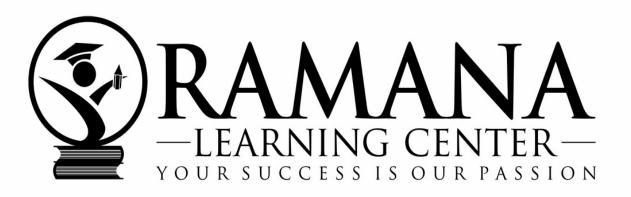




https://www.mathcounts.org

About



- Mathcounts is a U.S. nonprofit competition program for middle school students (grades 6-8)
- Founded in 1983: The program was created through a partnership between the National Council of Teachers of Mathematics, the National Society of Professional Engineers, the U.S. Department of Education, and others.
- Program structure: Includes school, chapter, state, and national rounds each round getting more challenging and competitive.

Why Math Contest?



- Enhances readiness for premier colleges
- Builds confidence in math and strengthens problem-solving skills
- Provides international recognition and fosters a lifelong interest in math
- Encourages collaboration with like-minded, math-passionate peers
- Boosts academic profiles to stand out on applications and qualify for scholarships

Competition Format



- Sprint Round 30 problems in 40 minutes; focuses on speed and accuracy without a calculator.
- Target Round 8 multi-step problems given in pairs; calculators allowed, emphasizes problem-solving and reasoning.
- Team Round 20 problems in 20 minutes; 4 students work together, testing collaboration and strategy.
- Countdown Round Fast-paced, head-to-head competition for top individuals; emphasizes quick thinking and accuracy.

Individual vs Team



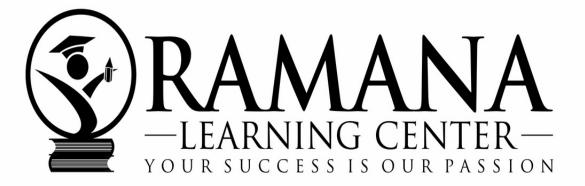
- All students participate in individual rounds (Sprint & Target)
- Team Round is only for the 4 team members from each school or chapter
- Countdown Round is optional; used to decide national winners
- Schools can send up to 1 team of 4 plus 8 additional individuals for a max of 12 competitors

Registration & Eligibility



- Register online at mathcounts.org/registration; fees range from \$40-\$50
 per student (early bird to late), with Non-School Competitor registration
 at \$70
- Competitions are held Chapter: Feb, State: Mar, National: May.
- For detailed information and to register, visit the official MATHCOUNTS registration page: mathcounts.org/registration
- Open to U.S. middle school students (grades 6–8); schools can register teams and individuals online, sending 1 team of 4 plus up to 8 additional students, and individuals may participate even without a full team.

Scoring & Awards



- Individual Scores: Sum of Sprint and Target Round points determines individual rankings.
- Team Scores: Sum of top 4 individual scores from a school/chapter for the Team Round.
- Countdown Round: Optional; used to break ties or determine national winners.
- Awards: Medals, trophies, and certificates for top individuals and teams at Chapter, State, and National levels.
- Advancement: Top scorers move from Chapter → State → National competitions

Rules



- Timing: Each round has strict time limits (Sprint: 40 min, Target: 6 min per pair of questions, Team: 20 min, Countdown: varies).
- Sprint round is no-calculator; Target allows calculator use.
- Team Composition: Team Round must consist of 4 students from the same school/chapter.
- Conduct: Students must work independently in individual rounds;
 collaboration allowed only in Team Round.
- Ties: Resolved first by Countdown Round, then by pre-determined tiebreaker rules.





- Algebra (equations, inequalities, patterns)
- Geometry (angles, areas, volumes, coordinate geometry)
- Number Theory (prime numbers, factors, divisibility)
- Counting & Probability
- Ratios, Proportions & Percents
- Word Problems & Logical Reasoning

Resources



- Official: mathcounts.org/resources (practice problems, past competitions, study guides)
- Books: The Art of Problem Solving series, Competition Math for Middle School
- Online Platforms: AoPS Online, Khan Academy, Brilliant.org
- Practice Tests: Chapter, State, and National level past papers available online.

