



MASSACHUSETTS SCHOOL
ADMINISTRATORS' ASSOCIATION



An MSAA Professional Development Workshop for: Teachers of Mathematics Grades 3-5, Special Education Teachers, Coaches, Mathematics Specialists, Principals, and Assistant Principals

Keep Calm and Love Fractions: (Grades 3-5)



Featuring **TEACHERS21** Presenter:
Marcie Abramson, Ed.M.

Monday, December 10, 2018
at the MSAA Office, Franklin

Sign-In: 8:00am–8:30am
Workshop: 8:30am–3:00pm

PD Hours: 6
Content Area: *Mathematics*

Fees: *Member \$215 / Non-Member \$285*

MSAA Contact: pd@msaa.net

What is a fraction? This highly participatory workshop, designed for teachers of grades 3-5, will engage teachers in CCSS tasks geared to developing a better understanding of fractions. Specifically, what a fraction is, what a fraction means, and how fractions fit into our base ten number system. Through the use of various manipulatives, models, and representations, teachers will be able to deepen their conceptual knowledge of fractions and be able to work through misconceptions that may arise in the learning process. The goal of this workshop is to allow teachers opportunities to build a repertoire of strategies, tasks and a “magic-math-bag” of fraction fun to help both students and teachers better understand, communicate, and apply fraction sense to problems.

Participants will:

- Ponder, wrestle with, and discuss the question “What is a fraction and is it a number?”
- Become more fluent with and better able to model parts/wholes.
- Identify and compare unit fractions and recognize the advantage of using them to solve problems.
- Explore the concept of equivalency and what that means in terms of working with fractions.
- Investigate different ways to compare fractions.
- Rekindle their enthusiasm for the often misunderstood, but lovingly accessible and purposeful, fraction!

Marcie Abramson is an adjunct professor at Brandeis University where she teaches the Elementary Mathematics Methods course. Marcie taught middle school mathematics for thirty years and is a consultant and workshop presenter at the local and national level. Marcie was elected to the Massachusetts Mathematics Teacher Hall of Fame in 2018.

[Register online at www.msaa.net](http://www.msaa.net)

LEADERSHIP MATTERS



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