Important Financial Modeling and Valuation Formulas PDF

Formulas
Examples
with Units

List of 9
Important Financial Modeling and Valuation Formulas

1) Fifo Cost of Goods Sold Formula ↪

Evaluate Formula ↪

Formula

$$FCGS = LCGS - (ELR - BFR)$$

Example

$$105 = 125 - (75 - 55)$$

2) Fifo Net Income Formula ↪

Evaluate Formula ↪

Formula

$$FNI = LNI + \Delta LR \cdot (1 - T)$$

Example

$$158.25 = 125 + 35 \cdot (1 - 0.05)$$

3) Fifo Retained Earnings Formula ↪

Evaluate Formula ↪

Formula

$$FRE = LIFORE + LIFOR \cdot (1 - T)$$

Example

$$95.75 = 15 + 85 \cdot (1 - 0.05)$$

4) Lifo Reserve Formula ↪

Evaluate Formula ↪

Formula

$$LIFOR = FIV - LV$$

Example

$$85 = 195 - 110$$

5) Return on Common Equity Formula ↪

Evaluate Formula ↪

Formula

$$RCE = \frac{NI - PD}{ACE}$$

Example

$$2.0526 = \frac{1065 - 675}{190}$$

6) Segment Debt Ratio Formula ↪

Evaluate Formula ↪

Formula

$$SDR = \frac{SL}{SA}$$

Example

$$0.8125 = \frac{130}{160}$$

7) Segment Margin Formula ↪

Evaluate Formula ↪

Formula

$$SM = \frac{SP}{SR}$$

Example

$$0.5882 = \frac{100}{170}$$

8) Segment Roa Formula ↪

Formula

$$SROA = \frac{SP}{SA}$$

Example

$$0.625 = \frac{100}{160}$$

9) Segment Turnover Formula ↪

Formula

$$St = \frac{SR}{SA}$$

Example

$$1.0625 = \frac{170}{160}$$

Variables used in list of Financial Modeling and Valuation Formulas above

- **ACE** Average Common Equity
- **BFR** Beginning Lifo Reserve
- **ELR** Ending Lifo Reserve
- **FCGS** Fifo Cost of Goods Sold
- **FIV** Fifo Inventory Value
- **FNI** Fifo Net Income
- **FRE** Fifo Retained Earnings
- **LCGS** Lifo Cost of Goods Sold
- **LIFOR** Lifo Reserve
- **LIFORE** Lifo Retained Earnings
- **LNI** Lifo Net Income
- **LV** Lifo Inventory Value
- **NI** Net Income
- **PD** Preferred Dividends
- **RCE** Return on Common Equity
- **SA** Segment Assets
- **SDR** Segment Debt Ratio
- **SL** Segment Liabilities
- **SM** Segment Margin
- **SP** Segment Profit
- **SR** Segment Revenue
- **SROA** Segment Roa
- **St** Segment Turnover
- **T** Tax Saving
- **ΔLR** Change in Lifo Reserve

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