



**ALL INDIA COUNCIL FOR
TECHNICAL SKILL DEVELOPMENT**
अखिल भारतीय तांत्रिक कौशल्य विकास परिषद

Aryabhata National Maths Competition - 2023

Syllabus - Class 11

Problem on Simple Interest

- Calculate Interest
- Calculate Profit / Loss
- Interest Appreciation / Depreciation

Problem on Trains

- Train Speed Calculations
- Train & Platform Measurements
- Train Arrival & Departure calculations

Ratio And Proportion

- Introduction
- Ratio
- Proportion



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● Unitary Method

Profit And Loss

- Finding Selling Price
- Finding Cost Price
- Profit And Loss

Comparing Quantities

- Introduction
- Equivalent Ratios
- Percentage Another Way Of Comparing Quantities
- Use Of Percentages
- Prices Related To An Item Or Buying And Selling
- Charge Given On Borrowed Money Or Simple Interest

Problem on Speed & Distance

- Calculate Speed & Velocity



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● Calculate Speed & Distance Proportion

Problem on AGEs

- AGE Calculations
- Problems on conditional AGE calculations
- Present & Past AGE calculations

Problem on True Discount

- Buying & Selling Prices Calculations
- Discounts in transaction calculations
- Profit ratio calculations