



Topics Covered

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- Lowe's Financial Statements
- ➤ Measuring Lowe's Performance
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- ➤ Analyzing the ROA: The DuPont System
- ➤ Measuring Leverage
- ➤ Measuring Liquidity
- ➤ Interpreting Financial Ratios



Lowe's Companies Balance sheet (\$mil) 2007 2008 Current assets Cash and marketable securities 661 530 247 Accounts receivable 166 Inventories 8,209 7,611 215 298 Other current assets 9,251 Total current assets 8,686 Fixed assets Tangible fixed assets 31,477 28,836 property plant and equipment Less accumulated depreciation 7,475 8,755 22,722 21,361 Net tangible fixed assets 509 Long -term investments 253 Other long-term assets 460 313 32,686 30,869 Total assets

Lowe's Companies





Balance sheet (\$ mil)		
	2008	2007
Liabilities and Shareholders' Equity		
Current liabilities		
Debt due for repayment	1,021	1,104
Accounts payable	4,543	4,137
Other current liabilities	2,458	2,510
Total current liabilities	8,022	7,751
Long-term debt	5,039	5,576
Deferred income taxes	660	670
Other long-term liabilities	910	774
Total liabilities	14,631	14,771
Common stock and other paid-in capital	735	729
Retained earnings and capital surplus	17,320	15,369
Total shareholders' equity	18,055	16,098
Total liabilities and shareholders' equity	32,686	30,869



Lowe's Companies



Other Data (end of 2008)

Net working capital = current assets - current liabilities = 9,251 - 8,022 = \$1,229 million

Total revenues - costs - depreciation = EBIT 48,230 - 42,887 - 1,539 = \$3,804 million

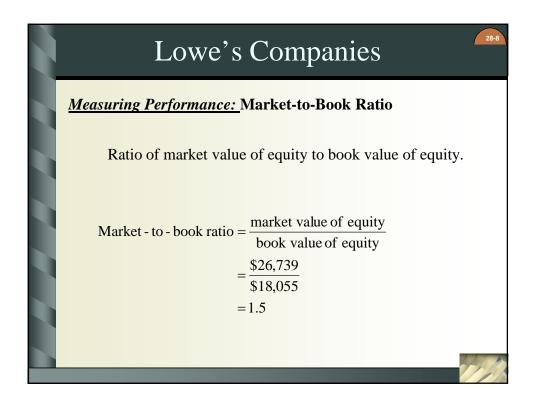
1,470 million shares outstanding

Stock price =\$18.19 per share





Lowe's Companies Income (\$ mil) 2008 48,230 Net sales 31,729 Cost of goods sold Selling, general, and administrative expenses 11,158 Depreciation 1,539 Earnings before interest and taxes (EBIT) 3,804 Interest expense 298 3,506 Taxable income Tax 1,311 Net income 2,195 Dividends 491 Addition to retained earnings 1,704



Lowe's Companies

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► Market Capitalization

 Total market value of equity, equal to share price times number of shares outstanding.

Market Capitalization = $(\# \text{ shares}) \times (\text{price per share})$ Market Capitalization = $\$18.19 \times 1,470 = \$26,739 \text{ mil}$

> Market Value Added

Market capitalization minus book value of equity.

 $MVA = Market Capitalization - Equity_{Book Value}$ MVA = \$26,739 - \$18,055 = \$8,684 million



Market Values



Stock market measures of company performance, 2008 (dollar values in millions). Companies are ranked by market value added.

	Market Value Added	Market-to- Book-Ratio		Market Value Added	Market-to- Book-Ratio
Exxon Mobil	\$154,397	1.69	Fedex	(\$1,538)	0.96
Wal-Mart	128,159	2.02	J.C. Penney	-3,777	0.69
Coca Cola	106,957	3.46	Xerox	-9,981	0.37
Google	96,880	6.82	Dow Chemical	-17,823	0.55
Johnson & Johnson	67,645	1.8	АТ&Т	-49,052	0.85
Source: We are grateful to EVA Dimensions for providing these statistics.					



Measuring Performance



- Economic Value Added (EVA)
 - Net income minus a charge for the cost of capital employed. Also called *residual income*.
- > Residual Income
 - Net Dollar return after deducting the cost of capital

EVA = Residual Income

= [After Tax interest + Net Income] - [Cost of Capital × Capital]

or

$$EVA = \left(\frac{\text{After Tax interest} + \text{Net Income}}{\text{Total Capital}} - \text{Cost of Capital}\right) \times \text{Total Capital}$$



Measuring Performance



Economic Value Added (EVA) of Lowe's

$$EVA = \left(\frac{\text{After Tax interest} + \text{Net Income}}{\text{Total Capital}} - \text{Cost of Capital}\right) \times \text{Total Capital}$$

$$EVA = \left(\frac{(1-.35) \times 298 + 2,195}{21,674} - .074\right) \times 21,674$$

= \$785mil



Measuring Performance

	After-tax interest + net income	2. Cost of Capital (WACC), %	Total Long- term Capital	4. EVA = 1 – (2 × 3)	5. Return on Capital (ROC), % (1 ÷ 3)
Exxon Mobil	46,378	6	\$224,051	\$33,006	20.7
Wal-Mart	14,169	5.7	125,059	7,286	11.3
Johnson & Johnson	11,964	7.5	84,848	5,529	14.1
Google	5,128	12.3	16,644	3,143	30.8
Coca Cola	4,900	5.8	33,246	3,031	14.7
J.C. Penney	553	7	12,191	-302	4.5
Fedex	1,898	6.7	37,067	-583	5.1

9.9

15,876

321,320

-1,047

-11,779

3.7

4.9

15,745

583



Measuring Profitability

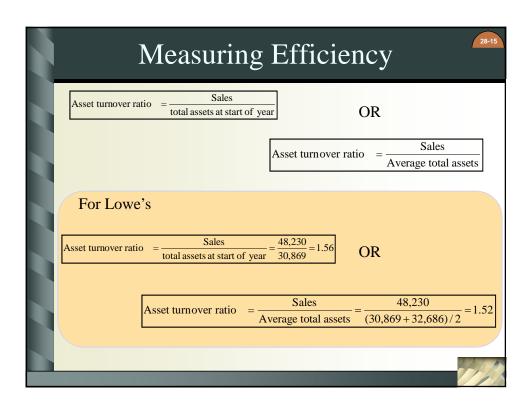
Lowe's Profitability Measurements

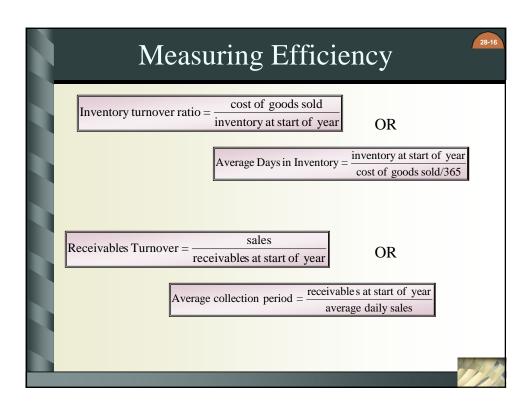
Return on capital =
$$\frac{\text{after tax interest} + \text{net income}}{\text{average total capital}}$$
$$= \frac{(1 - .35) \times 298 + 2,195}{(21,674 + 23,094)/2} = .107$$

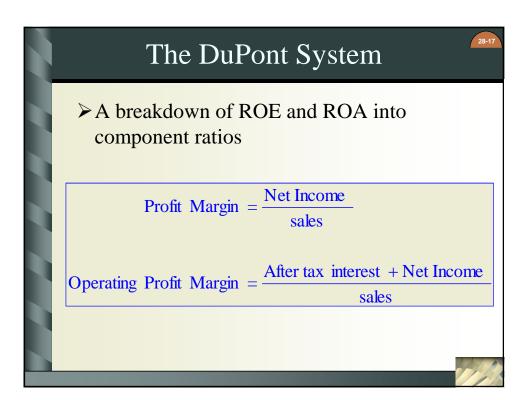
Return on equity =
$$\frac{\text{net income}}{\text{equity}} = \frac{2,195}{16,098} = .136$$

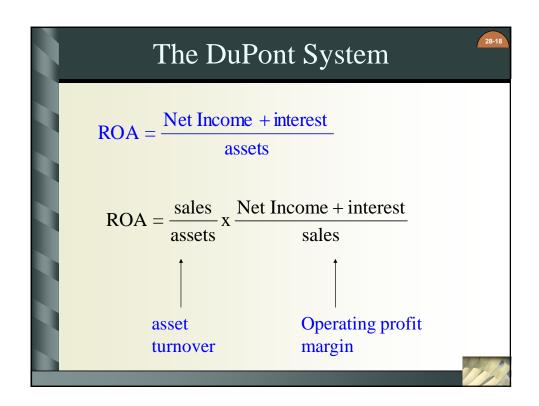
Return on assets =
$$\frac{\text{after tax interest + net income}}{\text{total assets}}$$
$$= \frac{(1 - .35) \times 298 + 2,195}{30,869} = .077$$











The DuPont System

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Merging with suppliers or customers generally increases the profit margin, but this increase is offset by a reduction in asset turnover.

	Sales	Profits	Assets	Asset Turnover	Profit Margin	ROA
Admiral Motors	\$20	\$4	\$40	0.5	20%	10%
Diana Corporation	8	2	20	0.4	25	10
Diana Motors (the merged firm)	20	6	60	0.33	30	10



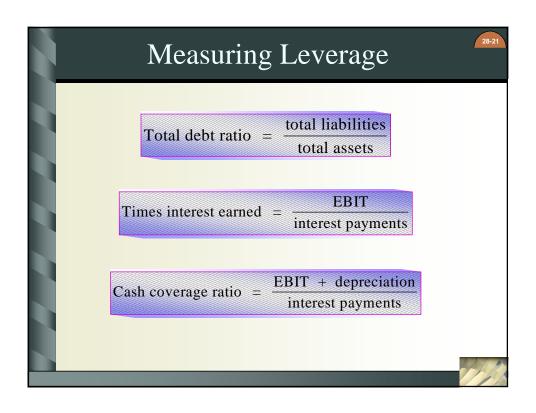


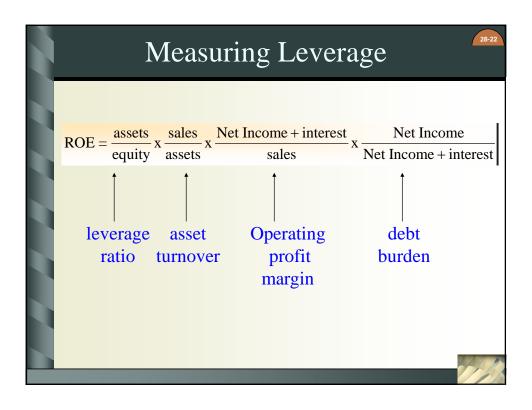


Long term debt ratio = $\frac{\text{long term debt}}{\text{long term debt} + \text{equity}}$

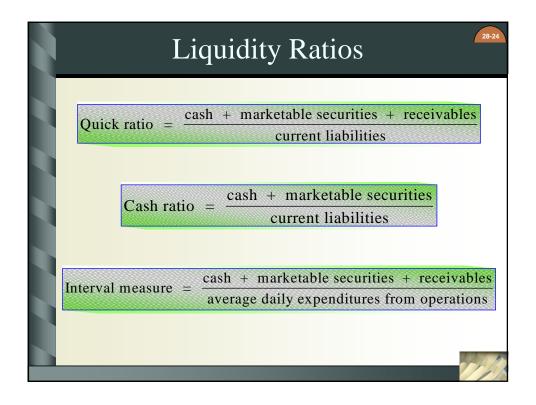
Debt equity ratio = $\frac{\text{long term debt}}{\text{equity}}$

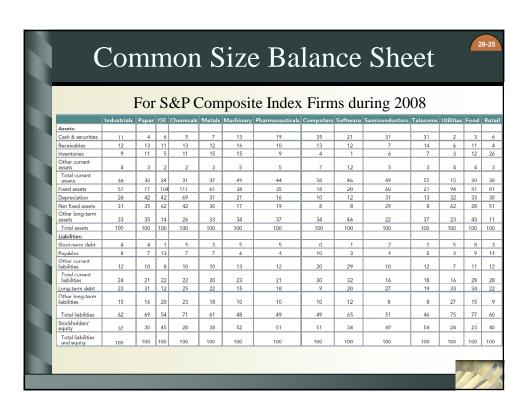






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\frac{\text{Liquidity Ratios}}{\text{Net working capital to total assets ratio}} = \frac{\text{Net working capital}}{\text{Total assets}}
\frac{\text{Current ratio}}{\text{Current liabilities}}
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Common Size Income Statement For S&P Composite Index Firms during 2008 100.0 74.9 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 80.8 86.4 85.8 84.7 84.6 80.9 100.0 87.2 100.0 75.0 100.0 100.0 100.0 100.0 87.5 72.7 86.7 93.1 Costs 69.2 Depreciation EBIT 5.5 4.6 3.4 13.6 9.1 10.8 1.8 2.2 0.4 5.0 3.1 10.3 12.3 1.7 1.3 4.2 14.9 6.3 24.5 4.0 8.8 5.7 19.4 11.9 13.1 4.9 7.6 1.0 9.2 2.7 2.6 18.1 10.6 4.3 7.1 2.1 0.8 Interest 1.2 1.6 0.3 1.9 1.8 Other items Pretax income 1.8 2.0 4.0

