FIN 2704/2704X

Week 7 Slides



Stock Valuation

Learning objectives

Understand how stock prices depend on future dividends

Stockholders: Ways To Receive Cash Return

- If you buy a share of stock, you can receive cash in 2 ways:
 - 1. The company pays dividends
 - 2. You sell your shares, either to another investor in the market (secondary market) or back to the company (when a firm repurchases shares)
- As with bonds, the value of the stock is the present value of these expected cash flows



Stock: Dividends

- Dividends are cash disbursements to shareholders.
 - Firms are <u>not required</u> to pay dividends to their shareholders (each period dividends may be declared <u>at the discretion</u> of the Board of Directors).
 - Dividends are NOT a liability of the firm <u>until</u> a dividend has been declared by the Board.
- Consequently, a firm cannot go bankrupt for not declaring dividends.
- Dividends and Taxes
 - Dividend payments are not considered a business expense; therefore, they are <u>not tax deductible</u>.
 - In most jurisdictions, dividends received by individuals are <u>taxed</u> as <u>ordinary income</u>.
 - In Singapore, however, dividends are tax exempt at the individual shareholder recipient level.



Value: Several Kinds

There are several types of value, for example

- 1. Book Value: The price paid to acquire the asset (including betterments), less accumulated depreciation.
- 2. Market Value: The price of an asset as determined in a competitive marketplace.
- 3. Intrinsic Value: What an asset is really worth in theory. In finance, this real worth is estimated by the present value of the expected future cash flows discounted at the decision maker's required rate of return from CAPM or its true required rate of return.

Determinants of Intrinsic Value

- The primary determinants of the intrinsic value of an asset to an individual are:
 - Size and timing of the expected future cash flows.
 - The individual's required rate of return (as we've seen, this is determined by a number of other factors such as risk/return preferences, returns on competing investments, expected inflation, tax rates applicable to the individual, etc.)
- Note that the intrinsic value of an asset can be, and often is, different for each individual (that's what makes markets work).
 - If markets are efficient, market value should equal intrinsic value for the marginal investor

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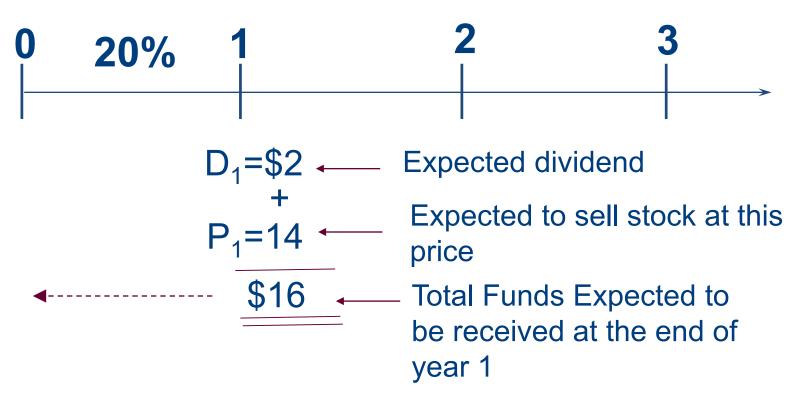
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Stock Value: 1-Period Example

- Suppose you are thinking of purchasing the stock of Moore
 Oil, Inc. and you expect it to pay a \$2 dividend in 1 year
 and you believe that you can sell the stock for \$14 at that
 time.
- If you require a return of 20% on investments of this risk, what is the maximum you would be willing to pay?

Stock Value: 1-Period Example

Using a Time-Line



 $P_0 = $16 * 1/(1.20) = Value of the stock at time 0$



Stock Value: 1-Period Example

- Compute the PV of the expected cash flows, i.e. compute P₀
 - Scientific Calculator:
 - Price = (14 + 2) / (1.2) = \$13.33
 - Financial Calculator:

$$16 < FV > 20 < I/YR > 1 < N > \Rightarrow < CPT > < PV > -13.33$$

Recall the reversal of sign for PV computation

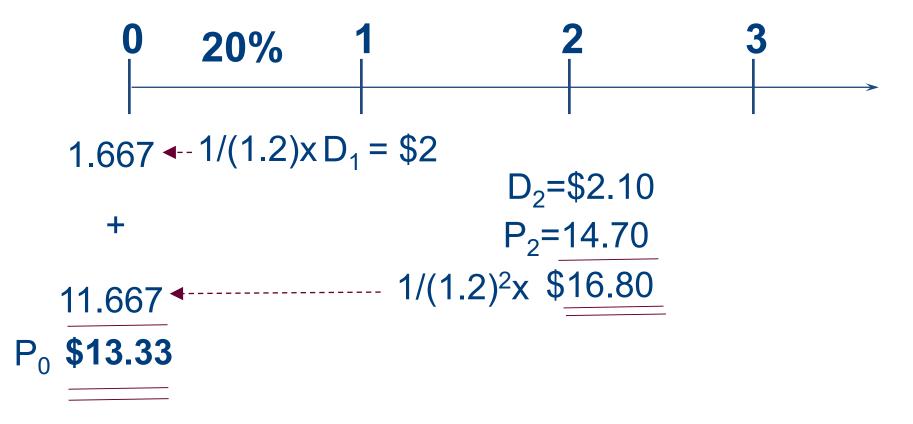
Stock Value: 2-Period Example

- Now what if you decide to hold the stock for 2 years?
- In addition to the dividend in one year, you expect a dividend of \$2.10 and a stock price of \$14.70 at the end of year 2. Now how much would you be willing to pay?



Stock Value: 2-Period Example

Using a Time-Line



ASIDE: Stock Value: 2-Period Example

TI BA II Plus Financial Calculator

Use $<\downarrow>$ and $<\uparrow>$ to enter the following values.

```
CF<sub>0</sub>: 0 < ENTER > \rightarrow CF_0 = \$0
```

$$<\downarrow>$$
 C01: 2 → CF₁ = \$2

$$<\downarrow>$$
 F01: 1 \rightarrow Freq. of receiving \$2 is 1.

$$<\downarrow>$$
 C02: 16.80 \rightarrow CF₂ = \$16.80

$$<\downarrow>$$
 F02: 1 \rightarrow Freq. of receiving \$16.80 is 1.

Press <NPV> to display the current discount rate (I)

$$<\downarrow>$$
 NPV $<$ CPT $> \rightarrow$ NPV $=$ 13.33



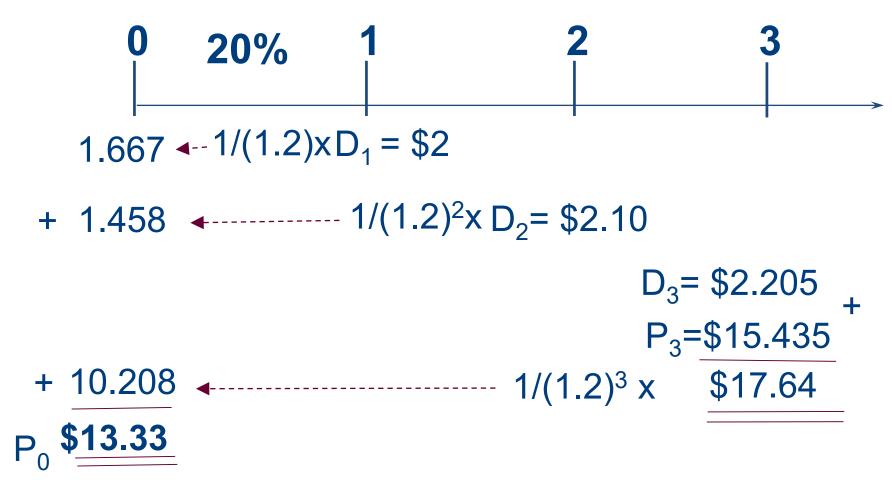
Stock Value: 3-Period Example

- Finally, what if you decide to hold the same stock for three periods?
- In addition to the dividends at the end of years 1 and 2, you expect to receive a dividend of \$2.205 at the end of year 3 and a stock price of \$15.435. Now how much would you be willing to pay?
 - ❖ PV = $2 / 1.2 + 2.10 / (1.2)^2 + (2.205 + 15.435) / (1.2)^3$ = 13.33
 - ❖ Or $CF_0 = 0$; $CF_1 = 2$; $CF_2 = 2.10$; $CF_3 = 17.64$; I/YR = $20 \Rightarrow NPV = 13.33$



Stock Value: 3-Period Example

Using a Time-Line



Stock Value: Developing The Model

- You could continue to delay when you would sell the stock
- You would find that the price of the stock is really just the present value of all expected future dividends

$$\hat{\mathbf{P}}_{t} = \frac{\mathbf{D}_{t+1}}{(1+r_{E})^{1}} + \frac{\mathbf{D}_{t+2}}{(1+r_{E})^{2}} + \frac{\mathbf{D}_{t+3}}{(1+r_{E})^{3}} + \dots + \frac{\mathbf{D}_{\infty}}{(1+r_{E})^{\infty}}$$

 But how can we estimate all future dividend payments? There are some simplifying cases that make this estimation easier.

Summary

- Two types of cash flows from a stock in:
 - 1. Dividends
 - 2. When you sell your shares
- The value of the stock is the present value of these expected cash flows

Dividend Growth Model



Learning objectives

 Understand how stock prices depend on future dividends and dividend growth

- Be able to compute stock prices using the Dividend Growth Model (also called the Dividend Discount Model)
- Be able to compute a stock's expected return from DGM

Estimating Dividends: Special Cases

- 1. Constant Dividend (Zero-Growth Dividend)
 - The firm will pay a constant dividend forever
 - The price is computed using the <u>perpetuity formula</u>
- 2. Constant Dividend Growth (Stable Growth)
 - The firm will increase the dividend by a constant percent every period
- 3. Supernormal Growth (Non-constant Growth)
 - Dividend growth is not consistent initially, but settles down to constant growth eventually



Scenario 1: Firm Pays Constant Dividends

If dividends are expected at regular intervals forever, then this is like preferred stock and is valued as a perpetuity:

General formula for perpetuity

$$PV = \frac{PMT}{i}$$

Formula for Price of Stock
Paying Constant Dividend1

$$P_0 = \frac{D_1}{r_E}$$

Cost of equity - required return of stockholders
Usually estimated using CAPM

Constant Dividend Example

Suppose a stock is expected to pay a \$0.50 dividend every quarter and the required return is **10% with quarterly compounding**. What is the price?

$$P_0 = .50 / (.1 / 4) = $20$$

The quoted rate is divided by 4 to get the quarterly rate

Scenario 2: Constant Dividend Growth

The General Dividend Discount Model (DDM):

$$\hat{\mathbf{P}}_{0} = \frac{\mathbf{D}_{1}}{(1+\mathbf{r}_{E})^{1}} + \frac{\mathbf{D}_{2}}{(1+\mathbf{r}_{E})^{2}} + \frac{\mathbf{D}_{3}}{(1+\mathbf{r}_{E})^{3}} + \dots + \frac{\mathbf{D}_{\infty}}{(1+\mathbf{r}_{E})^{\infty}}$$

becomes

$$\hat{\mathbf{P}}_{0} = \frac{\mathbf{D}_{0}(1+g)^{1}}{(1+\mathbf{r}_{E})^{1}} + \frac{\mathbf{D}_{0}(1+g)^{2}}{(1+\mathbf{r}_{E})^{2}} + \frac{\mathbf{D}_{0}(1+g)^{3}}{(1+\mathbf{r}_{E})^{3}} + \dots$$

With a little algebra, this reduces to:

$$P_0 = \frac{D_0(1+g)}{r_E - g} = \frac{D_1}{r_E - g}$$
 Dividend in 1 year's time

Constant Dividend Growth

- The stable model is best suited for firms experiencing long-term stable growth.
- Generally, stable firms are assumed to grow at the rate equal to the long-term nominal growth rate of the economy (inflation plus real growth in GDP).
- Also

$$P_0 = \frac{D_1}{r_E - g}$$
 requires $r_E > g$

If $r_E \le g$, stock price is *infinite*.

This makes no economic sense. We can't use model unless (1) $r_F > g$ and

(2) g is expected to be constant forever.



Dividend Growth Model – Example

Suppose Moore Oil, Inc. is expected to pay a \$2 dividend <u>in</u> <u>one year</u>. If the dividend is expected to grow at 5% per year and the required return is 20%, what is the price?

- $P_0 = 2 / (.2 .05) = 13.33
- ➤ Note that the \$2 in the numerator is NOT multiplied by (1.05) in this example. Why?



An Example Incorporating CAPM

Assume equity beta β = 1.2, r_f = 7%, r_M = 12%; D_0 = 2.00; g = 6%.

- 1. What is the required rate of return on the firm's stock?
- 2. What's the stock's market value?

An Example Incorporating CAPM

Step1: Use the CAPM to calculate r_E:

$$r_E = r_f + \beta (r_M - r_f)$$

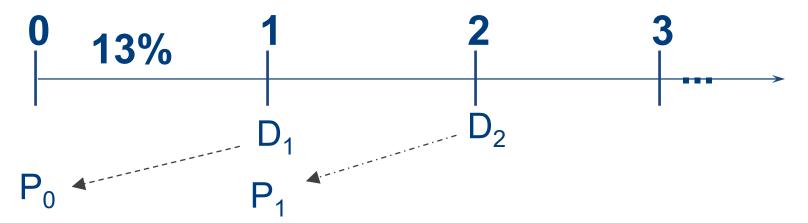
= 7% + (1.2)(12% - 7%)
= 13%

Step 2: Apply the constant growth model:

$$P_0 = \frac{D_1}{r_E - g} = \frac{\$2.12}{0.13 - 0.06}$$
$$= \$30.29$$

An Example Incorporating CAPM

What is the stock's market value one year from now, P₁?



 D_1 will have been paid, so expected dividends are D_2 , D_3 , D_4 and so on. Thus,

$$P_1 = \frac{D_2}{r_E - g} = \frac{\$2.247}{0.13 - 0.06}$$

= \\$32.10



Example Continued

Find the expected dividend yield, capital gains yield, and total return during the first year.

Dividend yield =
$$\frac{D_1}{P_0}$$
 = $\frac{\$2.12}{\$30.29}$ = **7.0**%

Cap gains yield =
$$\frac{P_1 - P_0}{P_0} = \frac{\$32.10 - \$30.29}{\$30.29} = 6.0\%$$

Total return =
$$7.0\% + 6.0\% = 13.0\%$$

= $((\$32.10-\$30.29)+\$2.12) / \30.29



Return Components:

For Constant Growth Scenario Only

If you rearrange the model to the rate of return form:

$$P_0 = \frac{D_1}{r_E - g}$$
 to $r_E = \frac{D_1}{P_0} + g$

Then,
$$r_E$$
 = \$2.12/\$30.29 + 0.06
= 0.07 + 0.06 = 13%



What Would P_0 be if g = 0?

The dividend stream would be a perpetuity



$$P_0 = \frac{PMT}{i} = \frac{\$2.00}{0.13} = \$15.38$$



Scenario 3: Non-Constant Growth Example

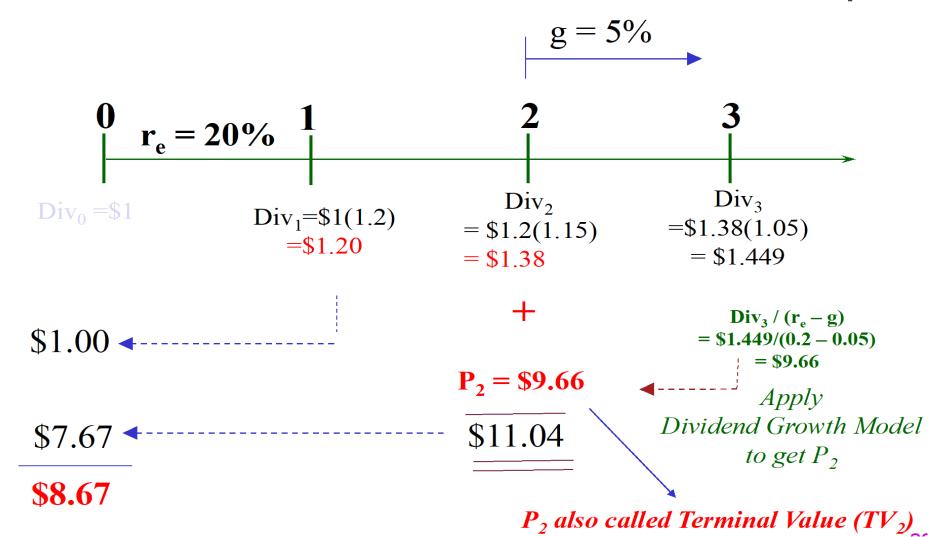
Suppose a firm is expected to increase dividends by 20% in one year and by 15% two years from now. After that, dividends will increase at a rate of 5% per year indefinitely. If the last dividend was \$1 and the required return is 20%, what is the price of the stock?

Scenario 3: Non-Constant Growth Example

- Remember that we must find the PV of <u>all</u> expected future dividends.
- Can no longer use constant growth model
- However, growth becomes constant after 2 years, so we can incorporate the constant growth formula
- Draw a timeline it helps to visually see the cash flows



Timeline of Non-constant Growth Example



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Non-Constant Growth – Example Solution

- Compute the dividends until growth levels off
 - \rightarrow D₁ = 1(1.2) = \$1.20
 - \triangleright D₂ = 1.20(1.15) = \$1.38
 - \triangleright D₃ = 1.38(1.05) = \$1.449
- Find the expected future price (the Horizontal or Terminal Value) at time t = 2
 - $P_2 = D_3 / (r_E g) = 1.449 / (.2 .05) = 9.66$
- Find the present value of the expected future cash flows
 - $P_0 = 1.20 / (1.2) + (1.38 + 9.66) / (1.2)^2 = 8.67$



Quick Review-Part I

 What is the value of a stock that is expected to pay a constant dividend of \$2 per year if the required return is 15%?

• What if the company starts increasing dividends by 3% per year, beginning with the next dividend? The required return stays at 15%.

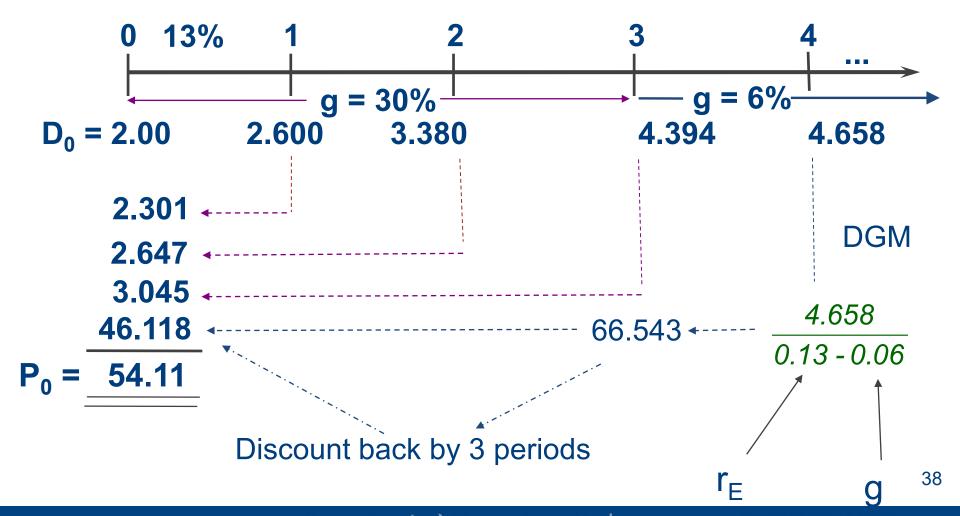
$$\$17.17 = 2*(1.03)/(0.15 - 0.03)$$



Quick Review-Part 2

- A firm expects supernormal growth of 30% for 3 years, then a long-run constant g = 6%.
- If the last dividend was \$2 and the required return is 13%, what is the current value of the stock?

Quick Review Part 2 - Draw a Timeline





Using the DGM to Find r_E

Start with the DGM:

$$P_0 = \frac{D_0 (1 + g)}{r_E - g} = \frac{D_1}{r_E - g}$$

Rearrange and solve for r_E

$$r_E = \frac{D_0 (1 + g)}{P_0} + g = \frac{D_1}{P_0} + g$$

Finding the Expected Return# - Example

Suppose a firm's stock is selling for \$10.50. They just paid a \$1 dividend and dividends are expected to grow at 5% per year.

What is the expected return#?

$$\hat{\mathbf{r}}_{E} = [1*(1.05)/10.50] + .05 = 15\%$$

What is the dividend yield?

What is the capital gains yield?

$$q = 5\%$$

Recall that this is also the *required return* under market equilibrium conditions.



Market Equilibrium

- In equilibrium, stock prices are stable and only change with relevant new information.
- There is no general tendency for people to buy versus to sell.
- In equilibrium, expected returns must equal required returns:

$$\mathbf{r}_{E} = \mathbf{r}_{f} + (\mathbf{r}_{M} - r_{f})\beta_{E}$$

$$r_{\rm E}^{^{\wedge}} = \frac{D_1}{P_0} + g$$

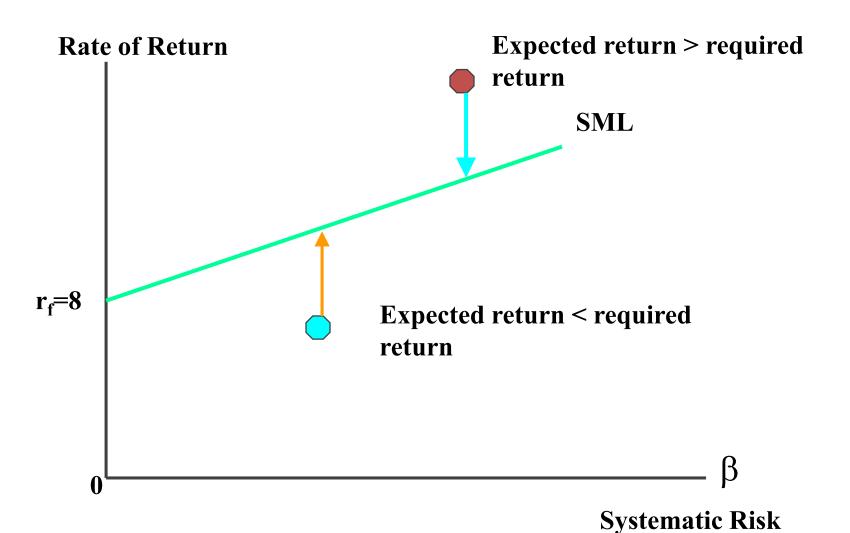
Expected Returns vs Required Returns

We will differentiate returns as follows:

- Expected returns are obtained by estimating dividends and expected capital gains.
 - Expected return is the return implied by the asset's expected future cash flows and current price
- Required returns are obtained from CAPM



How Is Equilibrium Established?



How Is Equilibrium Established?

If
$$\hat{r}_E = \frac{D_1}{P_0} + g > r_E$$
 then

 P_0 is "too low" (a bargain).

⇒ Current Price is under valued.

Buy orders > Sell orders

 \Rightarrow P₀ bid up and D₁/P₀ falls until

$$D_1/P_0 + g = r_E$$
 where $r_E = r_f + (r_M - r_f)\beta_E$



Why Do Stock Prices Change?

$$P_0 = \frac{D_1}{r_E - g}$$

1. r_E could change:

$$r_E = r_f + (r_M - r_f)\beta_i$$
.
 $r_f \approx r^* + Inflation Premium for expected inflation$
real risk-free interest rate

2. g could change due to a macroeconomic or firmspecific situation.

Example: Singapore Shares Fall On Week

After Fed Move

Singapore stocks fell this week after U.S. Federal Reserve maintained its projection for a third rate increase in 2017. Singapore's FTSE Straits Times Index ended little changed at 3,231.44 on Friday, ending the week 0.7% lower. This week's



losses came mainly from Thursday's decline after the Fed's move drove losses in the city-state's lenders and property developers.

Most other regional indexes also fell after the U.S. central bank delivered a widely-expected 25-basis-point rate increase and kept its forecast for another hike this year. This week's increase was widely expected, but investors were hoping for lowered projections for future hikes as the world's largest economy grapples with political uncertainty and mixed datasets. The Nikkei Asia300 Index was down about 0.9% this week, heading for its first weekly loss since April.

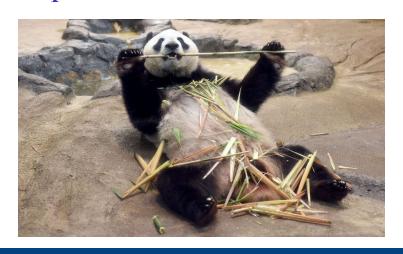
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Example: Tokyo Zoo Panda Gives Birth, Sending Shares in Retailers Surging

- •Ueno Zoo panda Shin Shin gives birth to at least one cub
- •Shares in nearby Chinese eatery Totenko surge as much as 38%

Tokyo's main zoo welcomed a baby panda for the first time in five years, sending shares of nearby restaurant operators surging on hopes of a boost to tourism in the central metropolitan area.

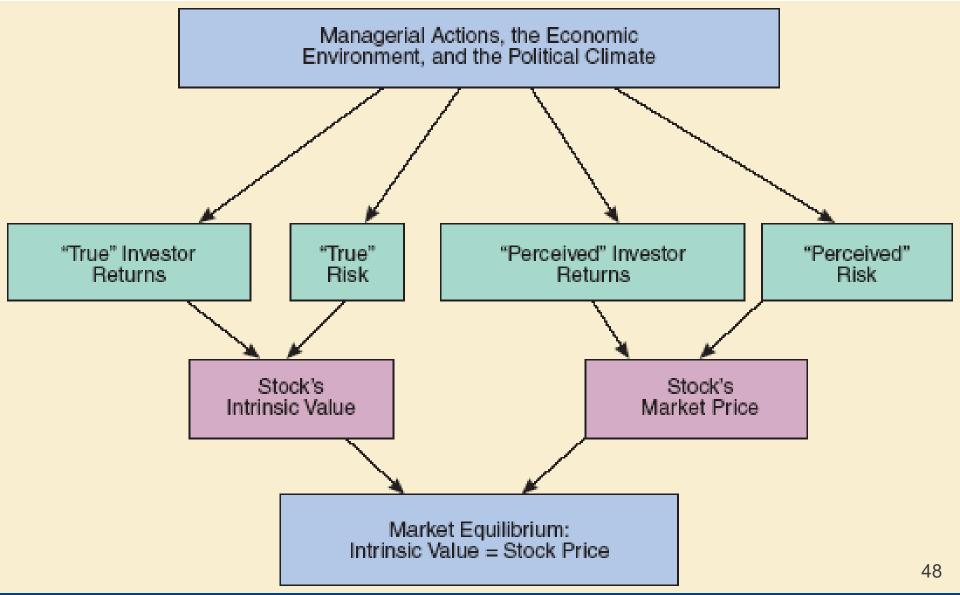
Totenko, which operates a Chinese eatery within walking distance of the zoo, jumped as much as 38 percent, while French restaurant Seiyoken advanced up to 11 percent.



Shares in both companies surged in February when the zoo announced that the pandas were mating. The Nikkei cited one estimate that put the economic impact of the baby panda at 26.7 billion yen (\$242 million).

- Bloomberg, 12th Jun 2017

Determinants of Intrinsic Value and Stock Prices



Features of Preferred Stock

- Preferred Dividends
 - Stated dividend must be paid before dividends can be paid to common stockholders
 - not a liability of the firm and can be deferred indefinitely
 - Most are *cumulative* any missed preferred dividends have to be paid before common dividends can be paid
- Preferred stock generally do not carry voting rights.



Features of Preferred Stock

If preferred stock with an annual dividend of \$5 sells for \$50, what is the preferred stock's expected return (\hat{r}_p) ?

```
V_p = D / r_p (a perpetuity)

$50 = $5 / r_p

= $5 / $50

\hat{r}_p = 0.10 = 10\%
```

Summary

- Computing stock prices using the Dividend Growth Model:
 - Constant Dividend
 - 2. Constant Dividend Growth
 - 3. Supernormal Growth
- Computing expected return from DGM
 - Expected return vs. required return
 - Market equilibrium
- Preferred stocks



Corporate Value Model

Learning objectives

Be able to compute stock prices using the Corporate Value Model

Corporate Value Model

- Also known as the free cash flow method.
- It suggests the value of the entire firm equals the present value of the firm's free cash flows.
 - Thus we're essentially using the DCF (discounted cash flow) method to find the firm's total *value today*.
- Recall that Cash Flow from Assets (CFFA) (or free cash flow) is the firm's after-tax operating income less the net capital investment in fixed assets and investment in operating working capital:

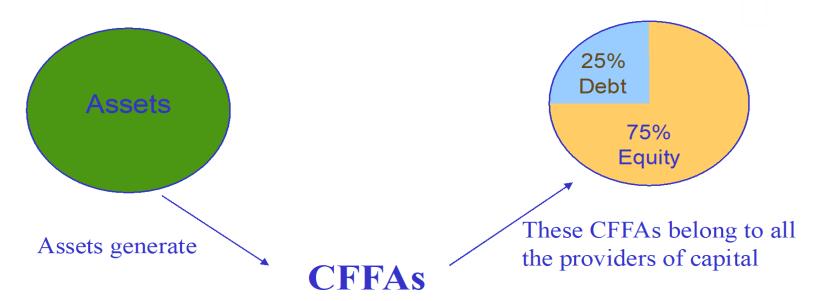
CFFA = OCF – NCS – Changes in NOWC

 Previously, we found a firm's past CFFA when we considered its past year's Income Statement and Balance Sheet. Now we need to find *projected* CFFAs from *projected* Balance Sheets and Income Statements.



Corporate Value Model

• These projected CFFAs are cash flows expected to be generated by the firm and belonging to all the firm's providers of capital). Thus they are to be discounted back by the firm's cost of capital WACC (weighted average cost of capital). In subsequent classes we will discuss this WACC and how it weights the firm's cost of equity r_E as well as its cost of debt r_D)



CFFAs are the cash flows *generated* by a firm's operating assets for a given period, *after* taking into account investment needed in fixed assets and working capital. Thus its cash *available* to the providers of capital

Applying the Corporate Value Model: The Steps

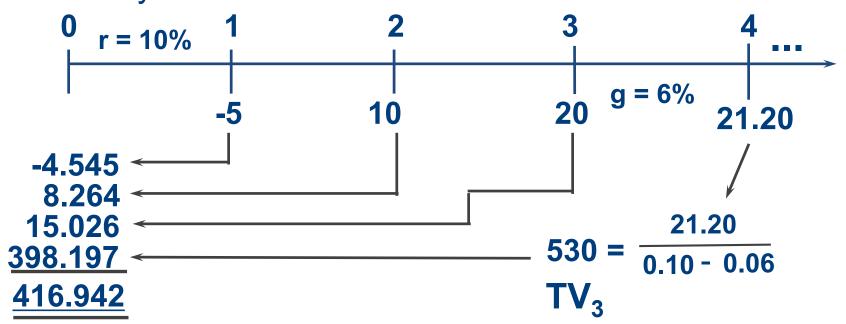
- Find the market value (MV) of the firm, by finding the PV of the firm's future CFFAs.
- From that firm value, subtract Market Value of firm's debt and preferred stock to get <u>Market</u> Value of common stock.
- Divide this Market Value of common stock by the number of shares outstanding to get intrinsic stock price (value) per share.

Using The Corporate Value Model

- This method is often preferred to the dividend growth model, especially when considering the number of firms (e.g. Amazon & Google) that don't pay dividends and/or when dividends are hard to forecast.
- Similar to dividend growth model as it assumes at some point free cash flow will grow at a constant rate.
- Terminal value (TV_N) represents value of firm as a whole at the point that growth becomes constant, i.e., time N.
 - It is similar to the Dividend Growth Model (also called the Dividend Discount Model) where we have terminal value estimate for the price of the stock P_N at time N.

Example: Corporate Value Model

The below timeline indicates the firm's **projected** CFFAs (in \$Millions): CFFA₁ = -5, CFFA₂ = 10, CFFA₃ = 20. After year three, the firm is expected to have a long-run constant g_{CFFA} = 6%. It has a Weighted Average Cost of Capital (WACC) of 10%. Use the corporate value model to find the firm's intrinsic value today.



Example: Corporate Value Model

If the firm has \$40 million in debt and has 10 million shares of stock, what is the firm's intrinsic value per share?

- <u>MV of equity</u> = MV of firm MV of debt = \$416.94 - \$40
 - = \$376.94 million
- Value per share = MV of equity / # of shares
 - = \$376.94 / 10
 - = \$37.69



Summary

Corporate Value Model:

The value of the *entire firm* equals the present value of the *firm's* free cash flows

How do we compute stock price using CVM?

- 1. Find the PV of the firm's future CFFAs
- 2. Then subtract Market Value of firm's debt and preferred stock to get Market Value of common stock
- 3. Then Divide this Market Value of common stock by the number of shares outstanding to get intrinsic stock price (value) per share

Appendix (Not examinable)

Another Approach to Corporate Valuation (Multiples Method)

Learning Objectives

(Not examinable)

- Multiples Approach
- Understand how securities are sold to the public and the role of investment bankers
- Understand initial public offerings & rights issues



Valuation with Multiples

- ⇒The *multiples method* of valuation can be used to obtain a quick idea of value when the determinants of value are not so clear or readily available. Under this method, the *observed prices of assets similar* to the asset of interest (traded securities and/or similar deals) *are appropriately scaled and then used to estimate the value of the asset concerned* (often a non-traded security and/or incomplete deal).
- ⇒ To apply the multiples method, the following are needed:
 - · Similar firms, and
 - A means to scale prices (i.e., compare relative sizes of firms)
- ⇒ The multiples method can serve as a rough "market" check on values obtained using other valuation methods such as Corporate Value.



Valuation with Multiples:

- - Equity Value Firm = Average [P/E Similar Firms] * Net Income Firm
 - ► \$2 Billion in Equity Value = (\$20 share/ \$1 Earnings per Share) * 100 Million in NI

 The average P/E is called "the industry's average P/E ratio" or

 "the P/E ratio of comparables."
- ⇒ Common Multiples Used:
- Generic: EPS, Operating Earnings, EBIT, EBITDA, Sales
- <u>Specific</u>: subscribers, hits, square footage, proven reserves (the most accurate multiples are usually industry-specific multiples).



Valuation & Multiples

⇒ When Using Multiples:

• The higher is the basis for the multiple in the income statement (e.g., Sales vs. EBIT), the less important are accounting differences.

⇒ Some General Problems with Using Multiples:

- Usually heavy reliance on accounting data (especially P/E ratio)
- No reflection of unique aspects of firms in industry (e.g., marketing strategies, technological differences, age of assets...)
- Often hard to find comparable firms.
- The average ratio from a sample of comparable could have a wide range.

How Firms Issue Securities

- Firms can sell their debt and equity:
 - To the public at large through a public offering.
 - To qualified investors through a private placement.
- Both distribution channels are usually regulated.

How Firms Issue Securities

Private placement

- Tailored to meet specific needs
- Does not have to register with a government agency
- Flexible, discreet, and speedy method of raising funds
- Drawback absence of organized trading in privately held securities

General Cash Offerings

- Securities are offered to the general public
- Needs the involvement of underwriters (usually investment banks):
 - 1. Formulate the issue method
 - 2. Price the new securities
 - 3. Sell the new securities



How Firms Issue Securities

Public offerings

- Registered with government body
- Use investment banks
 - Type and amount of securities
 - Approval of government agencies
 - Appropriate selling price
 - Best time for the offering
 - Stimulate widespread interest in the offering



Initial Public Offering (IPO)

- The first public equity issue that is made by a company
- This happens when a private company decides to go public.
- Also known as unseasoned new issue
 - as opposed to seasoned equity offering (SEO) which refers to a new issue by a company with securities that have been previously issued

Rights Offering

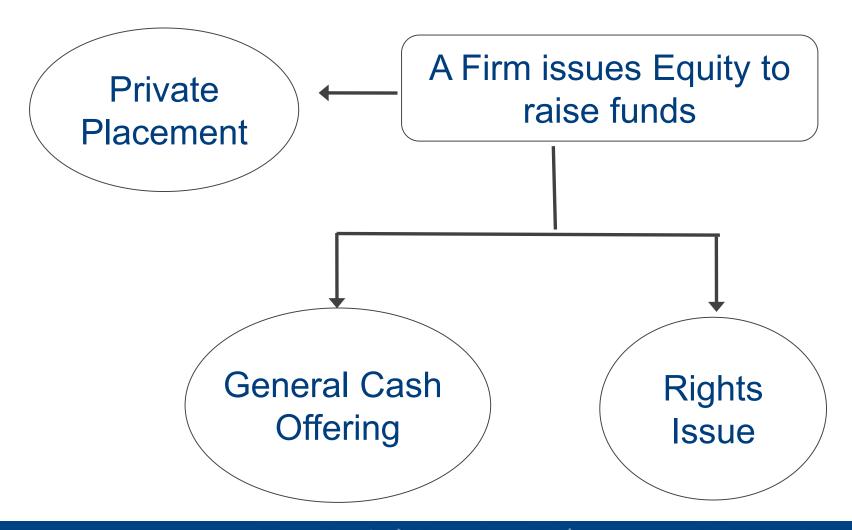
- Issue of new stock to existing shareholders on a privileged-subscription basis.
- Firm distributes to its shareholders rights to subscribe for additional shares at a specified price.

Shareholders can do one of the following:

- 1. Exercise their rights and subscribe for the shares.
- 2. Sell the rights to interested investors if they do not want to buy new shares.
- 3. Do nothing and let the right expire.



Issue Methods



Quick Review – Part 3

- What are the different methods a company can raise equity capital?
- What is an initial public offering?
- What is a rights offering?



In the News: HP Drops as Hurd Quits, Leaving Lesjak Slowing Growth

by Aaron Ricadela, August 09, 2010, Bloomberg

- Hewlett-Packard Co. slid the most in six years in New York trading following the Aug. 6 resignation of Chief Executive Officer Mark Hurd, who leaves behind a company with slowing growth and a senior staff that may be distracted by jockeying for the top job.
- Hewlett-Packard slid \$3.70, or 8 percent, to \$42.60 at 4 p.m. in New York Stock Exchange composite trading -- the biggest drop since August 2004.



Example: Stock Value Headlines

Microsoft Raises Dividend, Authorizes Debt Reuters, Sept 22, 2010

SEATTLE, USA - Microsoft Corp raised its quarterly dividend by 23 per cent to 16 cents per share on Tuesday, its first increase in two years, marking the latest move by a technology company to return cash to shareholders frustrated by stagnant share prices. The world's largest software company, whose stock is trading at the same level it was eight years ago, has been under pressure to distribute more of the US\$37 billion (\$49.17 billion) of cash on its balance sheet.

Example: AIA Debut Headlines Hong Kong IPO Boom

by By NISHA GOPALAN, The Wall Street Journal, 21/9/10

 Companies ranging from coking coal miners and traders to clean energy producers launched plans for initial public offerings in Hong Kong on Monday, while American International Group Inc.'s pan-Asia life insurer, AIA Group Ltd., moved a step closer to a long-awaited IPO there that could be the world's second-biggest IPO this year and whose stock is already publicly listed and traded.

Example: DBS Aims To Raise \$4b Through 1-for-2 Rights Issue

AFP, Dec 23rd, 2008

- DBS Group Holdings said yesterday that it plans to raise about \$4 billion in a rights issue.
- The funds will beef up the bank's balance sheet at a time when global investors favour financial institutions with higher capital levels, DBS said in a statement.
- 'DBS is initiating this capital- raising exercise from a position of strength,' chief executive officer Richard Stanley said in the statement.
- 'The rights issue will enable DBS to capture opportunities to entrench our market position in key Asian markets and confidently weather the economic uncertainties ahead.'

