



AMC 8 CURRICULUM

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Algebra and Arithmetic

- Algebra 1-Ratio & Proportion and its Uses , Factorization , Exponent and Logarithm , Sequences and Series , Basic inequalities
- Algebra 2- Solving Equations , Polynomials and Single and Multivariable equations and Algebraic Manipulations

Geometry

- Geometry 1- Triangle and Quadrilateral and its Properties, Polygons and Geometric Inequalities
- Geometry 2- Circles , Power of points and Transformation
- Geometry 3-Mensuration and 3 dimensional Geometric Figures, Curved Surfaces
- Geometry 4-beginning of Coordinate Geometry

Combinatorics

- Combinatorics 1- Basic Counting Principles , Permutation and Combination , Cyclic Permutation , Distribution Problems , Arrangement with repetitions
- Combinatorics 2- Binomial theorem , Box Principle

Number Theory

- Number Theory- Divisibility, G.C.D, Congruence , Number Theoretic Functions
- Problem Solving with Number Theory