

OLYMPIAD · EVERYDAY MATHEMATICS · OLYMPIAD PREPARATION · FORMULA BANK

Chapter 12: Simple and Compound Interest

Every formula and result of the chapter on one sheet

1	Simple interest	$\frac{P \times R \times T}{100}$
2	Amount (simple)	$P + SI$
3	Amount (compound, yearly)	$P \left(1 + \frac{R}{100}\right)^n$
4	Compound interest	$A - P$
5	Half-yearly compounding	rate $\frac{R}{2}$, periods $2n$
6	Depreciation	$P \left(1 - \frac{R}{100}\right)^n$
7	Difference in 2 years	$CI - SI = P \left(\frac{R}{100}\right)^2$