

# Day One

Keynote • 9:00 – 9:30 am

## “Using Guided Math To Catch Up Students Who Have Fallen Behind and Accelerate the Progress of All!” – Kelly Harmon

How are our students seeing, thinking, and using math concepts and skills in meaningful, tangible, and motivating ways? Let’s kick off a great two days together as we explore a multitude of Guided Math ideas to catch up those who have fallen behind and accelerate the progress of all of our K-6 students. Don’t miss this truly insightful keynote session!

## MORNING SESSIONS • 9:40 AM – 12:10 PM

Choose **ONE** Full Morning Session OR **TWO** 70-Minute Sessions • One mid-morning break

Full Morning Session • 9:40 am – 12:10 pm

### A-1: Unlock the Power of Guided Math Groups! What All the Books Did Not Tell You! – Barb Blanke

Come experience what Guided Math is all about! Learn how to both reinforce and extend math concepts and skills in a small group setting to ensure student success in grades K-6. See the power of “just-in-time” teaching that keeps students fully on track and positively motivated in real-teacher classrooms. Gain fresh, new ideas that will help catch up those who have fallen behind by guiding their learning when they need it most and extending learning for those students who are ready to go!

First 70–Minute Morning Sessions  
9:40 – 10:50 am

### CHOOSE ONE: A-2 or A-3

#### A-2: Keeping Students Productively Engaged While You Work with Guided Math Groups – Mary Peterson

Explore a wealth of classroom-proven techniques to set-up, launch and maintain differentiated workstations in a Guided Math classroom. This session addresses students’ varied learning needs within a carefully planned numeracy-rich environment. Learn timesaving ways to build independence and keep students productively engaged in differentiated math workstations while you work with small Guided Math groups.

#### A-3: Setting Guided Math Goals and Tracking Student Progress – Kelly Harmon

Students who know what they are learning and track their own mastery make greater achievement strides. Learn how to create standards-based learning targets and success criteria that help you partner with students to close the daily learning gap. Examine routines that help students know what they will be learning, what they are learning, and make vital connections to what they have already learned.

Second 70–Minute Morning Sessions  
11:00 am – 12:10 pm

### CHOOSE ONE: A-4 or A-5

#### A-4: Engaging Interactive Guided Math Centers – Mary Peterson

Young learners and those struggling with basic math concepts need interactive and hands-on opportunities to build a solid understanding. Explore just-right math centers designed to provide your students with meaningful, independent practice opportunities. Roll up your sleeves as we view, create and play a variety of super fun, easy-to-implement games and activities perfect for use in your Guided Math centers. Whether you are teaching K-2 or have students in your classroom needing those foundational skills, your students will absolutely love using these classroom tested activities!

#### A-5: Organizing the Math Block to Incorporate Guided Math Instruction – Kelly Harmon

Learn what to do first, last and in the middle of math class to ensure lasting learning in your Guided Math-focused classroom. Gain outstanding planning tips, ideas, and routines to help you. Learn how to advance the learning of every student.

Lunch break • 12:10 – 1:10 pm

“I am ready for facilitating guided math groups during my math instruction time! Thank you for such a wonderful conference!”

– Faye Hazelberg,  
3rd Grade Teacher



“I can’t wait to get into the classroom and revamp our math learning time. I’m so inspired and have lots of ready-to-use tools to get started.”

– Jessica, 4th Grade Teacher



### Team Discount

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One Person: \$289

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... “Worth the time! It was a joy and a valuable learning experience.” ...

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### Related Online Courses

A related On Demand Video-Based Online Learning course, *Using Guided Math to Strengthen Students' Math Learning*, for Grades K-2 and Grades 3-6, and other math-related courses, are available for immediate registration. To enroll, visit [www.ber.org/online](http://www.ber.org/online)

# Day One

## AFTERNOON SESSIONS • 1:10 – 3:40 PM

Choose **ONE** Full Afternoon Session OR **TWO** 70-Minute Sessions  
One mid-afternoon break

### Full Afternoon Session • 1:10 – 3:40 pm

#### B-1: Strengthen Students' Problem Solving During Guided Math Instruction – *Kelly Harmon*

Help every student become a complex problem solver— especially when two or more steps are involved! In this session, you'll learn the key steps students can use from grades K-6 to more efficiently process and solve word problems during Guided Math. We will explore complex, yet doable real-world problems using eight different problem-solving strategies you can incorporate in your Guided Math program. Discover the strategies that will help close any gaps and accelerate the learning of ALL students.

### First 70-Minute Afternoon Sessions 1:10–2:20 pm

#### **CHOOSE ONE: B-2 or B-3**

#### B-2: Classroom-Proven Strategies for Helping Students Master Multiplication and Division (Grades 3-6) – *Mary Peterson*

Prepare to be surprised at just how quickly your grades 3-6 Guided Math students will master their multiplication and division facts! Receive many highly-practical, detailed, classroom-proven activities for improving students' conceptual understanding, fluency and strategic confidence with multiplication and division. Gain a wealth of impactful, super fun multiplication and division games, lessons, projects, and strategies you can easily incorporate into your Guided Math program.

#### B-3: Strengthening Computational Fluency with Addition and Subtraction Using Math Talks, Ten Frames, Riddles, Games, and Number Racks – *Barb Blanke*

How can you make sure ALL your students build strategies that provide flexibility, accuracy and efficiency with addition and subtraction facts to 20? Take your Guided Math students to new heights and proficiency with these fun-filled, easy-to-implement visual models, strategies, tasks, games, apps, and math talks. Leave with ready-to-use activities that will help your students meet rigorous computational fluency grade level standards.

### Second 70-Minute Afternoon Sessions 2:30–3:40 pm

#### **CHOOSE ONE: B-4 or B-5**

#### B-4: Powerful and Effective Just-Right Small Group Guided Math Lessons – *Mary Peterson*

Learn how to most effectively organize and manage small flexible Guided Math groups based on formative assessment. Receive classroom-proven ideas for carefully planning and teaching just-right small group Guided Math lessons to meet the needs of the diverse learners in your classroom. Use powerful Guided Math small group lessons to build the confidence and competence of all your students.

#### B-5: Not-to-Miss Math Learning Center Activities – *Barb Blanke*

This fast-paced session is brimming with ideas you'll want to try immediately in your Guided Math classroom. Innovative, hands-on, interactive small group and independent activities will be shared that meet the diverse needs of your students and increase their understanding and proficiency when meeting rigorous standards. Don't miss these effective techniques that will enable you to more efficiently teach Guided Math groups.



### Online Learning

BER offers educators a wide range of online courses that are affordable, fun, fast, and convenient. BER is now offering On Demand Video-Based courses. You may earn optional graduate-level credits for most courses. See the catalog of available courses at [www.ber.org/online](http://www.ber.org/online)

# Day Two

## MORNING SESSIONS • 9:00–11:40 am

Choose **ONE** Full Morning Session OR **TWO** 75-Minute Sessions  
One mid-morning break

### Full Morning Session • 9:00–11:40 am

#### C-1: Innovative Projects: Increase Motivation, Engagement and Success in Your Guided Math Program – *Mary Peterson*

Empower your students to love and explore math across the curriculum with a variety of engaging and highly motivating math projects. These exciting projects work well across diverse math topics and are appropriate for grades K-6. In this make-and-take session we'll explore ways to incorporate a variety of engaging math projects into your Guided Math program to increase student creativity, teamwork, critical thinking, communication, and problem-solving skills.

### First 75-Minute Morning Sessions 9:00–10:15 am

#### **CHOOSE ONE: C-2 or C-3**

##### C-2: Helping All Students Access and Make Sense of Fractions – *Barb Blanke*

Experience how you can demystify fractions for ALL of your students, whether they are struggling or are ready to take their learning to the next level. We will explore the language of fractions, equivalence, addition, subtraction, multiplication, and division. Using the bar model and pattern blocks you will leave with ready-to-use Guided Math activities that will deepen your students' understanding of fractions. Ah-ha's are guaranteed!

##### C-3: Utilize Number Talks to Practice Computational Skills and Develop Mental Math Abilities – *Kelly Harmon*

Engage students in daily number talks that help them practice computational skills and develop mental math strategies, perfect for Guided Math. Learn how to develop standards-specific number talks that incorporate student interests, strengthen their skills, and help all students achieve, even those who've fallen behind.

### Second 75-Minute Morning Sessions 10:25–11:40 am

#### **CHOOSE ONE: C-4 or C-5**

##### C-4: Here They Are: Practical Tips for Managing Math Learning Centers in Any Grade! – *Barb Blanke*

Learn classroom-proven techniques for setting up highly motivating math centers that your students will enjoy and that will keep them independently focused on mathematics. Barb will share tried-and-true management strategies that respect your valuable Guided Math teaching time by minimizing set-up, planning and grading while students are actively engaged in math center activities.

##### C-5: Using Children's Literature to Engage Students in Problem Solving Activities – *Kelly Harmon*

Children's books provide a perfect starting point for engaging students in authentic problem solving. In this session, explore literature matched to math standards and great ways to use manipulatives and drawing strategies during Guided Math to help students think through complex problems.

### Lunch Break • 11:40 am – 12:40 pm

## On-Site Training

Conferences like this one along with many other topics can be brought to your school or district. Please view all of our On-Site PD options at [www.ber.org/onsite](http://www.ber.org/onsite) or call 877-857-8964 to speak with an On-Site Training PD Consultant.

## Comprehensive Digital Resource Handbook

You will receive an extensive digital resource handbook, specifically designed for this conference. Included in the handbook are resource materials for ALL conference sessions, even those you don't attend. These materials include:

- Timesaving, teacher-friendly ideas for implementing Guided Math groups and managing math centers
- Key ideas and specific tips for setting up and managing Guided Math groups
- Detailed components of strong Guided Math group lessons

*“The sessions were great; I had a hard time choosing just one to go to each time period. Thank you to the presenters for sharing your knowledge!”*

– Jodie Yantachka,  
Instructional Coach



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# Day Two

## AFTERNOON SESSIONS • 12:40 – 3:20 PM

Choose **TWO** 75-Minute Afternoon Sessions  
One mid-afternoon break

### First 75-Minute Afternoon Sessions 12:40 -1:55 pm

#### **CHOOSE ONE: D-1, D-2 or D-3**

##### D-1: Dynamic Whole Group Guided Math Lessons – *Mary Peterson*

Learn the key components of powerful and appropriate warm-up activities, lessons and guided practice opportunities to successfully teach grade level skills in heterogeneous whole group Guided Math settings. Receive dynamic and exciting ideas for enhancing your Guided Math instruction by incorporating the most appropriate whole group lessons for teaching skills to facilitate maximum carryover into your small group Guided Math lessons.

##### D-2: Solving Rigorous Guided Math Tasks in 3 Simple Steps! – *Barb Blanke*

Tired of students who read a problem, underline two numbers and then operate on them in any way? You can meet or exceed your rigorous standards using this simple 3-step strategy in Guided Math to build confident problem solvers. See how problem stems from any resource and the "Three Reads" strategy can develop a deeper understanding and the perseverance that is needed to be an independent problem solver. Leave ready to use "Three Reads" tomorrow with your current resources and watch autonomous problem-solvers bloom!

##### D-3: Terrific Math Games for the Rest of Your Class While You Teach Guided Math Groups – *Kelly Harmon*

Explore how to set up games that are perfect for centers or stations. Engage your learners in strategic thinking and deepen their foundational knowledge while you teach Guided Math groups. Walk away with management ideas and resources you can use to maximize success for both students who've fallen behind and those ready for new challenges.

### Second 75-Minute Afternoon Sessions 2:05 – 3:20 pm

#### **CHOOSE ONE: D-4, D-5 or D-6**

##### D-4: Empowering Writing and Vocabulary Guided Math Strategies to Strengthen Conceptual Understanding – *Mary Peterson*

Receive highly effective writing strategies to deepen student learning, build vocabulary knowledge and help students gain new perspectives in Guided Math. Explore the six concrete steps for teaching math vocabulary and several engaging, effective math vocabulary games. You'll leave this dynamic session with numerous, ready-to-implement writing and vocabulary strategies for creating a language-rich Guided Math environment.

##### D-5: Let Your Kids Talk! Guiding Mathematical Discourse to Support Deep and Equitable Learning for ALL Your K-6 Students – *Barb Blanke*

Facilitating mathematical discourse in the K-6 Guided Math classroom is revitalizing yet demanding. While student ideas amaze us, discourse is more than show and tell of student strategies. Learn how to map your first 20 days of discourse to IGNITE mathematical understanding for all your students! Leave with dozens of free resources and websites, as well as a great plan to maximize the benefits of student discourse in your K-6 Guided Math program!

##### D-6: Increase Engagement and Rigor in Your Guided Math Program – *Kelly Harmon*

Explore ways to engage your students' mathematical reasoning during computation and problem-solving practice. Learn how to set up challenging questions and situations to give access to rich mathematical thinking to all students whether they are working on closing a gap or at an advanced level. Leave with proven strategies and activities for stretching your students' mathematical reasoning in small group and whole group lessons.