AMC10 SUNDAY INTENSIVE

Seven Weeks of Focused Preparation Before the AMC10

This intensive course is for students planning to compete at the AMC10 this November who want to improve their performance on problems in the #10–#20 difficulty range.

The class meets for seven Sundays before the exam, 3:00–5:30 PM. Students may enroll in the full course or attend individual sessions as drop-ins.

The first five sessions each focus on a major AMC10 topic, combining key concepts and techniques with extensive problem solving. The final two sessions shift to targeted and full-test practice, with an emphasis on applying these skills. Homework will be assigned after each class.

Weekly Schedule

Date	Session	Topics Covered
Sept. 20	Lesson 1: Number Theory	Modular arithmetic and remainder patterns, advanced divisibility, integer equations.
Sept. 27	Lesson 2: Algebra	Algebraic identities. Equations and systems. Exponents and radicals. Sequences. Polynomials.
Oct. 4	Lesson 3: Geometry I	Advanced triangle problems. Area methods and ratios. Medians, altitudes, bisectors.
Oct. 11	Lesson 4: Counting & Probability	Advanced permutations and combinations, counting with restrictions, conditional and dependent probability.
Oct. 18	Lesson 5: Geometry II	Circle geometry, angles and tangents. Incircles and circumcircles. Coordinate geometry.
Oct. 25	Lesson 6: Targeted Practice (Problems #10–20)	Mixed practice at the target difficulty.
Nov. 1	Lesson 7: Full AMC 10 Practice Test	Full-test practice. Speed and strategy refinement, review.

Prerequisites

Students should have prior math-competition experience, ideally including AMC 8 preparation, and be comfortable with later AMC 8 problems or the first 10 problems of the AMC 10. They should have a solid foundation in algebra and geometry, as well as basic number theory, counting, and probability.

Grades: 8–10; younger students with relevant experience are welcome.

Pricing

$450 per full course · **$75** per drop-in session