

AMC 8 Prep overview

Unit 1

- Overview of the AMC 8 format and scoring
- Basic strategies
- Pre-test

Unit 2

- Mental math tips and tricks (squares, divisibility, order of operations) • Word problems with arithmetic and estimation
- Factors, multiples, and prime numbers
- Practice problems

Unit 3

- Conversion between fractions/decimals/percentages
- Applications in word problems (e.g. percent increase/decrease) • Practice problems

Unit 4

- Introduction to algebraic expressions and equations
- Solving for unknowns (i.e. systems of equations)
- Arithmetic and geometric sequences
- Practice problems

Unit 5

- Perimeter, area, and volume
- Important formulas (i.e. circle, equilateral triangle, etc.) • Angle and triangle properties
- Practice problems

Unit 6

- Venn diagrams, grids, and logic tables
- Common logic problem types (matching, deduction, arrangement) • Mixed practice

Unit 7

- Timed practice
- Review and debrief
- Individual progress assessment and improvement areas • Final tips