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Maths - Chapter 8 - Formulas - Money & Finance Cheat Sheet by Cheat via cheatography.com/128959/cs/29782/

Compound Interest

P - Principal Amount

 $I = P \times R^T$

I - Interest

T - Time

R - Rate

Example

| Earnings | Interest |
|---|---------------------------|
| Net Pay = Gross Income - Deductions | Simple Interest |
| Overtime half is time * 1.5 | $I = P \times T \times R$ |
| Double time is the time * 2 | I - Interest |
| | P - Principal Amount |
| Compound Interest Example | T - Time |
| P = \$70 million | R - Rate |
| R = 105% | |
| T = 3 years R = 1.05 | Simple Interest Examp |
| R = 1.05 L = P x R^T | P - \$300 |
| $I = (70,000,000 \times 0.05^{3}) - 70,000,000$ | R - 6% |
| I = 81,033,750 - 70,000,000 | T - 4 years |
| I = \$11,033,750 | R - 0.06 |
| | 300 x 4 x 0.06 |
| Percentage Gain & Loss | = \$72 |

Perc

SP - Selling Price CP - Cost SP = CP * ((100 + Profit %) / 100) CP = ((100 * SP) / 100 + Profit %) Loss % = Loss / CP



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