

# Day One

Keynote • 8:30 - 9:05 am

## “Keeping Guided Math Real!” – 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 for engaging our K-6 students in real world problem solving applications. We will journey together to discover a world of applications. Don’t miss this truly insightful keynote session!

## MORNING SESSIONS • 9:15 - 11:50 am

Choose **ONE** Full Morning Session OR **TWO** 70-Minute Sessions

*One mid-morning break*

Full Morning Session • 9:15 – 11:50 am

### A-1: Unlock the Power of Guided Math Groups in Your Classrooms! – 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 reduce your students’ math frustration by guiding their learning when they need it most and extending learning for those students who are ready to go!

70-Minute Sessions • 9:15 – 10:25 am

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

##### **A-2: Organizing the Math Block to Incorporate Guided Math Instruction**

– Kelly Harmon

Learn what do to first, last and in the middle of math class to ensure lasting learning in your Guided Math groups. Gain outstanding planning tips and ideas designed to help you maximize the impact of your math instruction and students’ learning in your Guided Math classroom.

##### **A-3: Developing Computational Fluency Through Number Talks and Number Strings**

– Ann Elise Record

Let’s deep dive into one of the most powerful daily routines in your Guided Math toolkit. Utilize Number Talks and Number Strings to develop students’ understanding of the patterns in our number system. Help students explore number relationships to move them beyond inefficient counting strategies to more sophisticated computational strategies. Watch as students astound you with their flexible thinking and mental math skills.

70-Minute Sessions • 10:40 – 11:50 am

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

##### **A-4: 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.

##### **A-5: Cuisenaire Rods: Help Your Guided Math Students Think Strategically**

– Ann Elise Record

Cuisenaire rods are highly versatile tools perfect for our students’ entire math journey. Enhance students’ ability to visualize the use of strategies. Gain strategies based on decomposition and friendly numbers that make calculation more efficient. Learn practical ways use Cuisenaire rods both in your Guided Math lessons as well as independent workstations to move your students to higher thinking levels.

Lunch break on your own • 11:50 am – 1:05 pm (A great time to network with colleagues!)



### Who Should Attend

Classroom Teachers, Title I Staff, Special Education Staff, Math Specialists, and Other Educators Teaching Math in Grades K-6



*“I learned so much and can’t wait to start practicing. I feel empowered!”*

– Amy Ramon,  
2nd Grade Teacher



### Team Discount

#### ONE DAY

One Person: \$289

#### BOTH DAYS

One person: \$479

**Team of 3+: \$459 per person when enrolled at the same time**

... “A ton of new tools to add to my Guided Math classroom!” ...

# Day One

## AFTERNOON SESSIONS • 1:05 - 3:35 pm

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



### 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)



### Who is BER?

The Bureau of Education & Research is North America's leading presenter of seminar training for professional educators. Our goal is to provide high-quality PD programs, based on sound research, with an emphasis on practical strategies and techniques that can be immediately implemented.

### Full Afternoon Session • 1:05 – 3:35 pm

#### **B-1: Math Running Records: Meeting Students' Addition, Subtraction, Multiplication, and Division Fluency Needs** – *Ann Elise Record*

Incorporate Math Running Records in your Guided Math program to measure the four aspects of math fact fluency, allowing you to target your differentiated instructional response to meet the unique needs of all your students. Explore the progression of addition, subtraction, multiplication, and division strategies and see videos of running records in action. Learn how to best incorporate impactful strategies, math tools, games, and activities within your Guided Math lessons and independent workstations.

#### First 70-Minute Afternoon Sessions 1:05 – 2:15 pm

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

#### **B-2: 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.

#### **B-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 break down math standards and expectations into discrete learning targets. Examine learning boards 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 Afternoon Sessions 2:25 – 3:35 pm

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

#### **B-4: Beyond Pizzas and Pies: Demystifying Fractions in Guided Math (Grades 3-6)** – *Barb Blanke*

Experience how you can demystify fractions for ALL of your students. 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!

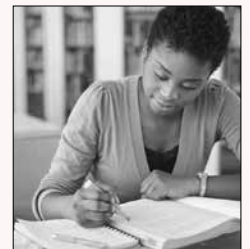
#### **B-5: Utilize Number Talks to Practice Computational Skills and Develop Mental Math Abilities** – *Kelly Harmon*

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 and cumulative review of the math standards.

### Can't Attend? Online Professional Development Option:

#### Related Online Courses

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



# Day Two

## MORNING SESSIONS • 8:30 – 11:15 am

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

### Full Morning Session • 8:30 – 11:15 am

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

Help your students become complex problem solvers—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.

#### First 75-Minute Morning Sessions 8:30 – 9:45 am

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

#### **C-2: Not-to-Miss Math Learning Center Activities Specifically Designed for Grades 3-6** – *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 students in grades 3-6 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!

#### **C-3: Building Confident, Enthusiastic Problem Solvers in Guided Math!** (Grades K-2) – *Ann Elise Record*

Explore practical ways to respond to the unique problem solving needs of your grades K-2 students within your Guided Math lessons and leveled workstations. Make best use of concrete math tools, pictorial model representations and abstract equations to build confident, enthusiastic problem solvers. Learn strategies to develop students' conceptual understanding of the underlying structures within addition and subtraction problem types. Set the stage for students' problem solving success!

#### Second 75-Minute Morning Sessions 10:00 – 11:15 am

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

#### **C-4: Building Computational Fluency with Addition and Subtraction Using Math Talks, Ten Frames, Riddles, Games, and Number Racks (Grades K-2)** – *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 K-2 students meet rigorous computational fluency grade level standards.

#### **C-5: Building Confident, Enthusiastic Problem Solvers in Guided Math!** (Grades 3-6) – *Ann Elise Record*

Explore practical ways to respond to the unique problem solving needs of your grades 3-6 students within your Guided Math lessons and leveled workstations. Make best use of concrete math tools, pictorial model representations and abstract equations to build confident, enthusiastic problem solvers. Learn strategies to develop students' conceptual understanding of the underlying structures within multiplication and division problem types. Set the stage for students' problem solving success!

### 11:15 am – 12:30 pm • Lunch Break (on your own)



#### **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 Guided Math Resource Handbook**

You will receive an extensive 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 in your own classroom
- Key ideas and specific tips for setting up and managing Guided Math groups
- Detailed components of strong Guided Math group lessons
- A variety of differentiated, scaffolded math templates for valuable activities across the five NCTM content standards



*"The handbook is a great resource to reference back to!"*

– Jen Gennux,  
1st Grade Teacher

## Conference Locations & Hotel Accommodations



### St. Louis

Wander through the St. Louis Art Museum, or visit the famous Gateway Arch. The city offers a wide variety of cultural and recreational activities.

#### Conference Location and Overnight Accommodations:

Clayton Plaza Hotel – Clayton  
(314) 726-5400

Mention you are attending this BER conference prior to October 18, 2019 to receive the special rate of \$119 (Single/Double), rates subject to availability. Group Code: GMQ



### Chicago

There are dozens of dining, sightseeing and shopping options for you to enjoy, including the Magnificent Mile, Water Tower Place, Navy Pier and much more!

#### Conference Location and Overnight Accommodations:

DoubleTree – Alsip  
(708) 371-7300

Mention you are attending this BER conference prior to October 22, 2019 to receive the special rate of \$129 (Standard room), rates subject to availability.

Group/Convention Code: B04

# Day Two

## AFTERNOON SESSIONS • 12:30 - 3:10 pm

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

### First 75-Minute Afternoon Sessions 12:30 -1:45 pm

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

##### **D-1: Solving Rigorous Guided Math Tasks in 3 Simple Steps! (Grades 3-6)** – 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-2: Sports Data: Excite and Engage Your Guided Math Students!** – Kelly Harmon

Explore ways to use your Guided Math students’ favorite sports teams to engage them in exciting computation and problem solving practice. Learn how to use team and player data to warm up your class and provide independent practice to meet your rigorous expectations. Leave with a proven plan for winning your students over, while increasing their practice opportunities and strengthening their math skills!

##### **D-3: Powerful Daily Routines That Deepen Reasoning Abilities for All Learners** – Ann Elise Record

Incorporate a wealth of classroom-tested daily routines that develop students’ number sense and reasoning abilities. Discover whole and small group routines that provide rich opportunities for Guided Math students to discuss their thinking, critique the reasoning of others, make connections between various math concepts, use precision in their math vocabulary, and develop flexible use of strategies. We’ll explore routines like Number Talks, Splat!, Which One Doesn’t Belong, and more!

### Second 75-Minute Afternoon Sessions 1:55 – 3:10 pm

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

##### **D-4: 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-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.

##### **D-6: Developing Number Sense in Guided Math** – Ann Elise Record

What exactly is number sense and how can we best help our students develop it for themselves? Explore the eight foundational ideas of number sense across the K-6 spectrum. Discover practical Guided Math classroom experiences, rich with opportunities for developing students’ number sense while forming a lifelong foundation of mathematical thought. Leave with numerous proven ideas you can easily implement in your classroom the next day!