



The Lion's Roar

Millennium Charter Academy Events Worth Roaring About

February 2014

MCA's Mathcounts Team Brings Home Regional Award

Members of MCA's Mathcounts team participated in a regional competition at Philo Middle School in Winston-Salem, NC. Mathcounts is a national math enrichment, coaching and competitive program that promotes middle school mathematics achievement in every US state and territory.

The MCA official school team, consisting of **Cooper Nester** (8th grade), **Ryan Wagoner** (7th grade) **Lindley Williams** (8th grade) and **Joey McCormick** (8th grade), did remarkably well, scoring 2nd place out of twenty area schools, and they will advance to the state competition scheduled for March. Mathcounts is an extremely difficult competition, and this is the first time that an MCA team has advanced to the state level of competition. These four students, along with **Brooksie Lawson** (6th grade), **William Marshall** (6th grade), **Ben Thomason** (7th grade), **Drew Tilley** (6th grade), and **Ashton Rierson** (6th grade) also completed in individual competitions. In the independent competitions, MCA 8th grader **Cooper Nester** placed 6th overall, out of 150 other student competitors. In addition to the 2nd place team win and a top-ten individual student win, MCA also received a traveling trophy for Top Small School at the competition.

The MCA Mathcounts coach is 7th and 8th grade math teacher, Christie Speer. About the competition, she says, "Going into the competition, I was a little nervous. Only two of the team members had Mathcounts experience and we did not hold any practices all together prior to the competition. Fortunately, our higher math standards and quality teaching, proved to be enough preparation. I am thankful my students have Algebra I experience, and sometimes beyond that level. It gives them a firm foundation on which to build higher level thinking, which is what those Mathcounts problems require."

Below are two sample Mathcounts problems from a 2012 practice set. Can you work them?



MCA's Mathcounts members are, left to right: **Brooksie Lawson**, **William Marshall**, **Ryan Wagoner**, **Cooper Nester**, **Ben Thomason**, **Joey McCormick**, **Drew Tilley**, **Lindley Williams**, and **Ashton Rierson**.

Problem 1

If a tire has a radius of 8 inches, how many revolutions will it take to travel 100 yards? Express your answer to the nearest whole number.

Problem 2

The denominator of a fraction is one more than seven times its numerator. If three is added to the numerator and seven is subtracted from the denominator, the resulting fraction is equal to $\frac{5}{8}$. What is the original fraction?

Just reply back to the email sending this publication if you'd like an answer key.

The Lion's Roar IS A PUBLICATION OF

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