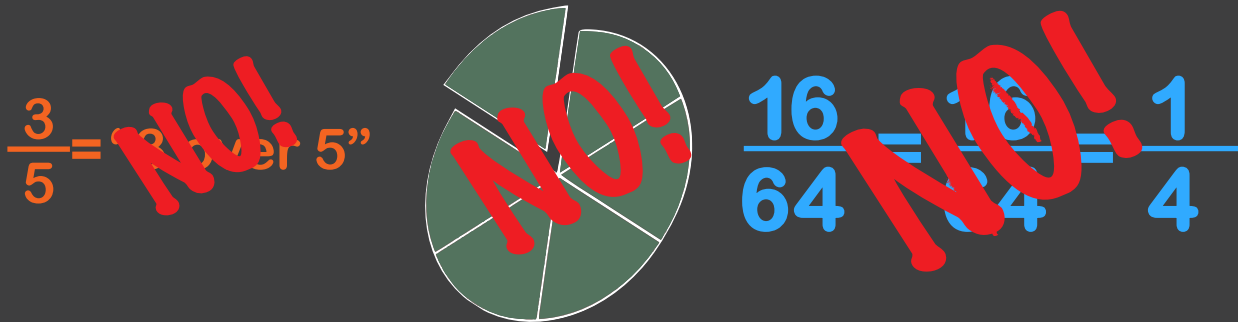


Fractions



You're Teaching Them Wrong

Fractions are among the most feared and misunderstood elements of the elementary and middle school curriculum, yet they form the basis of understanding that will continue through high school and beyond. Unfortunately, we often present models that do a poor job representing the concepts, use language that is vague and/or contradictory, and teach procedures that are incomplete or poorly understood. We can help our students understand fractions more thoughtfully and thoroughly by using better models, developing deeper concepts and learning procedures through understanding. Using ideas drawn from neuroscience, linguistics and cognitive science, we can help students develop an understanding of fractions that are flexible and comprehensive. In this workshop, we will examine what kinds of practices should be implemented to help clarify and deepen our students' understanding of fractions. This includes:

- You can add $1/2 + 1/3$ and get $2/5$. What question will this answer correctly?
- Why are some ways of reading fractions better than others? Why is saying "3 over 5" the worst?
- The "pie model" of fractions is popular, but it's also the most rigid and confusing; here's something better!
- Why is the yellow pattern block not equal to 1?
- If multiplication is repeated addition, how do we explain $1/2 \times 2/3$?

This full-day workshop (9 am- 3 pm) is specifically designed for educators who wish to enhance the quality of their instruction by learning about specific techniques centering around the teaching of fractions. It is especially suitable for math specialists working with teachers on a day to day basis..

Monday, April 28, 2014 @ The Brimmer and May School, Chestnut Hill, MA.

9 am - 3 pm, light breakfast and buffet lunch included

Early Registration (until March 18) \$129

Regular Registration (March 19 - April 14) \$149

Late Registration (after April 14) \$179

For more information and registration, visit www.BLTM.com/fractions, send an email to fractions@bltm.com, or text/call 718 909 8343.

Presented by



Professional Development
Curriculum Design
Children's Programs

FRACTIONS

You're Teaching Them Wrong

Workshop Schedule: Monday, April 28, 2014

9 - 9:30 am: Check-in, light breakfast & networking

9:30 - 11:30 am: Improving our fraction models, watching our language around fractions, developing strategies.

11:30 am - 12:30 pm: Buffet lunch (provided)

12:30 - 3:00 pm: Exploring operations and algorithms through representation and connections.

Workshop Location:

This workshop is hosted through the cooperation of The Brimmer and May School at 69 Middlesex Road in Chestnut Hill, Massachusetts. More information about Brimmer and May can be found at www.brimmerandmay.org.

Registration Fee:

Payments can be made by check, purchase order or credit card. You may register online at www.BLTM.com/fractions, or by filling out and mailing this registration form along with a check or purchase order; you can also fax your registration to (888) 240-2423. Please remember to make out all checks and purchase orders to "Better Living Through Mathematics." Mail-in payments and registrations can be sent to Better Living Through Mathematics; 540 President Street, 3rd Floor; Brooklyn, NY 11215.

Cancellations:

All cancellations may be submitted by email at cancellations@BLTM.com. Cancellations received one or more weeks prior to the workshop date are fully refundable, minus a \$25 service charge. Cancellations received within a week of the workshop date are refundable at 50% of the registration fee. Substitutions are encouraged and welcome.

Better Living Through Mathematics is a New York based educational consortium that provides state of the art staff development, innovative curriculum design and dynamic programs for teachers, children and parents.

Registration Form

School Name: _____

School Address: _____

Name	Email	Grade(s) Teaching
_____	_____	_____
_____	_____	_____
_____	_____	_____

Workshop Fees:

Early Registration (through March 18): \$129.00

Regular Registration (March 19 - April 14): \$149.00

Late Registration: (After April 14): \$179.00

Payment Type: ☐ Check (enclosed) ☐ Purchase Order: _____ ☐ Online Payment



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