

## Workshop Overview

- Four-day workshop.
- Collaborative mathematics problem solving.
- Connections to the Common Core State Standards.
- Lunch and snacks provided.
- Content-focused with pedagogical “debriefs.”
- Professional Development credit.

## Participant Benefits

- Revitalize the joy of mathematical problem solving.
- Deepen expertise in the Mathematical Practices (CCSSM).
- Meet and network with other middle grades math teachers.
- Make connections to classroom practice.
- Enjoy mathy goodies and a small stipend.

## Beyond the Summer

SEOMTC will be an ongoing, bi-monthly gathering of problem solvers and facilitators. After the summer workshop, (and even if you can't participate in the summer workshop), we hope you'll consider joining us to work on some fun math problems.

Website: <http://seomtc.weebly.com/>

Twitter: <http://twitter.com/seomtc/>

Facebook: <https://www.facebook.com/SoutheastOhioMathTeachersCircle>

Email: [seomtcircle@gmail.com](mailto:seomtcircle@gmail.com)

**For priority consideration,  
register by Tuesday May 28, 2013!**

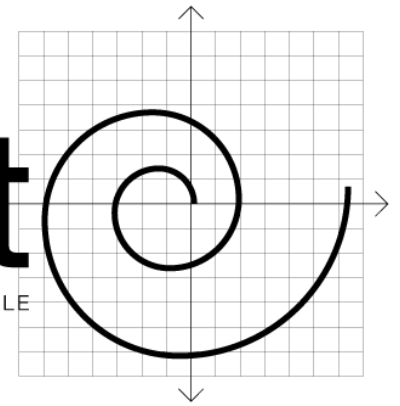
Contact the SEOMTC Registration Coordinator:  
Chelsie Wollett at [wolletc1@ohio.edu](mailto:wolletc1@ohio.edu) (740) 593-0160.

## The SEOMTC is Grateful to Our Sponsors:

- The Ohio Board of Regents.
- The American Institute of Mathematics.
- Math for America.
- The Stevens Literacy Center and Ohio University.
- The Mathematical Sciences Research Institute.
- The National Association of Math Circles.

# seomtc

SOUTHEAST OHIO MATH TEACHERS' CIRCLE



## Free Summer Workshop for Teachers

July 22-25, 2013 • Athens, Ohio

Holiday Inn Express Hotel & Suites

555 E State Street, Athens, Ohio



Bob Klein, Ohio University College of Arts & Sciences

Nina Sudnick, West Elementary

Susan Matters, West Elementary

Katie Hendrickson, Athens Middle School

## Why Should Kids Have All the Fun?

### What is a Math Teachers' Circle?

A Math Teachers' Circle is a place where middle grades (3-8) math teachers and mathematicians come together regularly to engage in problem solving with interesting and fun mathematical investigations and to share classroom experiences and successes. Math Teachers' Circles are growing in popularity across the nation and SEOMTC is one of only two MTCs in the State of Ohio.

### Puzzler

In the problem below, letters stand for numbers. Figure out what numbers the letters stand for. Is there just one solution to each?

$$\begin{array}{r} A H A \\ + \quad H \\ \hline B E E \end{array}$$

$$\begin{array}{r} B B \\ + A \\ \hline A \\ \hline C C C \end{array}$$

$$\begin{array}{r} O D D \\ + O D D \\ \hline U N D O \end{array}$$

### Our Mission: Rediscover the Thrill of Doing Mathematics

Mathematics should be fun and enjoyable for all. Join SEOMTC and experience the fun, perplexing, and meaningful mathematics problem solving. Critical thinking and problem solving at their best are *perplexing*, not frustrating and the SEOMTC Summer Workshop will be four days of engaging activities in which participants will share insights and “aha’s” with fellow participants.

### 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.

Ever since, they have been plotting how to share the joy they found in collaborative problem solving. The Ohio Board of Regents agreed that this joy needed to be shared with South East Ohio and granted more than \$36,000 to fund the mission for 2013-14.

Most of all, though, **we** are each “circlers” and show up to share and to have fun doing mathematics in each other’s company. Join us!

## Rediscover the Thrill of Learning Mathematics!

### 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 of 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.

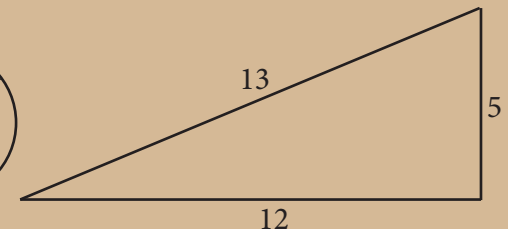
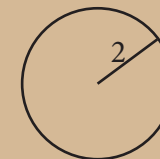
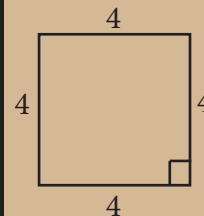
So even if this isn’t “typical” professional development, we’re sure that you’ll find that “enjoyment” breeds “development” as we engage in problem solving.

### Typical Workshop Day

8:30-9:00	Coffee, snacks.
9:00-12:00	Problem Solving Sessions I & II with pedagogy briefs.
12:00-1:00	Lunch (provided).
1:00-4:00	Problem Solving Sessions III & IV with pedagogy.
4:00-4:30	Wrap-up, Reflections, and Evaluations.

### Shape Up

These figures share a curious property. What is it?



Can you find other figures with the same property?  
How many right triangles have this property?  
Why would someone find this property “curious?”