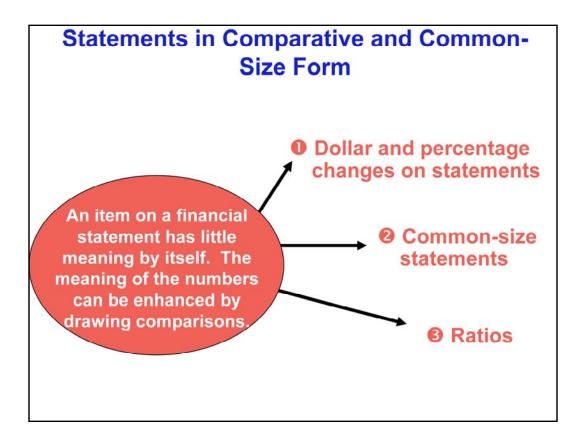
If one company values its inventory using the **LIFO method** and another uses the **average cost method**, then direct comparisons of financial data such as inventory valuations and cost of goods sold may be **misleading**.

Even with this limitation in mind, comparing financial ratios with other companies or industry averages **can provide useful insights**.



Ratios should not be viewed as an end, but rather as a **starting point**. They raise many questions and point to opportunities for further analysis, but they **rarely answer questions by themselves**.

In addition to ratios, other sources of data should also be considered such as industry trends, technological changes, changes in consumer tastes, changes in broad economic factors, and changes within the company itself.

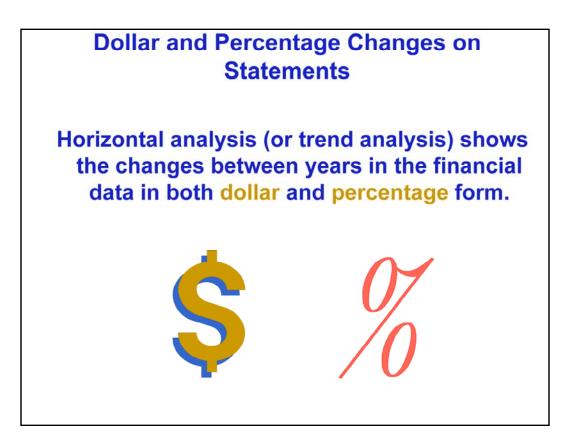


An item on a balance sheet or income statement has **little meaning by itself**. The meaning of the number can be enhanced by **drawing comparisons**. This chapter discusses three such means of enabling comparisons:

•Dollar and percentage changes on statements (also known as horizontal analysis),

•Common-size statements (also known as vertical analysis), and

•Ratios.



Horizontal analysis (also known as **trend analysis**) involves analyzing financial data **over time**.

Quantifying **dollar changes** over time serves to highlight the changes that are the most important **economically**.

Quantifying **percentage changes** over time serves to highlight the changes that are the most **unusual**.



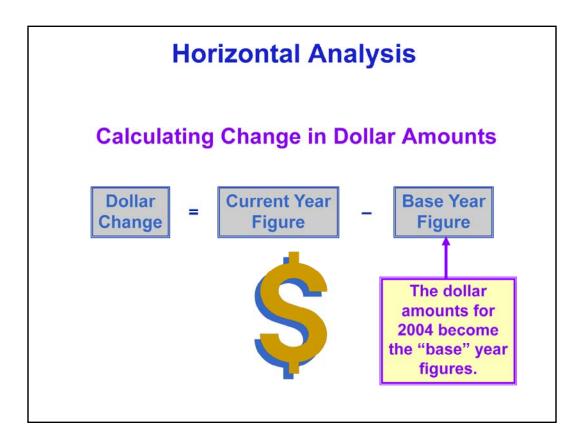


The following slides illustrate a horizontal analysis of Clover Corporation's December 31, 2005 and 2004, comparative balance sheets and comparative income statements.

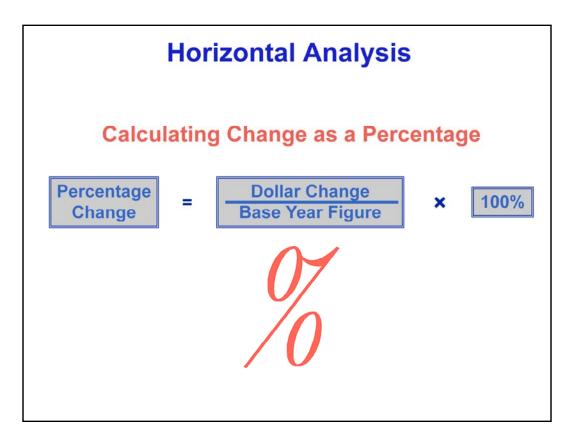
The following slides illustrate a horizontal analysis of Clover Corporation's December thirty first two thousand five and two thousand four comparative balance sheets and comparative income statements.

	ER CORPOR ative Balance			and the second s
	December 31			
			Increase ([	Decrease
	2005	2004	Amount	%
Assets				
Current assets:				
Cash	\$ 12,000	\$ 23,500		
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		
Property and equipment:				
Land	40,000	40,000		
Buildings and equipment, net	120,000	85,000		
Total property and equipment	160,000	125,000		
Total assets	\$ 315,000	\$ 289,700		

Assume the comparative asset account balances from the balance sheets as shown.



The dollar change in account balances is calculated as the current year figure minus the base year figure. The dollar amounts for two thousand four become the "base" year figures.



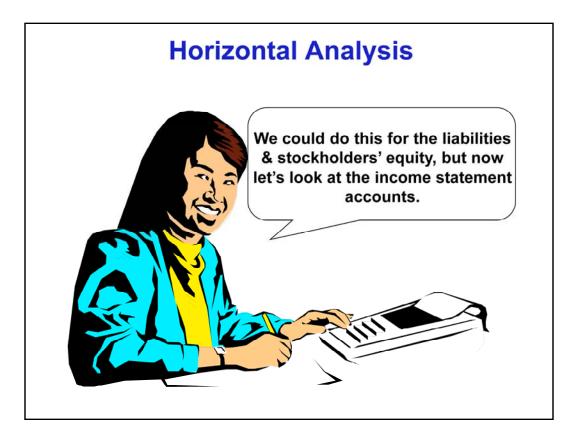
The percentage change in account balances is calculated as dollar change divided by the base year figure times one hundred percent.

Horizo	JIIIa		lċ	nysi	S		
		ORPOR	AT1				-
							E a
Com		Balance mber 31		leets			10
	Dece	inder 51					
					Incre	ase (I	Decrease
		2005		2004		ount	%
Assets							
Current assets:							
Cash	\$	12,000	\$	23,500	\$(11	,500)	(48.
Accounts receivable, net		60,000		40,000	2	t	1
Inventory		80,000		100,000			
Prepaid expenses		3.000		1.200			
Total current assets \$12	.000 -	- \$23.	50	0 = \$(1	11.5	00)	
Property and equipmere.	,		_	(	, , ,	,	
Land		40.000		40.000			
	1,500	÷ \$23	,50	00) × 1	00%	6 = 4	18.9%
Buildings and equipm (\$1)				1999 - Contra 19			
Buildings and equipm (\$1) Total property and equipment		100,000		125,000			

The dollar and percentage changes in the **cash account** are computed as shown.

CLOVI Compara	ative E	Balance	e Sh				Se la constante
	Decer	nber 31					
					Increa	ase (D	ecrease
	2	005		2004	Amo	unt	%
Assets							
Current assets:							
Cash	\$	12,000	\$	23,500	\$ (11,	,500)	(48.
Accounts receivable, net		60,000		40,000	20,	,000	50.
Inventory		80,000		100,000	(20,	,000)	(20.
Prepaid expenses		3,000		1,200	1,	,800	150.
Total current assets	1	55,000		164,700	(9,	,700)	(5.9
Property and equipment:							
Land		40,000		40,000		-	0.0
Buildings and equipment, net	1	20,000		85,000	35,	,000	41.
Total property and equipment	1	60,000		125,000	35,	,000	28.
Total assets	\$ 3	15,000	\$	289,700	\$ 25.	,300	8.

The dollar and percentage changes for the remaining asset accounts are as shown. Can you calculate these numbers?



We could do this for the liabilities and stockholder's equity, but instead let's look at the **income statement**.

CLO	VER CORP	ORATION		-
Compara	ative Incom	ne Statemer	nts	15
For the Y	ears Endeo	d Decembe	r 31	11
			Increa	se
			(Decrea	ase)
	2005	2004	Amount	%
Sales	\$520,000	\$480,000		
Cost of goods sold	360,000	315,000		
Gross margin	160,000	165,000		
Operating expenses	128,600	126,000		
Net operating income	31,400	39,000		
Interest expense	6,400	7,000		
Net income before taxes	25,000	32,000		
Less income taxes (30%)	7,500	9,600		
Net income	\$ 17,500	\$ 22,400		

Assume Clover has the comparative income statement amounts as shown.

CLO	VER CORP	ORATION		
Compara	ative Incom	ne Statemer	nts	10
For the Y	ears Endeo	d Decembe	r 31	
			Increa	ase
			(Decre	ase)
	2005	2004	Amount	%
Sales	\$520,000	\$480,000	\$ 40,000	8.3
Cost of goods sold	360,000	315,000	45,000	14.3
Gross margin	160,000	165,000	(5,000)	(3.0
Operating expenses	128,600	126,000	2,600	2.1
Net operating income	31,400	39,000	(7,600)	(19.5
Interest expense	6,400	7,000	(600)	(8.6
Net income before taxes	25,000	32,000	(7,000)	(21.9
Less income taxes (30%)	7,500	9,600	(2,100)	(21.9
Net income	\$ 17,500	\$ 22,400	\$ (4,900)	(21.9

The dollar and percentage changes for each account are as shown.

CLO	VER CORP	ORATION		
Compara	ative Incom	e Statemer	nts	15
For the Y	ears Endeo	d Decembe	r 31	11
			Increa	ase
			(Decre	ase)
	2005	2004	Amount	%
Sales	\$520,000	\$480,000	\$ 40,000	8.3
Cost of goods sold	360,000	315,000	45,000	14.3
Gros	400.000	405 000	(5,000)	(3.0
Oper Sales increas	sed by 8.	3% yet	2,600	2.1
Net c net income dec	creased b	oy 21.9%.	(7,600)	(19.5
Interest expense	6,400	7,000	(600)	(8.6
Net income before taxes	25,000	32,000	(7,000)	(21.9
Less income taxes (30%)	7,500	9,600	(2,100)	(21.9
Net income	\$ 17,500	\$ 22,400	\$ (4,900)	(21.9

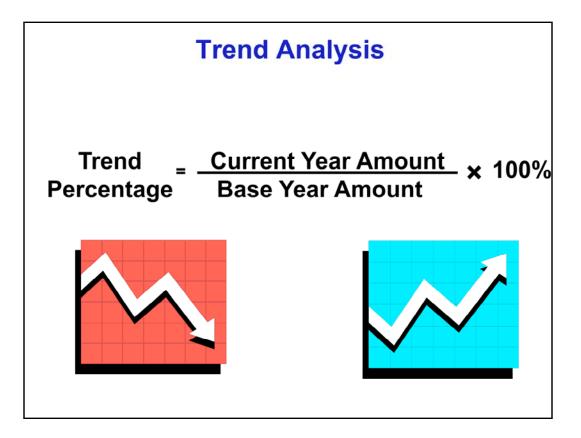
Sales increased by **eight point three percent** yet net income decreased by **twenty one point nine percent**.

There were increases sold (14.3%) and opera These increased costs increase in sales, y	ating exp s more th yielding	enses (2 nan offse an overa	.1%). t the	rea	ise ase)
decrease in	net inco	me.		nt	%
Sales	\$520,000	\$480,000	\$ 40,00	00	8.3
Cost of goods sold	360,000	315,000	45,00	00	14.3
Gross margin	160,000	165,000	(5,00	)0)	(3.0)
Operating expenses	128,600	126,000	2,60	00	2.1
Net operating income	31,400	39,000	(7,60	00)	(19.5)
Interest expense	6,400	7,000	(60	00)	(8.6)
Net income before taxes	25,000	32,000	(7,00	00)	(21.9)
Less income taxes (30%)	7,500	9,600	(2,10	00)	(21.9)
Net income	\$ 17,500	\$ 22,400	\$ (4,90	00)	(21.9)

There were increases in cost of goods sold and operating expenses that offset the increase in sales. These increased costs more than offset the increase in sales, yielding an overall decrease in net income.

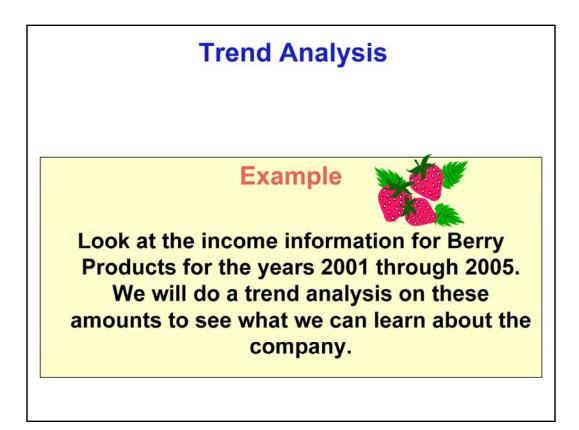
# <text>

Horizontal analysis can be even more useful when data from a number of years are used to compute **trend percentages**.



To compute a trend percentage, a base year is selected and the **data for all years** are stated in terms of a percentage of that base year.

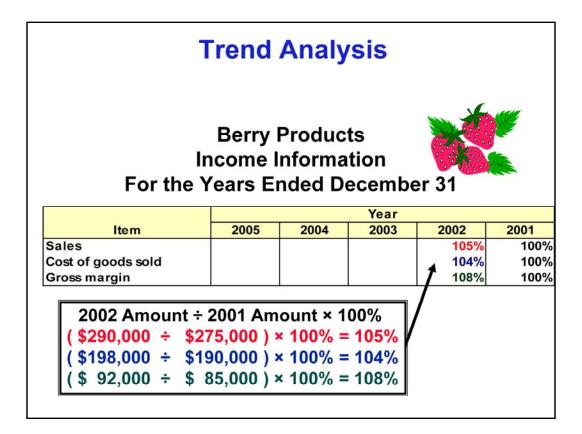
The equation for computing a trend percentage is current year amount divided by base year amount times one hundred percent.



Look at the income information for Berry Products for the years two thousand one through two thousand five. We will do a trend analysis on these amounts to see what we can learn about the company.

Т	rend	Analy	sis		
Ir For the Y	icome l		tion	er 31	
			Year		
Item	2005	2004	2003	2002	2001
Sales	\$400,000	\$355,000	\$320,000	\$290,000	\$275,000
Cost of goods sold	285,000	250,000	225,000	198,000	190,000
Gross margin	115,000	105,000	95,000	92,000	85,000
year	is 2001,	e base and its a ual 100%			

Assume the financial results as shown for **two thousand one through two thousand five**. **The base year is two thousand one** and its amounts will equal **one hundred percent**.

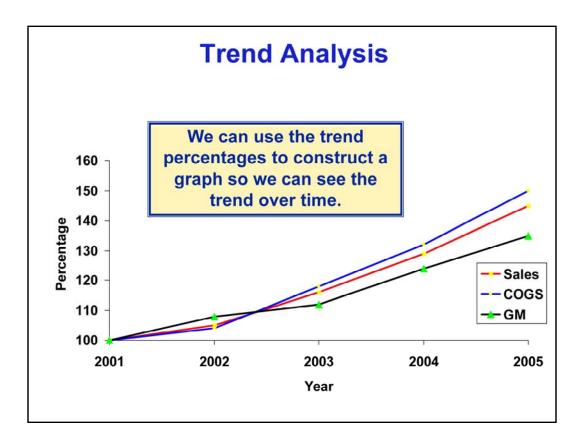


The **two thousand two results** restated in trend percentages would be computed as shown.

т	rend /	Analy	sis		
In For the Y	Berry F Icome Ir ′ears En	nformat	tion	er 31	
			Year	Pro	
Item	2005	2004	2003	2002	2001
Sales	145%	129%	116%	105%	100%
Cost of goods sold	150%	132%	118%	104%	100%
Gross margin	135%	124%	112%	108%	100%
By analyzing to can see that faster than sal	cost of g les, whicl	oods so	ld is inc ving the	reasing	

The trend percentages for the remaining years would be as shown.

Notice that the cost of goods sold is increasing faster than sales, which is slowing the increase in gross margin.

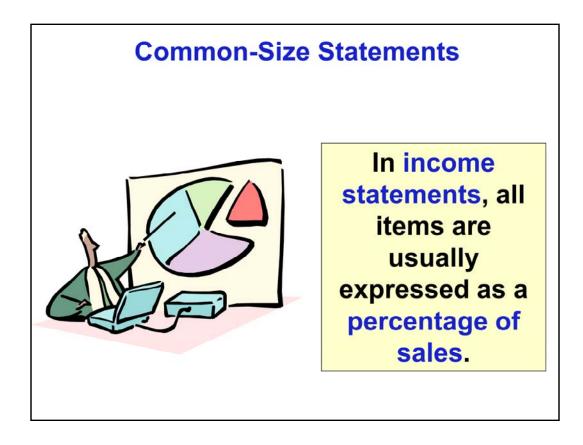


The trend percentages can also be used to construct a graph as shown.

Vertical analysis focuses on the relationships among financial statement items at a given point in time. A common-size financial statement is a vertical analysis in which each financial statement item is expressed as a percentage.

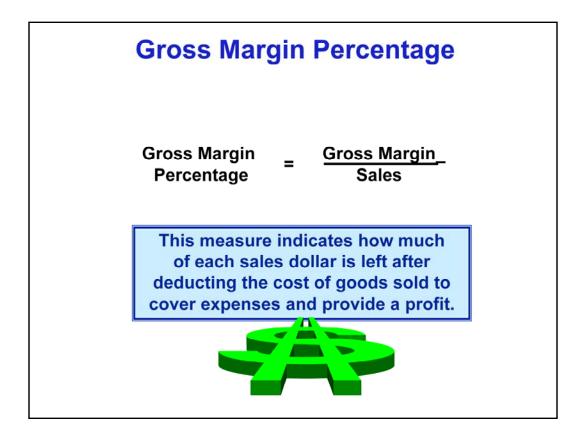


Vertical analysis focuses on the relationships among financial statement items **at a given point in time**. A common-size financial statement is a vertical analysis in which **each financial statement item is expressed as a percentage**.

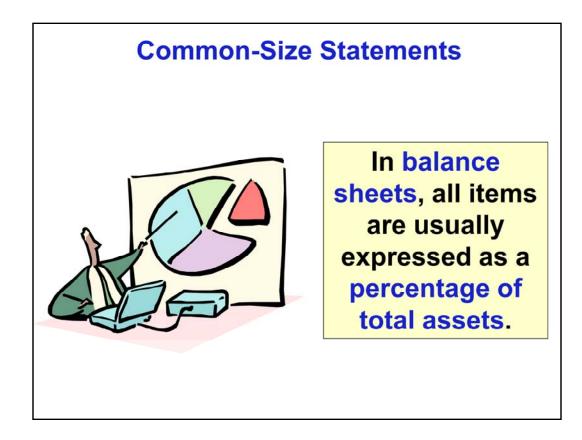


In income statements, all items are usually expressed as a percentage of sales.

Managers often pay close attention to the **gross margin percentage**, which is computed as shown on the next slide.



The gross margin percentage tends to be more **stable** for **retailing companies** because cost of goods sold **excludes fixed costs**.



In balance sheets, all items are usually expressed as a percentage of total assets.

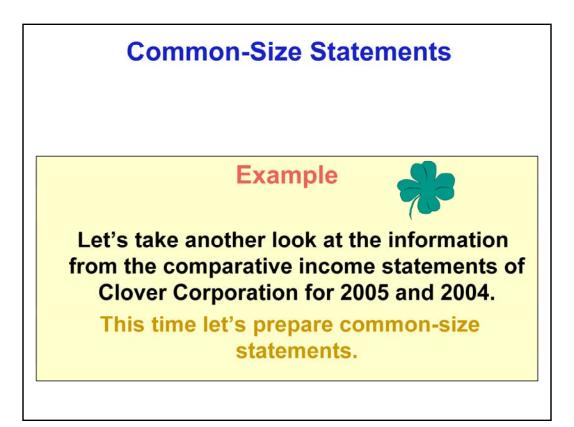
	We	ndy's	McDo	onald's
(dollars in millions)	Dollars	Percentage	Dollars	Percentage
2002 Net income	\$ 219	8.00%	\$ 893	5.80%

Common-size financial statements are particularly useful when comparing data from different companies.

Common-size financial statements are particularly useful **when comparing data from different companies**.

For example: In two thousand two, Wendy's net income was **two hundred nineteen million dollars**, whereas McDonald's was **eight hundred ninety three million dollars**. This comparison is misleading because of the **different sizes** of the two companies.

Wendy's **net income as a percent of sales** was about **eight percent** and McDonald's was about **five point eight percent.** In this light, McDonald's performance does not compare favorably with Wendy's.



Let's take another look at the information from the comparative income statements of Clover Corporation for two thousand five and two thousand four.

This time let's prepare common-size statements.

	ER CORPO	ORATION e Statemen	ts	-
1993 B. 1993		December		70
			Commo Percer	
	2005	2004	2005	2004
Sales	\$520,000	\$480,000	100.0	100.0
Cost of goods sold	360,000	315,000		
Gross margin	160,000	165,000	- Sale	s is
Operating expenses	128,600	126,000	usual	ly the
Net operating income	31,400	39,000	base	and is
Interest expense	6,400	7,000	expre	essed
Net income before taxes	25,000	32,000	as 1	
Less income taxes (30%)	7,500	9,600	as 1	00 /0.
Net income	\$ 17,500	\$ 22,400		

Here are the **comparative income statements** for Clover Corporation for two thousand five and two thousand four.

CLOV	ER CORPO	DRATION		
Compara	tive Income	Statement	ts	63
For the Ye	ars Ended	December	31	1
			Commo	n-Size
			Percen	tages
	2005	2004	2005	2004
Sales	\$520,000	\$480,000	100.0	100.0
Cost of goods sold	360,000	315,000	69.2	65.6
Gross margin	160,000	165,000	Î	Î
Ope Net Inte (\$360,000 ÷ \$52 Net income Less income 2004 Cos	20,000 ) ×	× 100% =		
Net income (\$315,000				5.6%

The **cost of goods sold as a percentage of sales** for two thousand four is sixty five point six percent and for two thousand five it is sixty nine point two percent.

CLO	VER CORPO	ORATION		
Compara	tive Income	Statement	ts	63
For the Y	ears Ended	December	31	(
What conclusions	can we d	raw?	Commo	n-Size
what conclusions	can we u	naw.	Percen	tages
	2005	2004	2005	2004
Sales	\$520,000	\$480,000	100.0	100.0
Cost of goods sold	360,000	315,000	69.2	65.6
Gross margin	160,000	165,000	30.8	34.4
Operating expenses	128,600	126,000	24.8	26.2
Net operating income	31,400	39,000	6.0	8.2
Interest expense	6,400	7,000	1.2	1.5
Net income before taxes	25,000	32,000	4.8	6.7
Less income taxes (30%)	7,500	9,600	1.4	2.0
Net income	\$ 17,500	\$ 22,400	3.4	4.7

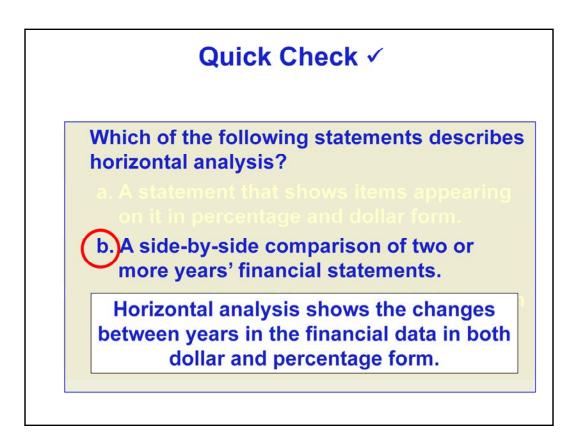
The common-size percentages for the remaining items on the income statement are as shown.

## Quick Check ✓

Which of the following statements describes horizontal analysis?

- a. A statement that shows items appearing on it in percentage and dollar form.
- b. A side-by-side comparison of two or more years' financial statements.
- c. A comparison of the account balances on the current year's financial statements.
- d. None of the above.

Which of the following statements describes horizontal analysis?



The answer is B. Horizontal analysis shows the changes between years in the financial data in both dollar and percentage form.



We are going to examine ratios that are useful to **common stockholders**, **short-term creditors**, and **long-term creditors**.

To facilitate our discussion, we are going to use two thousand four and two thousand five financial data from Norton Corporation.

NORTON CORPO	ORATION	
Balance She	ets	
December	31	
	2005	2004
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

The asset side of Norton's balance sheets is as shown.

NORTON CORPORAT	ION	
Balance Sheets		
December 31		
	2005	2004
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

The liabilities and stockholder's equity side of Norton's balance sheets is as shown.

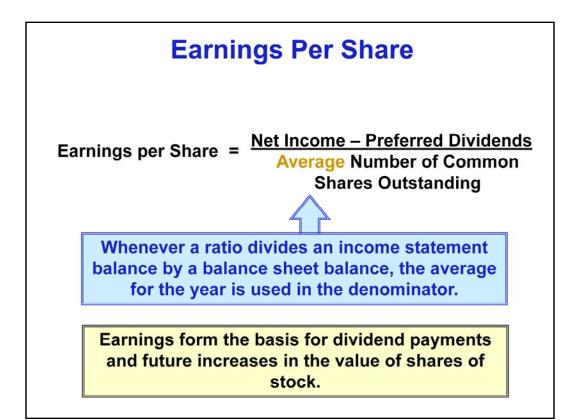
NORTON COR	PORATION	
Income Sta	atements	
For the Years Ende	ed December	31
	2005	2004
Sales	\$ 494,000	\$ 450,000
Cost of goods sold	140,000	127,000
Gross margin	354,000	323,000
Operating expenses	270,000	249,000
Net operating income	84,000	74,000
Interest expense	7,300	8,000
Net income before taxes	76,700	66,000
Less income taxes (30%)	23,010	19,800
Net income	\$ 53,690	\$ 46,200

The income statements for Norton is as shown.

## Ratio Analysis – The Common Stockholder

	NORTON CORPORAT	ON
The ratios that are of the most interest to stockholders include those ratios that focus on net income, dividends, and stockholders' equities.	Number of common shares outstanding Beginning of year End of year Net income Stockholders' equity Beginning of year End of year Dividends per share Dec. 31 market price per share Interest expense Total assets Beginning of year End of year	17,000 27,400 \$ 53,690 180,000 234,390 2 20 7,300 300,000 346,390

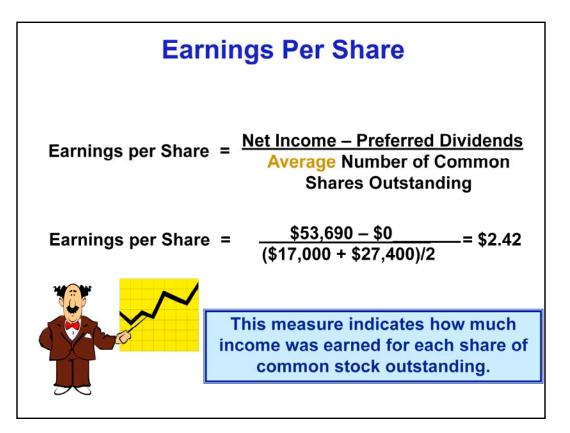
The ratios that are of the most interest to stockholders include those ratios that focus on net income, dividends, and stockholder's equities. The information shown for Norton Corporation will be used to calculate ratios of interest to common stockholders.



Earnings per share is computed as shown.

The **average** number of common shares outstanding is computed by adding the shares outstanding at the **beginning of the year** to the shares outstanding at the **end of the year** and **dividing by two**.

Investors are interested in this ratio because earnings form the basis for **dividend payments** and future **increases in the value of shares of stock**.



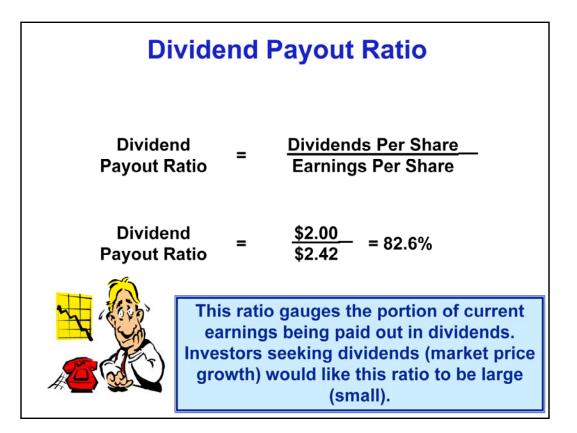
Norton Corporation's earning per share for two thousand five is two dollars and forty two cents. This measure indicates how much income was earned for each share of common stock outstanding.



The price-earnings ratio is computed as shown.

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

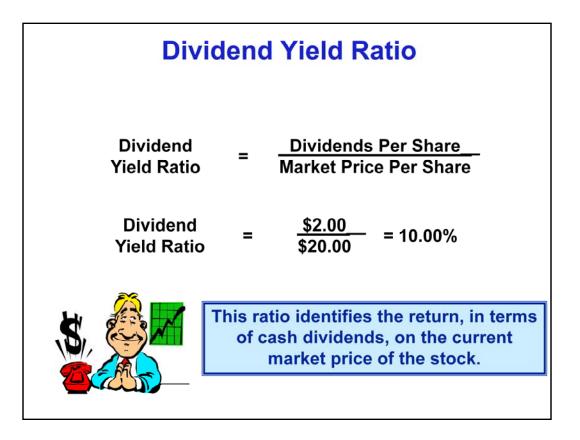
Norton Corporation's price earnings ratio for two thousand five is eight point two six times.



The dividend payout ratio is computed as shown.

Investors who seek **market price growth** would like this ratio to be **small**, whereas investors who seek **dividends** prefer it to be **large**.

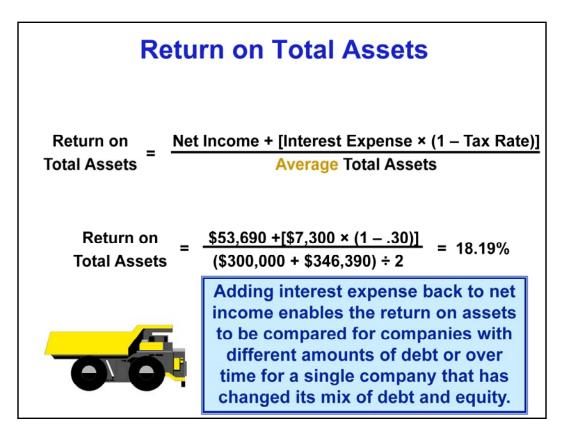
Norton Corporation's dividend payout ratio for two thousand five is eighty two point six percent.



The dividend yield ratio is computed as shown.

This ratio measures the rate of return (in the form of cash dividends only) that would be **earned by an investor who buys common stock at the current market price**.

Norton Corporation's dividend yield ratio for two thousand five is ten percent.



The return on total assets is computed as shown.

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.

Norton Corporation's return on assets for two thousand five is eighteen point one nine percent.

## **Return on Common Stockholders' Equity**

Return on Common \_ <u>Net Income – Preferred Dividends</u> Stockholders' Equity <u>Average Stockholders' Equity</u>

Return on Common Stockholders' Equity =  $\frac{\$53,690 - \$0}{(\$180,000 + \$234,390) \div 2}$  = 25.91%

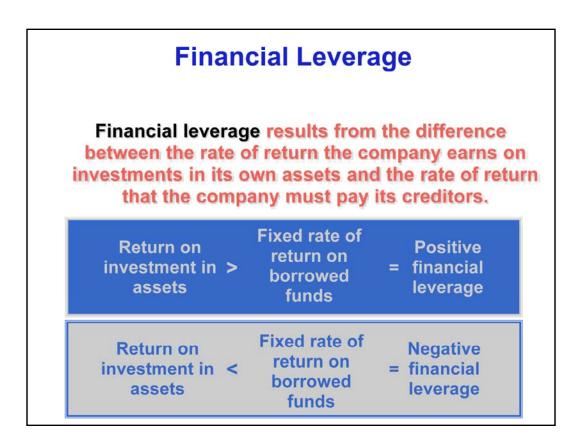


This measure indicates how well the company used the owners' investments to earn income.

The return on common stockholder's equity is computed as shown.

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

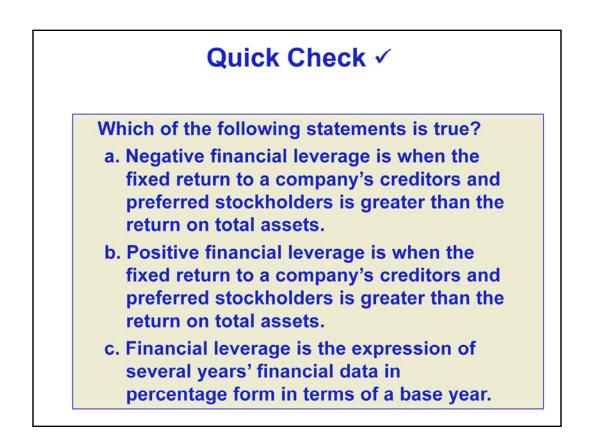
Norton Corporation's return on common stockholder's equity for two thousand five is twenty five point nine one percent.



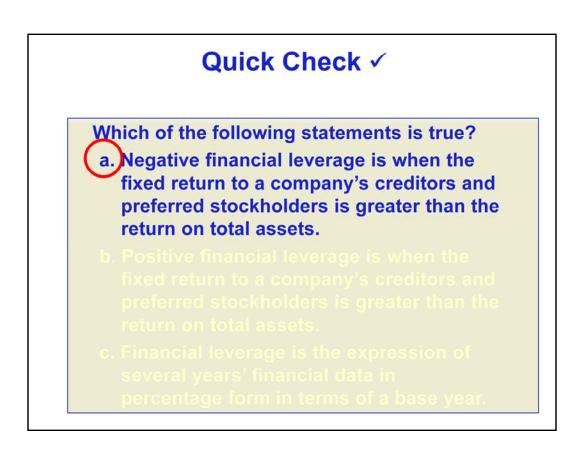
Financial leverage results from the **difference** between the rate of return the company earns on **investments in its own assets** and the rate of return that the company must **pay its creditors**.

**Positive financial leverage** exists if the rate of return on the company's assets **exceeds** the rate of return the company pays its creditors. In this case, having some debt in a company's capital structure can **benefit** its shareholders.

**Negative financial leverage** exists if the rate of return on the company's assets is less than the rate of return the company pays its creditors. In this case, the common stockholder **suffers** by having debt in the capital structure.



Which of the following statements is true?



The answer is 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.

# **Book Value Per Share**

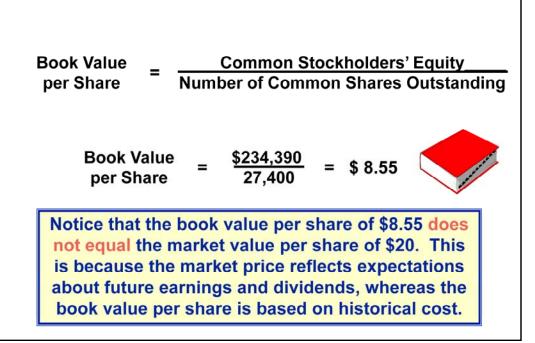
Book Value<br/>per ShareCommon Stockholders' Equity<br/>Number of Common Shares OutstandingBook Value<br/>per Share $\frac{$234,390}{27,400} = $8.55$ This ratio measures the amount that would be<br/>distributed to holders of each share of common<br/>stock if all assets were sold at their balance sheet<br/>carrying amounts and if all creditors were paid off.

The book value per share is computed as shown.

It 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** and if all **creditors were paid off**. This measure is based entirely on **historical cost**.

Norton Corporation's book value per share at the end of two thousand five is eight dollars and fifty five cents.

# **Book Value Per Share**



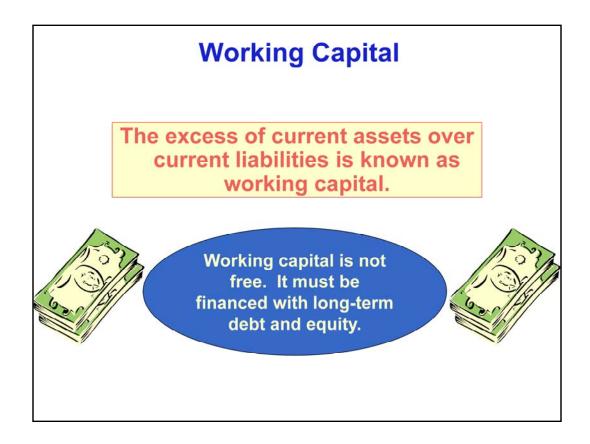
The book value per share of **eight dollars and fifty five cents** does not equal the market value per share of **twenty dollars**. This is because the **market price reflects expectations about future earnings and dividends**, whereas **the book value per share is based on historical cost**.

## **Ratio Analysis – The Short–Term Creditor**

Short-term creditors, such as suppliers, want to be paid on time. Therefore, they focus on the company's cash flows and working capital.

NORTON CORPORATION			
2005			
Cash	\$	30,000	
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 current assets		65,000	
Total current liabilities		42,000	
Sales on account		494,000	
Cost of goods sold		140,000	

Short-term creditors, such as suppliers, want to be paid on time. Therefore, they focus on the company's cash flows and on its working capital. The information shown for Norton Corporation will be used to calculate ratios of interest to short-term creditors.



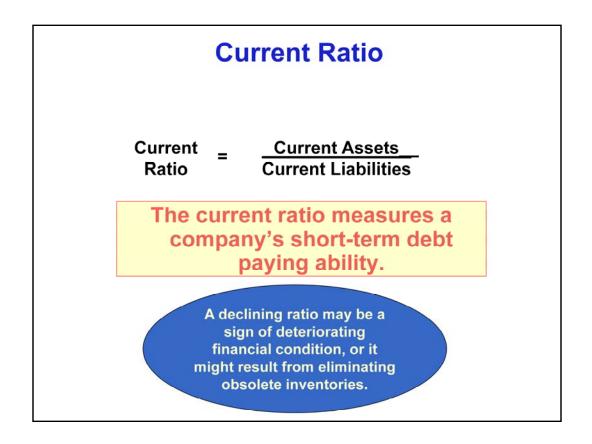
#### The excess of current assets over current liabilities is known as working capital.

Working capital is **not free**. It must be financed with long-term debt and equity. Therefore, managers often seek to **minimize** working capital.

A large and growing working capital balance **may not be a good sign**. For example, it could be the result of unwarranted growth in inventories.

Working Ca	pita	al
	Dec	ember 31, 2005
Current assets	\$	65,000
Current liabilities		(42,000)
Working capital	\$	23,000

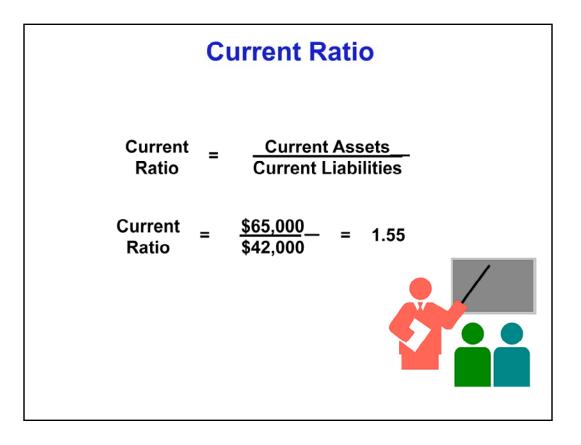
Norton Corporation's working capital is calculated as shown.



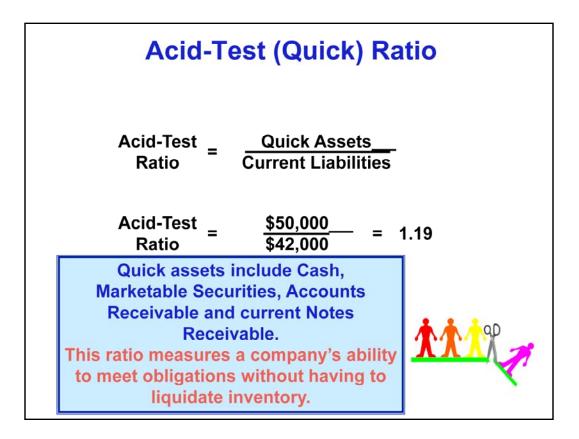
The current ratio is computed as shown.

It measures a company's **short-term debt paying ability**.

It must be interpreted with care. For example, a declining ratio may be a sign of deteriorating financial condition, or it might result from eliminating obsolete inventories or other stagnant current assets.



Norton Corporation's current ratio of is calculated as shown.



The acid-test ratio is computed as shown.

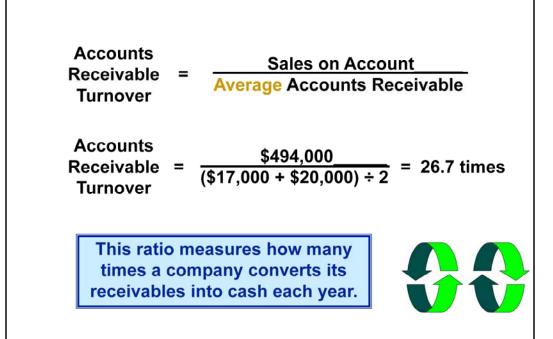
It is a **more rigorous** measure of short-term debt paying ability because it only includes **cash**, **marketable securities**, **accounts receivable**, and **current notes receivable**.

It measures a company's ability to meet its obligations without having to liquidate its inventory.

Norton Corporation's acid-test ratio is one point one nine.

Each dollar of liabilities should be backed by **at least one dollar of quick assets**. Norton satisfies this condition.

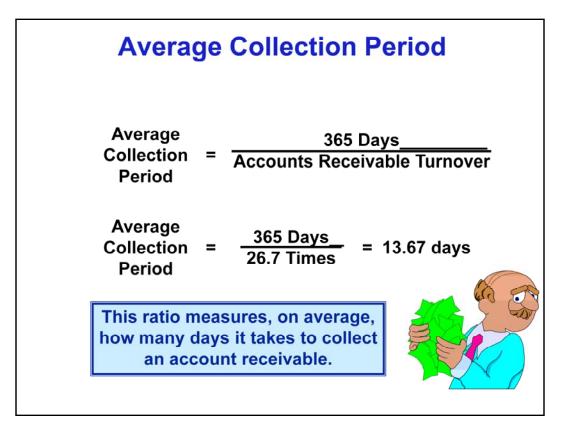
# **Accounts Receivable Turnover**



The accounts receivable turnover is calculated as shown.

It measures how quickly credit sales are converted to cash.

Norton Corporation's accounts receivable turnover is twenty six point seven.

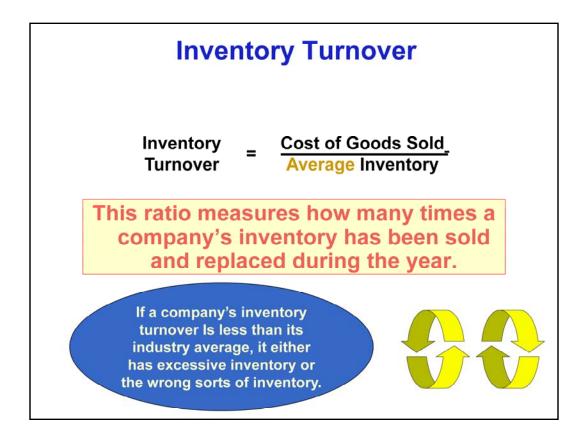


A related measure called the **average collection period** is computed as shown.

It measures **how many days, on average, it takes to collect an accounts receivable**.

It should be interpreted relative to the credit terms offered to customers.

Norton Corporation's average collection period is thirteen point six seven days.



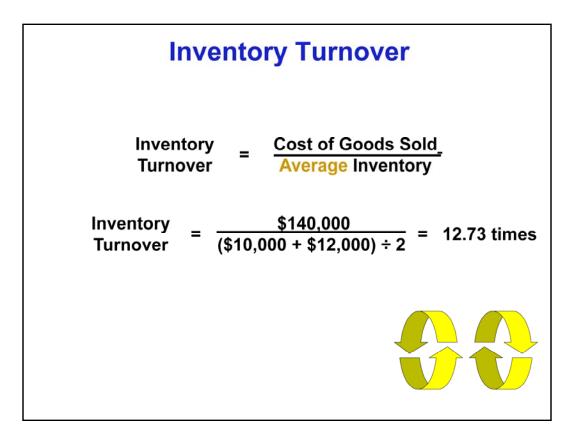
The inventory turnover is computed as shown.

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

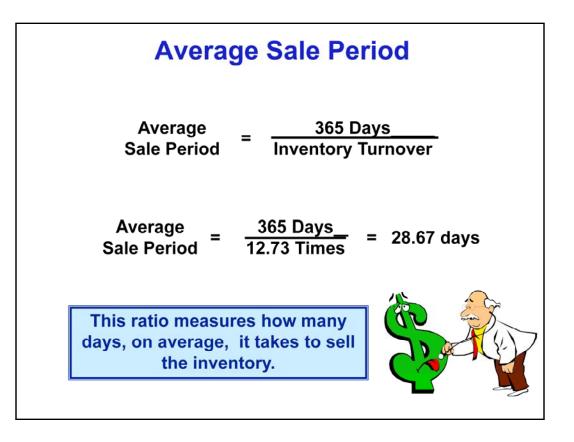
It should **increase** for companies that adopt **just-in-time methods**.

It should be interpreted **relative to a company's industry**. For example, grocery stores turn their inventory over **quickly**, whereas jewelry stores tend to turn their inventory over **slowly**.

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



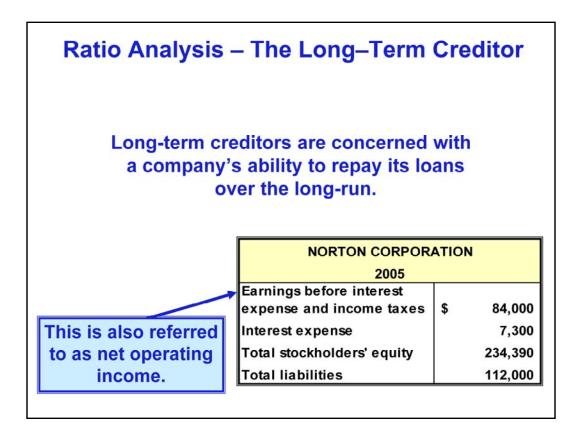
Norton Corporation's inventory turnover is twelve point seven three times.



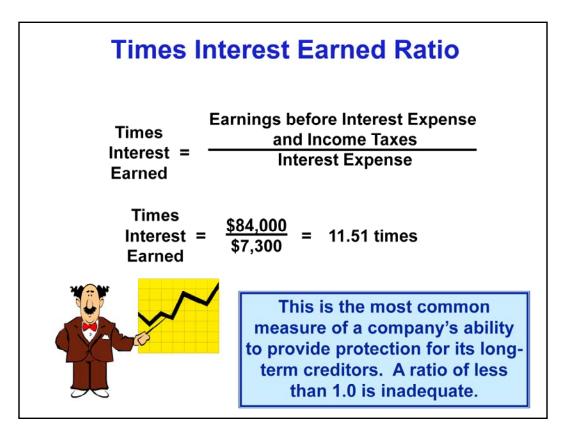
A related measure called the **average sale period** is computed as shown.

It measures the number of days being taken, on average, to **sell the entire inventory one time**.

Norton Corporation's average sale period is twenty eight point six seven days.



Long-term creditors are concerned with a company's ability to **repay its loans over the long-run**. Creditors often seek protection by requiring that borrowers agree to various **restrictive covenants**, or rules. The information shown for Norton Corporation will be used to calculate ratios of interest to long-term creditors.



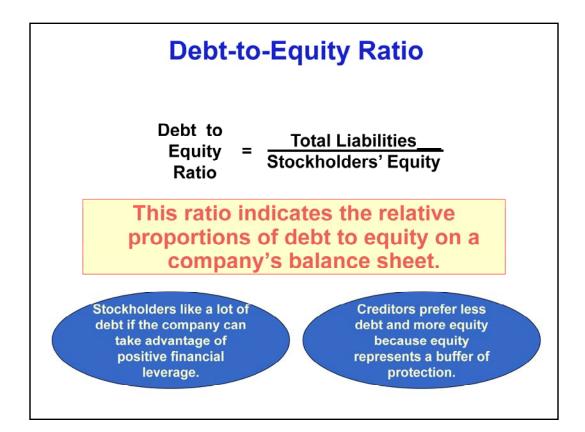
The times interest earned ratio is calculated as shown.

It is the **most common measure** of a company's ability to protect its long-term creditors.

It is based on earnings **before interest and income taxes** because that is the amount of earnings that is available for making interest payments.

A ratio of **less than one is inadequate**.

Norton Corporation's times interest earned ratio is eleven point five one times.



The debt-to-equity ratio is computed as shown.

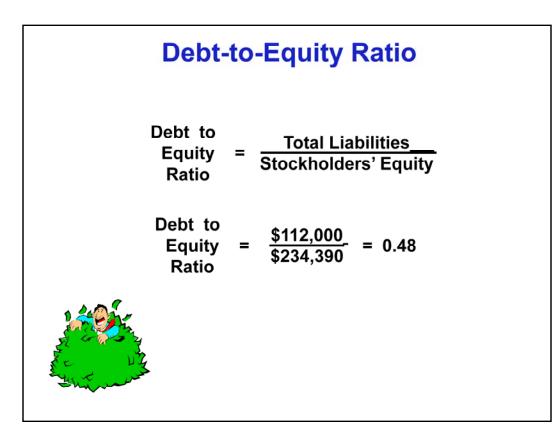
It indicates the **relative proportions** of debt and equity on a company's balance sheet.

Creditors and stockholders have different views when defining the optimal debt-toequity ratio.

**Stockholders** like a **lot of debt** if the company can take advantage of **positive financial leverage**.

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

In practice, **debt-to-equity ratios from point zero to three point zero are common**.



Norton Corporation's debt-to-equity ratio is point four eight.

Sources of Financial Ratios		
Source	Source	
Almanac of Business and Industrial Financial	Hoover's Online. Hoovers, Inc. Web site that is	
Ratios. Prentice-Hall. Published annually.	updated continuously. www.hoovers.com	
Annual Statement Studies. Robert Morris	Key Business Ratios. Dun & Bradstreet.	
Associates. Published annually.	Published annually.	
www.rmahq.org/Ann_Studies/assstudies.html		
Business & Company ASAP. Database that is	Moody's Industrial Manual and Moody's Bank	
updated continuously.	and Finance Manual. Dun & Bradstreet.	
	Published annually.	
EDGAR. Securities and Exchange	PricewaterhouseCoopers Web site that is	
Commission. Web site that is updated	updated continuously.	
continuously. www.sec.gov	www.edgarscan.tc.pw.com	
EBSCOhost (Business Source Elite index).	Standard & Poor's Industry Survey. Standard &	
EBSCO publishing. Database that is updated continuously.	Poor's. Published annually.	
FreeEDGAR. EDGAR Online, Inc. Web site		
that is updated continuously.		
www.freeedgar.com	CON M	

This slide contains a listing of **published sources** that provide **comparative ratio data organized by industry**.