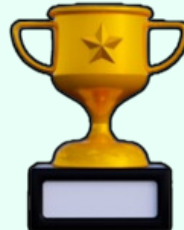# Aryabhatta National Maths Competition - 2024

Great Technology Scientist of Future INDIA – 2024 Search Program

Prize Money - Upto Rs.3 Lakhs

National Certificate - For Every Participant

National Trophy

National Medal

Please Note - All participants will receive a participation certificate, even if not selected in the final. These certificates are highly regarded in India and are awarded by AICTSD at the national level. The certificate holds substantial value and has the potential to significantly boost your academic and professional career.

Syllabus - Class 8

HCF & LCM

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

Percentages

- Expressing Fractions As Percentages
- Converting Percentages To Fractions
- Expressing Percentages As Decimals
- Expressing Decimals As Percentages
- Finding Percentage Of A Number
- Money And Metric Measures As Percentages
- Why Do We Use Percentages?

Ratio And Proportion

- **Introduction**
- **Ratio**
- **Proportion**
- **Unitary Method**

Profit And Loss

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

Averages

- **Averages**

Area And Volume

- **Area**
- **Finding Area When Whole Squares Are Not Covered**
- **Area Of Irregular Shapes**
- **Area Of A Rectangle Or Square**
- **Finding Length Or Breadth**
- **Perimeter**
- **Volume**
- **Volume Of A Cube**
- **Volume Of A Cuboid**