

## Math Solutions for Middle School (Grades 6–8)

### Course Description

Math Solutions for Middle School presents teachers with the rationale for teaching mathematics through problem solving and gives them hands-on experiences with the instructional strategies and ideas that promote thinking and reasoning. Participants become familiar with and engaged in the eight Standards for Mathematical Practice identified in the Common Core State Standards (CCSS). In addition, videotaped lessons with students and examples of student work help participants connect the Mathematical Practices to the classroom.

#### Course Goals

This course will help teachers:

- Focus on problem solving in all middle school content standards of the CCSS including ratios & proportional relationships, number, expressions & equations, functions, geometry, and statistics & probability.
- Help students apply their arithmetic skills to solve problems.
- Create a classroom environment that supports thinking, reasoning, and communication.
- Organize the classroom for small group and individual instruction.
- Motivate students to enjoy mathematics while increasing their skills and understanding.

### Course Details

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**Date:** July 18–21, 2011

#### Time

Registration: 8:00 A.M.

Course: 8:30 A.M.–3:30 P.M.

#### Enrollment includes:

- A Math Solutions resource book full of classroom-tested lessons
- A sample kit of manipulative materials
- A subscription to our online newsletter
- Discounts on Math Solutions books and resources
- Lunch each day

**Host:** The Center for Mathematics and Science Education, Teaching and Technology at John Carroll University

**Location:** John Carroll University  
20700 North Park Boulevard  
University Heights, OH 44118  
Map: [www.jcu.edu/about/map.htm](http://www.jcu.edu/about/map.htm)

**Non-degree Graduate Credit (optional):** \$320 for 2 hours

**Registration Fee:** \$600 per participant which includes all course materials and lunch each day. (Note: Graduate credit tuition is not included in the registration fee).

**Register by:** June 17, 2011

### Registration

Send your completed registration form with a check for \$600 payable to 'John Carroll University' or send a purchase order to:

John Carroll University, CMSETT  
20700 North Park Boulevard  
University Heights, OH 44118

OR fax form with purchase order to 216.397.4544

Upon receipt of your application and payment, you will receive an email confirmation of your registration. **By June 15, you will receive an additional email with workshop details. Please contact Lynn at CMSETT if you do not receive this information (216.397.4575).**

**Cancellation Policy:** Workshops that do not have the minimum enrollment are subject to cancellation. In the case of cancellation, all participants will be notified and a full refund will be issued.

Note: Registration fee is not refundable after May 1, 2011, however, you may transfer your registration to another person at the same grade level.

Questions? Contact: [cmsett@jcu.edu](mailto:cmsett@jcu.edu)

Name of Participant

Home Address

City

State

ZIP

Daytime Telephone

Home Telephone

Email

School

District

Title

Grade Level

### Method of Payment

Registration must be paid with a check or district purchase order. Please indicate method of payment below:

- Purchase Order # \_\_\_\_\_
- Check Is Enclosed



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