

OPPORTUNITIES FOR
HIGH SCHOOL MATH TEAMS
CONTESTS AND TOURNAMENTS AT YOUR SCHOOL
AND AROUND THE SOUTHEAST

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OUTLINE

CONTESTS

Paper

Web

TOURNAMENTS

In-State, High School

In-State, College

Out-of-State

A PATH TO MATHEMATICAL EXCELLENCE

From AMC to IMO

From Local to ARML

SIX ROUND CONTESTS

GEORGIA MATH LEAGUE \$75 fee

At least 5 students

www.mathleague.com

ATLANTIC-PACIFIC MATH LEAGUE \$75 fee

At least 10 students

mysite.verizon.net/atpachome

AMERICAN SCHOLASTIC MATH ASSOCIATION \$65 fee

At least 8 students

www.asan.com/asa

FIVE ROUND CONTESTS

MANDELBROT Regional or National,
\$32, both levels for \$48
At least 4 students
www.mandelbrot.org

CONTINENTAL MATH LEAGUE 9th grade
\$85 first team, additional \$70
At least 6 students
www.continentalmathematicsleague.com

FOUR-ROUND CONTESTS

CONTINENTAL MATH LEAGUE calculus

\$85 first team, additional \$70

At least 6 students

www.continentalmathematicsleague.com

THREE-ROUND CONTESTS

MANDELBROT TEAM PLAY \$32; up to 2 more teams at \$8 each

Must also register for Competition

4-student teams

www.mandelbrot.org

ROCKET CITY MATH LEAGUE FREE!

At least 5 students

www.rocketcitymath.org

MU ALPHA THETA LOG 1 FREE!

Three levels; at least 2 students per level

Topic test, ciphering, general

www.mualphatheta.org/Contests/Log1.aspx

NATIONAL ASSESSMENT & TESTING

FALL START-UP Individual speed contest

TEAM SCRAMBLE Full team speed contest

CIPHERING TIME TRIALS individual ciphering

FOUR-BY-FOUR 4-person team ciphering

COLLABORATIVE Week-long full team contest

\$50 each; all 5 for \$200

www.natassessment.com

WEB-BASED CONTESTS

I-TEST FREE

50+ problems, 5 days

Five students form a team on-line

www.theitest.com

ON-LINE MATH LEAGUE \$80 per level

Alg, Geo, Alg II, Calculus

At least 4 students per level

www.academicleagues.com/math.asp

JV AND VARSITY TOURNAMENTS

COBB COUNTY INVITATIONAL Don.Slater@cobbk12.ga.us

ROCKDALE cgarner@rockdale.k12.ga.us

LASSITER INVITATIONAL Don.Slater@cobbk12.ga.us

NORTHVIEW INVITATIONAL stone@fultonschools.org

ST. VALENTINE'S DAY MATHACRE mathacre.shorturl.com

DWIGHT LOVE/GREATER ATLANTA CHRISTIAN SCHOOL
clawrence@greateraltantachristian.org

In-State, College

VARSITY TOURNAMENTS

UNIVERSITY OF GEORGIA

MERCER UNIVERSITY

ARMSTRONG ATLANTIC JV

AUGUSTA STATE

GEORGIA SOUTHERN JV

GEORGIA SOUTHWESTERN

GEORGIA TECH JV

COLUMBUS STATE

NORTH GEORGIA COLLEGE

VALDOSTA STATE

TOURNAMENTS

VESTAVIA HILLS HIGH SCHOOL

DUKE UNIVERSITY

CHATTACHOOCHEE VALLEY

COLLEGE OF CHARLESTON

FURMAN UNIVERSITY

VANDERBILT UNIVERSITY

CLEMSON UNIVERSITY

UNIVERSITY OF ALABAMA

STEP 1: THE AMC

- ▶ AMC10, AMC12
- ▶ The most popular national contest
- ▶ AMC A: Feb 10; AMC B: Feb 25
Take Both!
- ▶ \$40 + \$16 per 10
- ▶ Score over 100 on AMC12
or score in top 1% on AMC10
move on to AIME

STEP 2: THE AIME

- ▶ March 17 OR April 1
Not Both!
- ▶ FREE
- ▶ 3 hours, 15 problems
- ▶ “USAMO Index” =
 $\text{AMC score} + (10 \times \text{AIME score})$
- ▶ Goal is to select 500 students to move on to UASMO

STEP 3: THE USAMO

- ▶ April 28 & 29
- ▶ FREE
- ▶ 3 proofs in 4.5 hours each day for two days
- ▶ Select MOSP participants from USAMO
- ▶ Top 6 form IMO team

STEP 1: COLLECT RESULTS

- ▶ AMC & AIME scores as indicators
- ▶ Kennesaw State Contest results
(Georgia's own AMC on Oct 29; Round 2 for qualifiers is Feb 4. math.kennesaw.edu/~ckoppelm)
- ▶ Tournament results
The more ARML people in attendance, the better
- ▶ GCTM State Tournament
Last Saturday in April – Invitation only!

STEP 2: FORM A TEAM

- ▶ Up to 45 students to form 3 teams of 15 plus 3 alternates
- ▶ We pick you, or you pick yourself
- ▶ Practice Sundays in May and on Memorial Day

From Local to ARML

STEP 3: ARML!

- ▶ First weekend after Memorial Day
- ▶ Penn State, UNLV, University of Iowa, UGA
- ▶ www.arml.com