



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

Aryabhata National Maths Competition - 2023

Syllabus - Class 9

HCF & LCM

- Hcf
- Lcm
- Prime Factorisation
- Hcf By Prime Factorisation
- Lcm By Prime Factorisation
- Lcm By Division Method

Time & Work

- Problem on time & work calculation
- Finding Number Of Days From One Date To Another
- Railway And Air Timings
- Time Intervals



Ratio And Proportion

- Introduction
- Ratio
- Proportion
- Unitary Method

Profit And Loss

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

Comparing Quantities

- Introduction
- Equivalent Ratios
- Percentage Another Way Of Comparing Quantities
- Use Of Percentages



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- Prices Related To An Item Or Buying And Selling
- Charge Given On Borrowed Money Or Simple Interest

Problem on AGEs

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

Problem on Trains

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

Problem on True Discount

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