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Financial Ratio Formulas Cheat Sheet by [deleted] via cheatography.com/2754/cs/16403/

Introduction

Financial ratios vary across different industries and sectors and comparisons between completely different types of companies are often not valid. In addition, it is important to analyze trends in company ratios instead of solely emphasizing a single period's figures.

What is a ratio? It's a mathematical expression relating one number to another, often providing a relative comparison. Financial ratios are no different—they form a basis of comparison between figures found on financial statements. As with all types of fundamental analysis, it is often most useful to compare the financial ratios of a firm to those of other companies.

Financial ratios fall into several categories. For the purpose of this analysis, the commonly used ratios are grouped into **four catego-ries: activity, liquidity, solvency and profitability.** Also, for the sake of consistency, the data in the financial statements created for the prior installments of the Financial Statement Analysis series will be used to illustrate the ratios. Table 1 shows the formulas with examples for each of the ratios discussed.

Source: http://www.aaii.com/journal/article/16-financial-ratios-for--analyzing-a-companys-strengths-and-weaknesses.touch

Activity Ratios

Inventory turnover	cost of goods sold ÷ average inventory
Receivables turnover	net revenue ÷ average receivables
Payables turnover	purchases* ÷ average payables
Asset turnover	net revenues ÷ average total assets

Liquidity Ratios

Current ratio	current assets ÷ current liabilities
Quick ratio	(cash + short-term marketable securities + accounts receivable) ÷ current liabilities
Cash ratio	(cash + short-term marketable securities) ÷ current liabil- ities

Solvency Ratios

Debt-to-assets ratio	total liabilities ÷ total assets
Debt-to-capital ratio	total debt ÷ <i>(total debt</i> + total shareholder's equity)
Debt-to-equity ratio	total debt* ÷ total shareholder's equity
Interest coverage ratio	earnings before interest and taxes* ÷ interest payments

Financial Ratio Formulas



Financial Ratios with Formulas and Interpretation

Profitability Ratios

Gross profit margin	gross income ÷ net revenue
Operating profit margin	operating income ÷ net revenue
Net profit margin	net income ÷ net revenue
Return on assets (ROA)	net income ÷ total assets
Return on equity (ROE)	net income ÷ total stockholder's equity

Calculated terms:	
Ourchases	cost of goods sold + ending inventory – beginning inventory
Total debt	notes payable + current portion of long-term debt + long-term debt
Earnings before interest and taxes	net income + income taxes + interest expense



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