Advanced Accounting AY 2022/2023

Lesson 12 The DuPont Formula

Università degli Stucione 361







Determinants of asset turnover



Increase of asset turnover due to:

- Sales increase → positive if no change in sales mix or selling price
- Assets reduction → investigation needed → it could be caused by a failure to mantain non-current assets with the risk that operating efficiency is affected.
- Both of them.

Low asset turnover....

- Excess production?
- Bad inventory management?
- Poor collection practices?

How is possibile to improve?

- Increase revenues
- Liquidate assetes (obslolete/unused)
- Leasing
- Improve efficiency (better use of resources)
- Accelerate account receivables
- Better inventory management

Consider the following information, for last year, concerning two different businesses operating in the same industry.

	Andy plc	Billy plc
EBIT	20 m	15 m
Assets	100 m	75 m
Sales revenue	200 m	300 m

```
Andy's ROI = ?
Billy's ROI = ?
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Andy's ROS = ?
Billy's ROS = ?
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Andy's Asset Turnover = ?
Billy's Asset Turnover = ?
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Consider the following information, for last year, concerning two different businesses operating in the same industry.

	Andy plc	Billy plc
EBIT	20 m	15 m
Assets	100 m	75 m
Sales revenue	200 m	300 m
ROI	20%	20%
ROS (EBIT/Sales)	10%	5%
Asset turnover (Sales/Assets)	2	4

The ROI for each business is identical. The manner in which that return was achieved by each business is quite different.

A relatively high asset turnover can compensate for a relatively low operating profit margin. And viceversa.

