

AMC 8

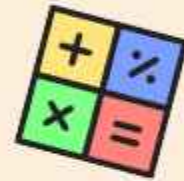
Custom program

48 hours

Algebra



Combinatorics



Geometry



Number Theory



Algebra

13 hours

Lesson	Topics
Lesson 1	Linear Equation & Simplifyng expressions
Lesson 2	System of Linear equation
Lesson 3	Ratios and Percentages
Lesson 4	Proportion
Lesson 5	Quadratic
Lesson 6	Completing the square, quadraic formula
Lesson 7	Basic inequality & Quadratic Inequality
Lesson 8	Speacial Factorization
Lesson 9	Polynomials
Lesson 10	Sequence and Series Day-1
Lesson 11	Sequence and Series Day-2
Lesson 12	Functions and Operatos
Lesson 13	Exponents and Logarithm

Combinatorics

12 hours

Lesson	Topics
Lesson 1	Counting In Arithmetic
Lesson 2	Basic Counting Techniques
Lesson 3	Constructive counting
Lesson 4	Permutation with & without Repitition
Lesson 5	Combination
Lesson 6	Poblems on Combination
Lesson 7	Distinguishability
Lesson 8	Some Harder Counting Problems
Lesson 9	Introduction to Probability
Lesson 10	Probability techniques
Lesson 11	Some Harder problems from Probability
Lesson 12	Pascals triangle

Geometry

13 hours

Lesson	Topics
Lesson 1	Angles, parallel lines
Lesson 2	Problem from exterior angles, transversals
Lesson 3	Congruences of Triangles
Lesson 4	Perimeter and Area
Lesson 5	Similarity of Triangles
Lesson 6	Right angle triangles, Pythagoras
Lesson 7	Median, Altitude, Bisectors
Lesson 8	About quadrilaterals and polygons
Lesson 9	Geometric inequality
Lesson 10	Circle- Area, Perimeter, Arc length
Lesson 11	Circles and angles
Lesson 12	Circles - tangents
Lesson 13	Area and Volume of some 3D figures

Number Theory

6 hours

Lesson	Topics
Lesson 1	Primes and Composites
Lesson 2	Multiples, Divisors, Remainders
Lesson 3	Prime Factorizations
Lesson 4	GCD, LCM and Euclidean Algorithm
Lesson 5	Divisors Problems
Lesson 6	Special Numbers (Factorials, Exponents, Palindromes)

Thank You

Passion for Mathematical Science

Let us know if you need more information.



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