

CUET UG Numerical & Quantitative Reasoning Handbook

Core Concepts, Shortcuts & Practice Areas for the General Test

Core Numerical Ability Topics

- Number Systems: HCF/LCM, Divisibility rules, Simplification
- Percentages, Profit & Loss, Simple & Compound Interest
- Ratio & Proportion, Averages, Mixtures & Alligation
- Time, Speed & Distance; Time & Work
- Basic Algebra and Mensuration (Area, Volume of standard shapes)

Quantitative Reasoning & Data Interpretation

- Reading and interpreting tables, bar graphs, and pie charts accurately
- Estimating answers quickly using approximation instead of exact long calculations
- Spotting trends and ratios across data sets under time pressure

Useful Quick Techniques

- **Percentage shortcuts:** Learn common fraction-to-percentage equivalents ($1/8 = 12.5\%$, $1/6 = 16.67\%$, etc.) to speed up calculations.
- **Approximation:** Round numbers to the nearest convenient value when exact precision isn't required by the answer options.
- **Elimination:** Use answer options to work backwards on numerical MCQs when direct calculation is slow.

Practice Strategy

Numerical Ability rewards speed built through repetition. Practise a mixed set of 20-25 questions daily under a strict time limit rather than untimed practice, since the real constraint in CUET's General Test is time, not difficulty.

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