

# How to teach Arithmetic Facts Easily and Effectively

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Appropriate for Pre K - 5th grade teachers

## Course Description:

The focus of this workshop is to:

- Learn the most effective ways of teaching number concepts
- Understand how dyslexia and dyscalculia affect number conceptualization and arithmetic facts
- Learn how to teach arithmetic facts easily and effectively

More specifically, we will focus on:

- I. What is numbersense?
- II. What is dyscalculia?
- III. How does dyslexia and dyscalculia affect number sense?
- IV. How to teach arithmetic Facts Effectively

In order to raise standards in mathematics for all children, but most importantly for the lowest achievers, and create more interest in mathematics, we need to improve our teaching practices. Our practices should reflect an understanding of children's development of number concepts and number relationships. While mathematics instruction for very young children needs to be age-appropriate in format and content, it also needs to prepare children conceptually for the kinds of mathematics learning that is expected of them in future years. We need to challenge as well as to provide opportunities to develop their numerical thinking at deeper levels. Because English is an alphanumeric language, literacy and numeracy should go hand-in-hand. Representing, using, and applying mathematical symbols and sounds begin along with language symbols. There are enough parallels to claim similar patterns of development in literacy and numeracy skills.

In teaching numeracy skills, we need to explore the similarities and differences in strategies for the conceptualization of number and language.

## Dates:

January 8, 2010

8:30 - 3:30pm

(Lunch is Included)

## Location:

LAPDA Meeting Space,  
Montpelier, VT

## Cost:

\$150 for members

\$175 for nonmembers

## Registration:

<http://www.lapdavn.org>

Call (802) 224-9110  
for more information

## About the Instructor

**Mahesh Sharma** is known for his groundbreaking work in mathematics education, he is an author, teacher and teacher-trainer, researcher, consultant to public and private schools, as well as a public lecturer. He is the Chief Editor of Focus on Learning Problems in Mathematics, an international, interdisciplinary, research mathematics journal with readership in more than 70 countries, and the editor of the Math Notebook, a practical source of information for parents and teachers devoted to improving teaching and learning for all children.