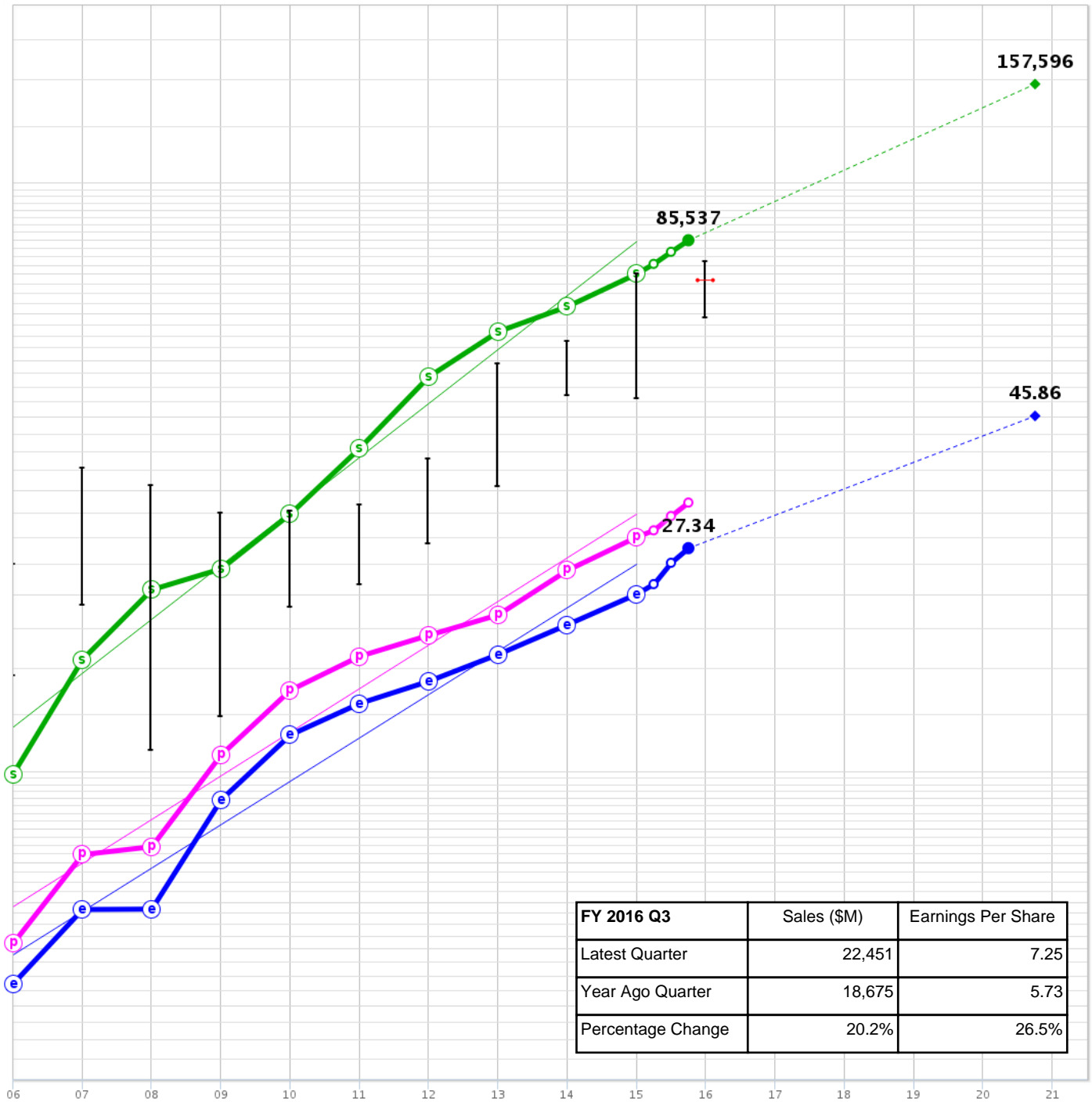


Company	Alphabet		Date	11/16/16	
Prepared by	MURPHY		Data taken from	BI Stock Data	
Where traded	NAS	Industry	Internet Content & Information		
Capitalization --- Outstanding Amounts	Reference				
Preferred (\$M)	0.0	% Insiders	% Institution		
Common (M Shares)	747.0		0.4	34.3	
Debt (\$M)	3,938.0	% to Tot Cap	2.9	% Pot Dil	8.6

Stock Selection Guide

Symbol: GOOGL

1 VISUAL ANALYSIS of Sales, Earnings, and Price



- | | | | |
|-----------------------------------|-------|--|-------|
| (1) Historical Sales Growth | 23.5% | (3) Historical Earnings Per Share Growth | 18.5% |
| (2) Estimated Future Sales Growth | 13.0% | (4) Estimated Future Earnings Per Share Growth | 10.9% |

2 EVALUATING Management

Alphabet

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Last 5 Year Avg.
Pre-tax Profit on Sales	37.8%	34.2%	26.9%	35.4%	36.8%	32.5%	26.7%	24.2%	26.1%	26.2%	27.1%
% Earned on Equity	21.1%	18.3%	14.8%	11.1%	11.2%	10.7%	8.9%	8.5%	14.0%	13.5%	11.1%
% Debt To Capital	0.0%	0.0%	0.0%	0.0%	7.0%	6.7%	7.2%	5.7%	4.8%	4.2%	5.7%

3 PRICE-EARNINGS HISTORY as an indicator of the future

This shows how stock prices have fluctuated with earnings and dividends. It is building block for translating earnings into future stock prices.

CLOSING PRICE 779.98 (11/16/16)

HIGH THIS YEAR 839.00

LOW THIS YEAR 672.66

	A	B	C	D	E	F	G	H
Year	Price		Earnings	Price Earnings Ratio		Dividend	% Payout	% High Yield
	High	Low	Per Share	High A / C	Low B / C	Per Share	F / C * 100	F / B * 100
2011	323.7	236.7	14.89	21.7	15.9	0.00	0.0	0.0
2012	387.6	278.5	16.25	23.9	17.1	0.00	0.0	0.0
2013	561.0	348.1	18.04	31.1	19.3	0.00	0.0	0.0
2014	615.0	497.2	20.27	30.3	24.5	0.00	0.0	0.0
2015	798.7	490.9	22.84	35.0	21.5	0.00	0.0	0.0
AVERAGE		370.3		28.4	19.7			
CURRENT/TTM			27.34					
AVERAGE PRICE EARNINGS RATIO: 24.0				CURRENT PRICE EARNINGS RATIO: 28.5				

4 EVALUATING RISK and REWARD over the next 5 years

Assuming one recession and one business boom every 5 years, calculations are made of how high and how low the stock might sell. The upside-downside ratio is the key to evaluating risk and reward.

A HIGH PRICE - NEXT 5 YEARS

Avg. High P/E 30.0 X Estimate High Earnings/Share 45.94 = Forecasted High Price \$ 1,378.2

B LOW PRICE - NEXT 5 YEARS

(a) Avg. Low P/E 19.0 X Estimate Low Earnings/Share 22.84 = Forecasted Low Price \$ 434.0

(b) Avg. Low Price of Last 5 Years 370.3

(c) Recent Market Low Price 490.9

(d) Price Dividend Will Support $\frac{\text{Indicated Dividend}}{\text{High Yield}} = \frac{0.00}{0.00\%} = 0.0$

Selected Forecasted Low Price \$ 620.0

C ZONING using 25%-50%-25%

Forecasted High Price 1,378.2 Minus Forecasted Low Price 620.0 = 758.2 Range. 25% of Range 189.6

Buy Zone 620.0 to 809.6

Hold Zone 809.6 to 1,188.7

Sell Zone 1,188.7 to 1,378.2

Present Market Price of 779.98 is in the **BUY** Zone

D UPSIDE DOWNSIDE RATIO (POTENTIAL GAIN VS. RISK OR LOSS)

$\frac{\text{High Price } 1,378.2 - \text{Present Price } 779.98}{\text{Present Price } 779.98 - \text{Low Price } 620.0} = \frac{598.22}{159.98} = 3.7$ To 1

E PRICE TARGET (Note: This shows the potential market price appreciation over the next five years in simple interest terms.)

$\frac{\text{High Price } 1,378.2}{\text{Closing Price } 779.98} = 1.7670 \times 100 = 176.70 - 100 = 76.7\%$ % Appreciation

5 5-YEAR POTENTIAL

This combines price appreciation with dividend yield to get an estimate of total return. It provides a standard for comparing income and growth stocks.

A $\frac{\text{Indicated Annual Dividend } 0.00}{\text{Closing Price } 779.98} = 0.0000 = 0.0\%$ Current Yield

B AVERAGE YIELD - USING FORECAST HIGH P/E

$\frac{\text{Avg. \% Payout } 0.0\%}{\text{Forecast High PE } 30.00} = 0.0\%$

AVERAGE YIELD - USING FORECAST AVERAGE P/E

$\frac{\text{Avg. \% Payout } 0.0\%}{\text{Forecast Average PE } 24.50} = 0.0\%$

C COMPOUND ANNUAL RETURN - USING FORECAST HIGH P/E

Annualized Appreciation 12.1 %
Average Yield 0.0 %
Annualized Rate of Return 12.1 %

COMPOUND ANNUAL RETURN - USING FORECAST AVG P/E

Annualized Appreciation 7.6 %
Average Yield 0.0 %
Annualized Rate of Return 7.6 %