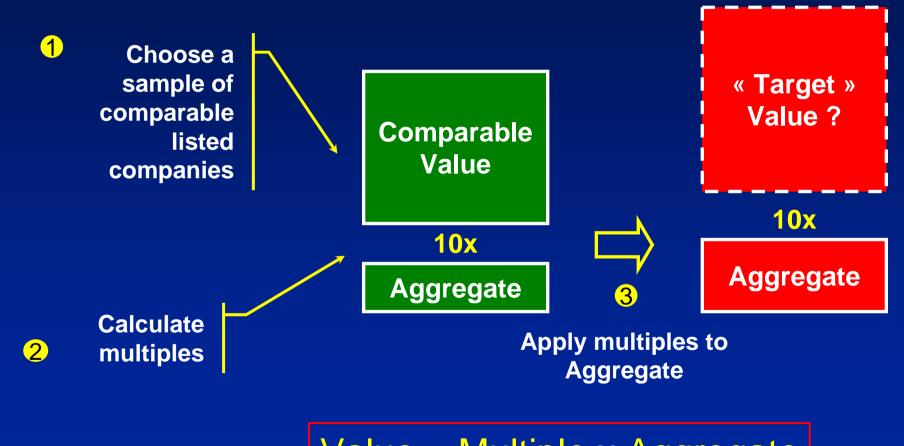
Multiples Method

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Introduction to method

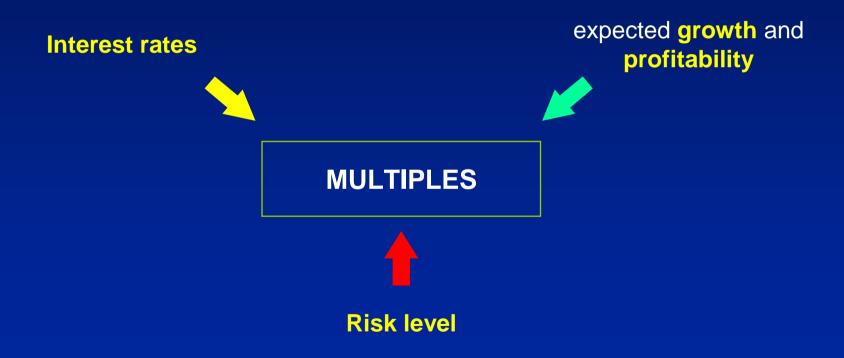
Three steps in multiple method:



Value = Multiple x Aggregate

Introduction to method

- Principle : applying to the target a multiple, observed on a sample of peers
- Multiples give a value which integrates :



1. Choose a sample of comparable listed companies (1/2)

- Listed companies multiples
 - Sample of comparable listed companies
 - Based on companies' market value and 3-year aggregates (typically, last fiscal year and next two fiscal year consensus estimates)
- Multiples are all the more relevant as
 - Sample companies are comparable in terms of growth and profitability
 - Stock prices do make sense (liquidity et market efficiency)

1. Choose a sample of comparable listed companies (2/2)

- Transactions Multiples
 - Transactions on public or private companies
 - Multiples based on prices paid by acquirers (for 100% of the acquired company)
- Multiples are all the more relevant as
 - Sample companies are comparable in terms of growth and profitability
 - Transactions are recent and well documented

2. Calculating multiples – EV multiples

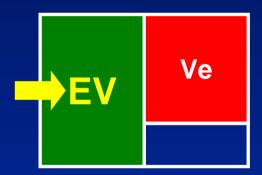
Operating Multiples / sales

$$x \text{ Sales} = \frac{EV}{\text{Sales}}$$

EBITDA Multiples

$$X EBITDA = \frac{EV}{EBITDA}$$

EBIT Multiples



2. Calculating multiples – Ve multiples

Price earnings ratio (PE)

$$PER = \frac{Ve}{Net Income} = \frac{Share Price}{Net EPS}$$

Cash Flow Multiple (PCF)

$$PCF = \frac{Ve+Vmi}{Cash Flow} = \frac{Share Price}{CF/share}$$

Price to Book (PB)



2. Calculating multiples – Ve multiples

PE is a classical reference...

- ...but it assumes an implicit capital structure
- PE allows to grasp:
 - The contribution of subsidiaries consolidated with the equity method
 - ... and minority interests
 - Tax situation of « target » peer.

3. Applying multiples – valuation range

Explain differences rather than use averages

EV/EBIT	peer A	peer B	peer C	average	Std. deviation
2004	12,0x	7,0x ?	49,0x ?	22,7x ?	22,9x ?
2005e	11,0x	11,0x	8,0x	10,0x	1,7x
2006e	10,0x	9,0x	6,0x	8,3x	2,1x

Average: 11,0x

Never calculate an average on several fiscal years