Topic 3: The 15 "Ratios" We Work With

Liquidity Ratios	$Current Ratio = \frac{Current \cdot Assets}{Current \cdot Liabilitie s}$
	$Quick Ratio = \frac{Current \cdot Assets \cdot Other \cdot than \cdot Inventory}{Current \cdot Liabilitie s}$
<u>Asset</u> <u>Management Ratio</u>	Receivable Turnover = $\frac{\text{Sales}}{\text{Accounts} \cdot \text{Re ceivable}}$
	$\frac{108}{100}$ Inventory Turnover = $\frac{\text{Sales}}{\text{Inventory}}$
	Fixed Asset Turnover = $\frac{\text{Sales}}{\text{Net} \cdot \text{Fixed} \cdot \text{Assets}}$
	Total Asset Turnover = $\frac{\text{Sales}}{\text{Total} \cdot \text{Assets}}$
Debt Management (long term solvency Ratios	Interest
	$Debt Ratio = \frac{Total \cdot Liabilitie s}{Total \cdot Assets}$
	Debt to Equity Ratio = $\frac{\text{Total} \cdot \text{Liabilitie s}}{\text{Equity}}$
	Equity Multiplier = $\frac{\text{Total} \cdot \text{Assets}}{\text{Equity}}$
Profitability Ration	$\frac{\text{DS}}{\text{Sales}} \qquad \text{Profit Margin} = \frac{\text{Net} \cdot \text{Income}}{\text{Sales}}$
	Return on Assets (ROA) = $\frac{\text{Net} \cdot \text{Income}}{\text{Total} \cdot \text{Assets}}$
	Return on Equity (ROE) = $\frac{\text{Net} \cdot \text{Income}}{\text{Equity}}$
I	Return on Invested Capital (ROIC) = $\frac{\text{EBIT} \cdot (1 - \text{tax} \cdot \text{rate})}{\text{Total} \cdot \text{Assets}}$
Economic Value Added (EVA) [a dollar difference, not a ratio] = [(EBIT)(1 - t)] - [(Total Assets)(WACC%)]	

DuPont Breakdown

$$ROA = \frac{NI}{TA} = \frac{NI}{S} \times \frac{S}{TA}$$

$$ROE = \frac{NI}{EQ} = \frac{NI}{S} \times \frac{S}{TA} \times \frac{TA}{EQ}$$

$$= ROA \times \frac{TA}{EQ}$$