

FIND OUT MORE FROM THE SOUTHEAST OHIO MATH TEACHERS' CIRCLE AT THE FOLLOWING:

Website: seomtc.weebly.com Facebook: facebook.com/southeastohiomatteacherscircle
 E-mail: seomtcircle@gmail.com

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WHO ARE WE?

SEOMTC was founded by three area K-12 teachers and a mathematics faculty member at Ohio University. In Summer 2012, they went to Washington, DC to learn how to develop and facilitate Math Teachers' Circles. Since that time, we've had more than 100 teachers participate. We want you to be part of it!

2016 leadership team: Ryan Davis (Southern HS, Meigs Cty), Scott Hall-Jones (East ES, Athens), Nick Pilewski, Courtney Koestler, Bob Klein (Ohio University)

FOUR FULL DAYS OF MATHEMATICAL FUN AND GAMES!

June 6-9, 2016 • 9:00 am – 4:00 pm each day
 Free Registration at: seomtc.weebly.com by May 15 for full consideration

The SouthEast Ohio Math Teacher's Circle (SEOMTC) serves Athens and the surrounding region. Teachers from area schools collaborate with university faculty to create a group that meets regularly to engage in FUN, ENGAGING, and MEANINGFUL mathematics problem solving. The focus is on grades 3–8 teachers, though all are encouraged to apply.

This is NOT your typical "sit and get" professional development! This is "doing math" that is fun and collaborative while serving a very serious purpose for developing mathematical problem solving. Having fun exploring new math gets educators (like us) excited about doing new, mathy things in the classroom. This isn't meant to be your "typical" professional development, yet we can't help but develop as we engage in the math. One teacher described it as like "a mathematical spa" where she comes to enjoy and feel better about math. We agree.

WHAT IS A MATH TEACHERS' CIRCLE?

A Math Teachers' Circle is a place where math teachers and mathematics professionals come together regularly to engage in problem solving with interesting and fun mathematical investigations, and to share classroom experience and successes. Math Teachers' Circles are growing in popularity across the nation, and SEOMTC is one of the first MTCs in the state of Ohio.

OUR MISSION: REDISCOVER THE THRILL OF DOING MATHEMATICS

Mathematics should be fun and enjoyable for all. Join SEOMTC and experience fun, perplexing, and meaningful mathematics problem solving. Critical thinking and problem solving at their best are perplexing, not frustrating (we like to use the term **funstration** to describe this feeling). The SEOMTC Summer Workshop will be four days of engaging activities in which participants will share insights and "aha's" with fellow participants.

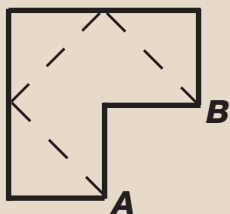
RETHINKING PROFESSIONAL DEVELOPMENT

Can teachers develop professional practice, strategies, and content knowledge without traditional PD workshops? We think so, and we've designed SEOMTC to be just that. This is "doing math" that is fun and doing it together with other educators who love puzzles, problem solving, and play. We think having fun exploring new math gets educators (like us) excited about doing new and fun, mathy things in the classroom. So even if this isn't "typical" professional development, we're sure that you'll find that "enjoyment" breeds "development" as we engage in problem solving. This is the best of **content-based** professional development.



Puzzler

On the very strange pool table below, you see a simple shot, bouncing twice, from **A** to **B**. Find a shot from **A** to **B** that bounces ten times.



SOUTHEAST OHIO MATH TEACHERS' CIRCLE SUMMER IMMERSION 4.0

Did you attend a previous SEOMTC Summer Immersion? The next Summer Immersion (2016) will have all new activities so you can join us for that too! Our continued funding reflects a strong belief in the work that our members did this past year.

When: June 6-9 from 9:00 am – 4:15 pm each day
What: FOUR full days of mathematical fun and games!
Where: Holiday Inn Express Hotel & Suites, 555 E State St., Athens, Ohio
How much: Free! (teacher participants receive a small stipend and PD credit for 24 hours)

In the past we have had lunches donated by local organizations. We will update you on the provision of lunches.

Register at: www.seomtc.weebly.com by May 15 for full consideration.

Questions? Please contact Dr. Courtney Koestler at koestler@ohio.edu

WORKSHOP OVERVIEW:

Each day, participants will engage in several mathematical explorations. Each activity will be summarized with a pedagogical debrief with classroom and Common Core connections.

9:00-12:00 Problem Solving Sessions I and II with pedagogy debriefs
12:00-12:45 Lunch
12:45-3:45 Problem Solving Sessions III & IV with pedagogy debriefs
3:45-4:00 Wrap-up, reflections, and evaluations



Puzzler

Using each digit from 0 to 9, can you form a 10-digit number such that when read left to right, the first n digits are divisible by n ? For example, the number 82501342967 works for the first three: 8 is divisible by 1, 82 is divisible by 2, 825 is divisible by 3, but 8250 is not divisible by 4.

BENEFITS:

- ☉ Four full days (24 hours) of professional development
- ☉ Collaboration with colleagues from around the region
- ☉ Mathematics content-focused with connections to Common Core
- ☉ Math resources for all participants and problem solving FUN!