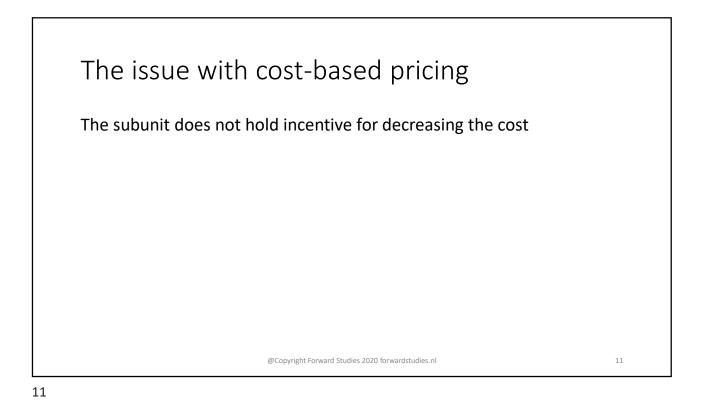
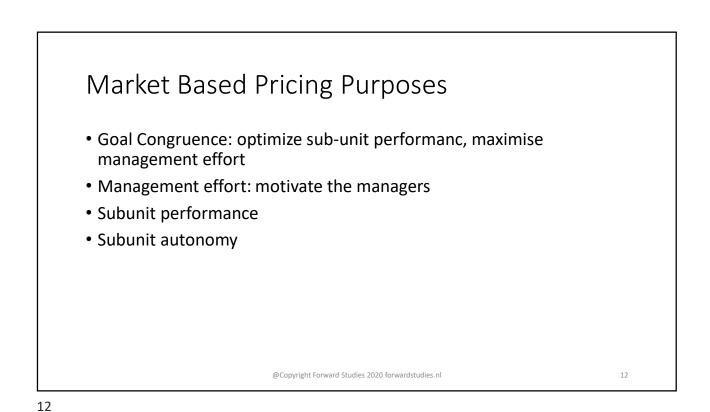


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Transportation Division:		
Purchase price per barrel of crude oil from the field under a long term contract	€15	
Other costs (given)		
Variable Cost of transporting per barrel of crude oil	€2	
Fixed Cost of transporting per barrel of crude oil	€3	
Total cost per barrel	€20	
Refining Division: The external purchase price of crude oil from outside	suppliers is €25 per barre	I
What is the cost based- transfer price at 112% of full	costs?	
What is the transfer price at market price?		
What is the (probably) negotiated transfer price? @Copyright Forward Studies 2020 forwardstu	ıdies.nl	10





## **General Guideline**

## Minimum transfer price = relevent costs per unit incurred + Opportunity costs per unit to the selling division

In other words, when there is spare capacity, opportunity cost = 0, transfer pricing should be minimum relevant costs

No spare capacity, there is opportunity cost, transfer pricing should minimally be market price

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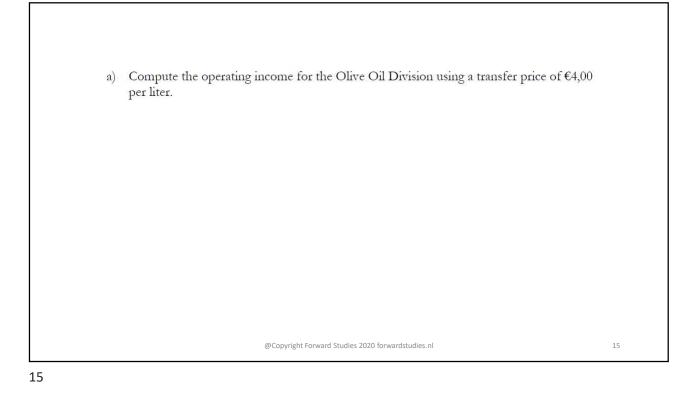
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MarLev Company recently acquired an olive oil processing company that has an annual capacity of 2.000.000 liters. Last year, the olive oil processing company processed and sold 1.400.000 liters last year at a market price of €4,00 per liter. The purpose of the acquisition was to furnish oil for the Spreads Division. The Spreads Division needs 800.000 liters of oil per year. It has been purchasing oil from suppliers at the market price. Production costs at capacity of the olive oil company, now a division of MarLev Company, are as follows:

Direct materials per liter	€	1,00
Direct labor costs per liter	€	0,50
Variable processing overhead	€	0,30
Fixed processing overhead	€	0,40
Total cost per liter	€	2,20

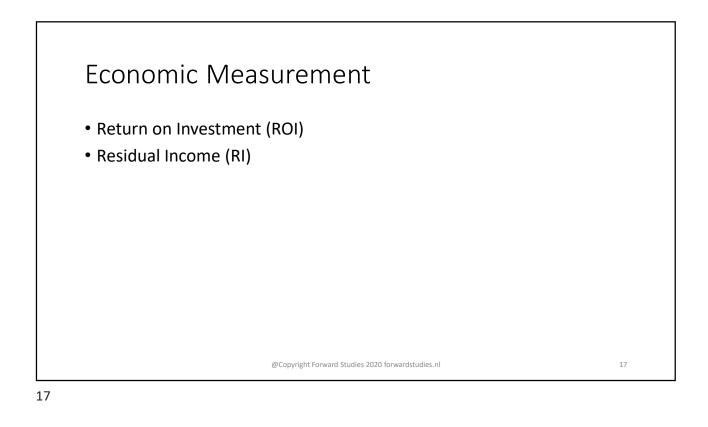
Management is trying to decide what transfer price to use for sales from the newly acquired company to the Spreads Division. The manager of the Olive Oil Division argues that €4,00 per liter, the market price, is appropriate. The manager of the Cooking Division argues that the full cost should be used plus a 10% profit markup, arguing that a 10% margin on sales to outside customers is difficult to achieve for the Cooking Division; therefore, he considers the offer very generous. Any output of the Olive Oil Division not sold to the Cooking Division can be sold to outsiders for €4,00 per liter.

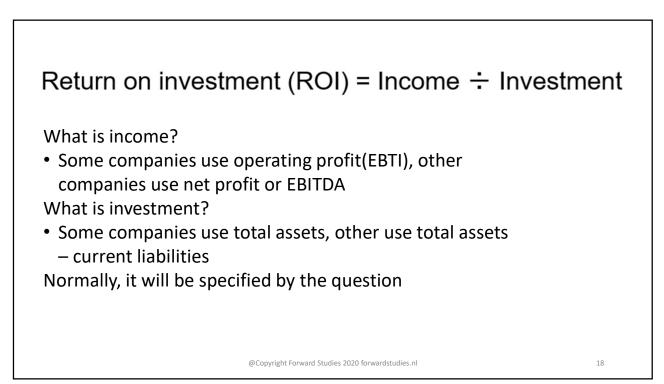
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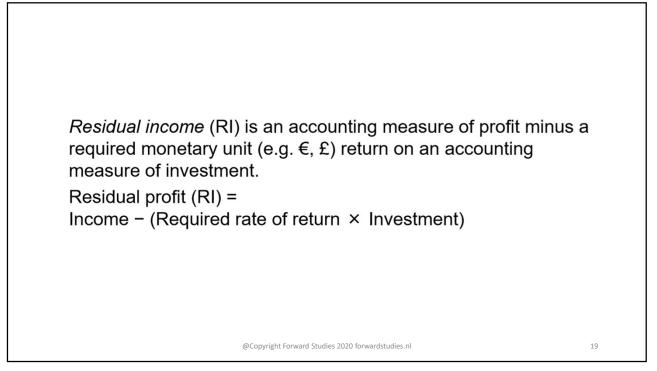


b) Compute the operating income for the Olive Oil Division using a transfer price of full cost plus 10% markup.

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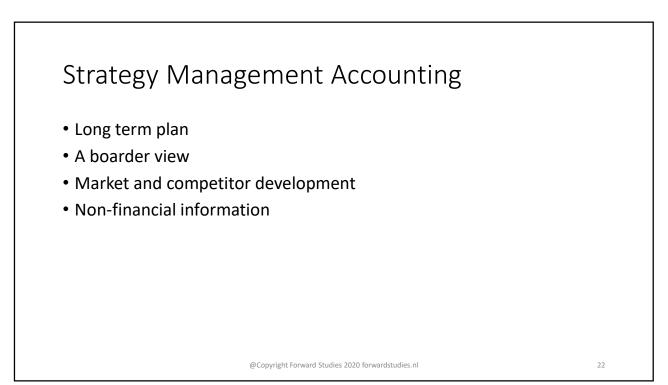




results for 2019		
Operating inco	ne	€ 3.500.000
Investment		€ 17.500.000
Required rate of	f return	12%
	planning an expansion, wh €3.000.000 and its income b	ich is requiring the Olive Oil Division to increase its y €500.000.

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