



CESA 6 Instructional Services and the CESA 6 Math Center Present:

# Computational Strategies: Developing Deep Comprehension and Number Fluency in Grades 1–5

Tuesday, March 4, 2014 • 8:30 a.m. - 3:00 p.m.

**Presenter: Carole Foreman**  
Veteran Math Teacher, Coach and Consultant

### Description

A first step toward more effective math instruction is to move away from an emphasis on teaching computation as a series of rote rules and memorizing facts. Carole will teach you how to develop students' true understanding of computation so as to apply their thinking to solving new problems.

In order to better meet the needs of ALL students, we will explore numerous strategies for solving computation problems, including: composing and decomposing numbers, splitting or branching numbers, compensation, open number lines, the area model for multiplication of whole numbers and fractions, and many more. The strategies will help develop student comprehension of computation through a conceptual understanding of *what to do* and *why*.



*Carole has more than 35 years of experience working in elementary mathematics as a teacher and as a district curriculum coordinator.*

### Workshop Objectives

- Learn to teach computation with emphasis on place value understanding and the properties of operations, as recommended by Common Core State Standards for Mathematics.

### Who should attend?

- First– through Fifth-Grade Teachers

### For additional information contact:

Mary Ann Hudziak, Coordinator of ESEA Support & Mathematics  
mhudziak@cesa6.org or 920.236.0523

### Registration Details

- **Date:** March 4, 2014
- **Registration Fee:**
  - ✓ \$150.00 per participant
  - ✓ Fee includes materials & lunch
- **Time:** 8:30 a.m. - 3:00 p.m.
- **Onsite check-in:** 8:00 - 8:30 a.m.
- **Location:**  
Hilton Garden Inn—Oshkosh  
1355 W. 20th Ave., Oshkosh  
“Shepard Room”
- **Registration Deadline:**  
March 3, 2014
- **Online registration:**  
[http://www.cesa6.org/prof\\_dev/](http://www.cesa6.org/prof_dev/)

**Cancellation Policy:** Any registration cancellation must be received 48 hours before the scheduled date for a refund to be issued. Because attendance at most sessions is limited, persons registering and not in attendance on the day of the session will be charged the full registration fee. CESA 6 reserves the right to cancel any session due to insufficient enrollment. Participants will be notified by email or phone if a cancellation occurs.

**Computational Strategies: Developing Deep Comprehension and Number Fluency;** March 4, 2014; 8:30 a.m.—3:00 p.m.;  
**Hilton Garden Inn—Oshkosh in the “Shepard Room”**

Participant Name(s) \_\_\_\_\_

Position(s) \_\_\_\_\_ District \_\_\_\_\_

Phone (Work) \_\_\_\_\_ (Home) \_\_\_\_\_

Would you like to be notified by email of future CESA 6 training sessions?  Yes  No

Email Address \_\_\_\_\_ Special accommodations or dietary needs \_\_\_\_\_

**To Register: Go to [http://www.cesa6.org/prof\\_dev/](http://www.cesa6.org/prof_dev/) or send completed form to:  
Amy Ruppert, Program Assistant,  
CESA 6, 2935 Universal Court, Oshkosh, WI 54904, Fax: 920-424-3478**

Please check one:

- Check is enclosed, made payable to CESA 6
- Bill my School District, PO # \_\_\_\_\_
- Use my Conference Attendance Fund (CESA 6 employed staff ONLY)
- Credit Card Payment

Cardholder Name \_\_\_\_\_

Cardholder Address (include city, state ZIP) \_\_\_\_\_

Credit Card Type (VISA, MasterCard, etc.) \_\_\_\_\_

Credit Card Number \_\_\_\_\_

Expiration Date \_\_\_\_\_ 3 Digit Code on Back of Card \_\_\_\_\_