

New Workshop for Mathematics Teachers!

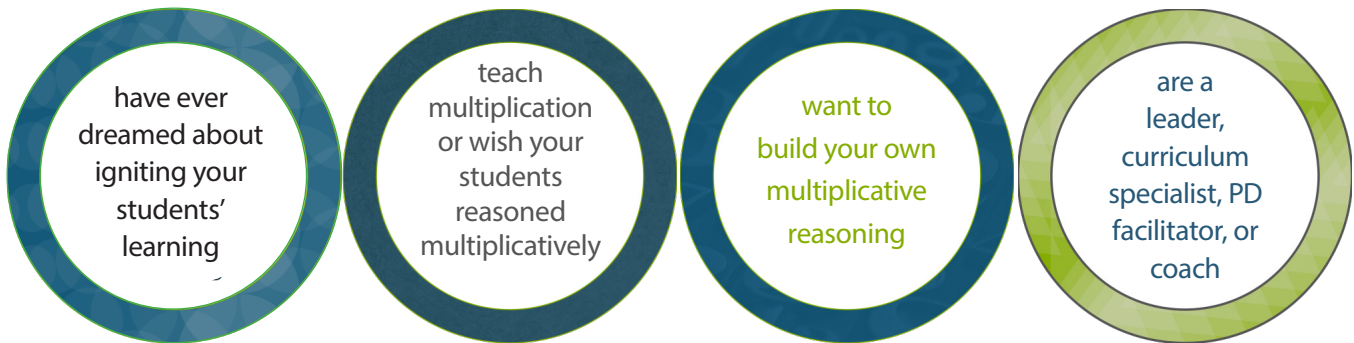
BUILDING POWERFUL MULTIPLICATIVE REASONING

If not algorithms, then what?

Frustrated . . .

- by students who don't know the facts or don't memorize well?
- by new strategies and models you're expected to teach?
- that your students should be more successful since you are putting in so much effort?

If you . . .



then this workshop is for you!

No matter what stage you're in—developing your own multiplicative reasoning, learning how to construct multiplicative reasoning in your students, or perfecting your craft, you'll leave with action steps you can implement immediately.

The workshop is an asynchronous online experience for grades 3-12 teachers and leaders. The workshop is designed to build participants' multiplicative reasoning, help participants understand how to build their students' multiplicative reasoning, and learn actionable strategies to support and challenge students. The work consists of presentations, discussions, and tasks that are based on video taken at a live 2-day workshop with grades K-12 teachers. There are seven modules that take participants on a path from learning about multiplicative reasoning, supporting students to develop multiplicative thinking to helping students learn their multiplication facts. Participants will also study lesson types to construct reasoning and analyze high leverage teacher moves.



More information about Building Powerful Multiplicative Reasoning
<https://www.mathisfigureoutable.com/bpmr>

HELPING YOU become the math teacher you want to be

Executive Summary

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Workshop Summary:

The workshop is an asynchronous online experience for grades 3-12 teachers and leaders. The workshop is designed to build participants' multiplicative reasoning, help participants understand how to build their students' multiplicative reasoning, and learn actionable strategies to support and challenge students. The work consists of presentations, discussions, and tasks that are based on video taken at a live 2-day workshop with grades 3-12 teachers. There are seven modules that take participants on a path from learning about multiplicative reasoning, supporting students to develop multiplicative thinking and single-digit facts, studying lesson types to construct reasoning, and analyzing high leverage teacher moves.

WORKSHOP OUTLINE

MODULE 1:	What is Mathematical Reasoning?
MODULE 2:	Building Models for Multiplicative Thinking
MODULE 3:	Building the Major, Important Multiplication Strategies
MODULE 4:	Models and Strategies Working Together
MODULE 5:	Top 3 lesson types for student success
MODULE 6:	Expert teacher moves that help you help your students
MODULE 7:	Single-digit facts and Higher Math

TIME COMMITMENT

Each module consists of 4-8 lessons. It takes from 2-4 hours to complete each module. Participants have 16 weeks to finish the workshop. Each module begins with a welcome video to orient participants to the topic and the time commitment they can expect for each lesson. Along the way, there are incentives (such as resource giveaways) to help participants stay on task and finish the workshop.

PARTICIPANT TASKS

Lessons consist of watching video of the live workshop, working problems, predicting student strategies, comparing strategies, representing student thinking, a Desmos card sort, and analyzing video of expert teaching of fourth grade students. Participants interact with Pam Harris and other participants on the workshop message boards. Participants submit questions to be answered in a recorded, live Q/A webinar. Each module ends with lessons, tasks, and problems to try in classrooms.

REGISTRATION

\$600 for year long access plus Journey implementation support. Register at URL below.

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