



2024 RTX MATHCOUNTS National Competition Fact Sheet

The 2024 RTX MATHCOUNTS National Competition will use a sports theme to elevate the feats of our mathletic young problem-solvers to those of their athletic counterparts. During a MATHCOUNTS competition, Mathletes® think on their feet, race against the clock and rely on well-practiced skills like athletes do—and like the best innovators of tomorrow will need to do. With imagery that evokes the feeling of an exciting sports game, we’ll encourage students to go the distance at the event and in their future.

WHEN

Sunday, May 12, 2024

Written Competition: 8:45 – 11:15 AM EDT

Monday, May 13, 2023

Countdown Round: 10:00 AM – 12:00 PM EDT

WHERE

Westin Washington, DC Downtown: 999 9th St. NW, Washington, DC 20001

WHAT

Competition bringing together the nation’s highest-achieving math students, which includes both a written exam and a live “bee” style contest. Middle school Mathletes will race against the clock and each other to answer challenging questions, such as:

How many six-digit positive integers containing six distinct nonzero digits are divisible by 99? (Ans: 576 integers)

Alana can make a tutu in 40 minutes. Spencer takes 50% longer. Working together, how many minutes does it take them to make 20 tutus? (Ans.: 480 minutes)

WHO

- The nation’s 224 most talented middle school mathematicians, who represent all 50 states, the District of Columbia, U.S. territories and schools worldwide affiliated with the Departments of Defense and State.
- Over 33,000 students from almost 4,000 schools participated in the MATHCOUNTS Competition Series this year at their local chapter competitions.
- After competing at school, local (chapter) and state level contests, the top four students from each state and U.S. territory earn the right to compete at the National Competition.
- Each year free MATHCOUNTS materials are distributed to over 50,000 schools nationwide.

COMPETITION STRUCTURE

- *Written Competition:* The Sprint, Target and Team Rounds test the ability of individual students and teams to solve complex, multi-step problems with, and without, the aid of a calculator. Results on the written rounds determine the National Team Champions and individual student rankings.
- *Countdown Round:* Fast-paced, one-on-one oral competition for the 12 top-scoring individuals in the Written Competition. The winner is crowned National Champion. **[The Countdown Round is open to the public.]**

SCHOLARSHIPS

The nine top-achieving national competitors will receive college scholarships, totaling \$44,000 across all recipients.

- The National Champion (Countdown Round Winner) will win the \$20,000 Donald G. Weinert Scholarship.
- The Countdown Round Runner-Up will receive \$7,500.
- The two Countdown Round Semifinalists will each receive \$3,000.
- The Written Competition Champion will receive \$2,500.
- The four members of the 1st place team will each receive \$2,000.

WHY THIS IS IMPORTANT

- Strong math skills are essential for success in a rapidly expanding number of careers, particularly in STEM.
- U.S. industry faces a dire need for employees with the advanced math abilities required to conduct the cutting-edge research, study and design required to remain globally competitive.
- MATHCOUNTS programs have been proven effective in independent evaluations. MATHCOUNTS builds confidence and problem-solving skills while improving attitudes about math for all students.

ABOUT MATHCOUNTS

- **MATHCOUNTS provides engaging math programs for U.S. middle school students of all ability levels to build confidence and improve attitudes about math and problem solving.**
- The program focuses on students in grades 6-8 because middle school is a critical juncture, with a student's attitudes about STEM in 8th grade predicting their likelihood to pursue a STEM career.
- The MATHCOUNTS Foundation is a 501(c)(3) that owns two programs—the MATHCOUNTS Competition Series and the National Math Club—open to all middle school students nationwide.
- MATHCOUNTS has received two White House citations as an outstanding private sector initiative and has been recognized in White House ceremonies by five presidents.
- The program relies on a volunteer network of over 17,000 engineers, educators and other STEM professionals.
- Funding for MATHCOUNTS comes primarily from its National Sponsors: RTX, U.S. Department of Defense STEM, BAE Systems, Northrop Grumman Foundation, the National Society of Professional Engineers, 3Mgives, Texas Instruments Incorporated and Art of Problem Solving.
- MATHCOUNTS was founded in 1983 by the National Society of Professional Engineers, the National Council of Teachers of Mathematics and CNA Insurance.
- For more information, please visit www.mathcounts.org.

ABOUT OUR TITLE SPONSOR

- With more than 185,000 global employees, RTX pushes the limits of technology and science to redefine how we connect and protect our world. Through industry-leading businesses – Collins Aerospace, Pratt & Whitney, and Raytheon – we are advancing aviation, engineering integrated defense systems, and developing next-generation technology solutions and manufacturing to help global customers address their most critical challenges. The company, with 2023 sales of \$69 billion, is headquartered in Arlington, Virginia.
- RTX has been the title sponsor of the MATHCOUNTS National Competition since 2009 and has extended its sponsorship through 2025.
- RTX' support of MATHCOUNTS is a component of its 10-year, \$500 million Connect Up Corporate Social Responsibility initiative designed to advance equitable opportunities in STEM education, career development and community well-being.
- Support from RTX helps fund the MATHCOUNTS Competition Series, scholarships and resources for volunteers and mentors.

For further information or to arrange interviews, please contact:

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