Trena Wilkerson: Hello from Waco, TX!
Linda Koval: Hello from Bealeton, VA! 26
Jonathan Marcovitz: Greetings from Fort Lauderdale
Emily Mazur: Columbus, OH I’m not sure how many sessions I’ve attended
Michael Lanstrum: Hello from Cleveland, OH
Jacqueline Colbourne: Hi from Maryland
Emily Kavanagh: Hello from Columbus, MD
amanda Helgerson: Hello from Mass. I've lost count lol at least a dozen
Justin Klinger: Hello from Romeoville, IL.
Kathleen Kustura: Huntington Beach, CA 15
Masooma Razzak: Too many to count! Howdy from TX!
Amanda Alfieri: Hi from California!
Barbara Post: Orange, CA at least 20
Vito Di Leo Jr.: Hello from Brooklyn, NY
Mary France Imperial: Hello from Philippines
Emily Kavanagh: Lost count
Jacqueline McFadden: Hi from Queens NYC
Paloma Carrera-Andino: Hi from El Paso, TX
Lorie Huff: Hello from Fayetteville, Arkansas
Maria Dolores Estravez: Hello from Fort Washington, MD
William Driscoll: Greetings from San Francisco!
Ellen Williams: Ellen Williams – Rosamond, CA about 35
LANY JAMERO: Good morning from Philippines
Olga Kosheleva: Hello from El Paso, TX.
Emily Kavanagh: Lost count
Kristie Chandler: Hi from VA!
Karen Tooman: Hello from Beaufort, South Carolina!
Mark Fill: Hello from Queens, New York
Lisa Higgins: Catlett, VA first one :-)
Mary Dugas: Hi—Lafayette, LA
Anna Stawowski: Chicago 20+
Rita Shamrock: Hi from Rita in Senoia, GA
Faith Peddie: Welcome to DAY 87!
Katherine George: Hello from Covington, LA
Betty Stallings: Hello from Virginia
Wanda Parker: Hi from Virginia. session 20
Skip Fennell: Hello from Westminster, Maryland
Faith Peddie: Welcome to DAY 87!
Pamela Winn: Hi there, from NE Missouri!
Tanya Landry: Hi from Baton Rouge! 50+
Dawn Lopez: Hello from Long Island, NY
Lawanda Mahomes: Hi everyone! Chicago
Catherine Cook: hi from San Francisco
Comlavi Djondo: Hello from New Jersey
Jennifer Gonzales: Good morning watching from Philippines
Denise Griffiths: Hello from Delawae, 84 sessions
Katelyn Devine: Hi from Richmond, VA!
Cherish Alberts: Hi from Virginia!!
Jamie Rossi: Hello from Peekskill, NY
Vanessa Stokes: hello from chicago area!
Dave Hankin: Hello again from Globe, AZ.
Mary Pyke: Cape Breton, Canada
Angela Wilson: Angie in Arizona
Sharon Black-MacKinnon: Greetings from NB Canada.
Melonie Smith: Hello from Chicago
KEISHA SMITH: Hello from Montgomery, AL ..70+ sessions.
Abdul Razak Othman: Hi from Malaysia
Trena Wilkerson: Welcome Lisa to your first one! Enjoy! Great to have you!
Lesly Brown: Hello from Tennessee
Amy Dressel: Hi from Pocatello, Idaho!
Chauntae Whitter: Good evening from Bermuda, once again
Alma Miho: Bartlett, Illinois
Lynn Lafferty: Hello from Erie, PA
Aya Zvaigzne: greetings from Nashville, TN
Sharon Black-MacKinnon: This is my 87th session.
Janet Turner: hi from mn
Jefferson Branch: Hello from Philadelphia
Sharon Dawkins: hi from Brooklyn
Donna Rishor: Hello from Donna Rishor in Tucson, Arizona
Christine Yokoyama: Hello from California
Vito Di Leo Jr.: Dawkins!!!
Debra Cowan: Hello, from Mastic Beach, NY
Honey Sacro Swem: Hello from Redlands, CA
Josh Graning: Chicago IL
Judy Radigan: Hi from Maine!
Sandra Fox: Hello from Vancouver Canada
Rachell Scott: Hello from Maryland!
Allison Silvaggio: Hello from Littleton, Colorado
Donna Misciagna: Hello from Tucson, AZ
Elmer Mayol: Hello from Cebu, Philippines
Dalila Rivera: Hello from Kingsville, TX
Angela Belfry: Talofa from Lake Elsinore, CA
Jennifer Thompson: Hello. Jennifer from Chicago, IL
Jolanta Sobolewska: Hello from Staten Island, NY.
Ryan Rammer: hi from Verona, WI
Ann Marie Goings: Hello from South Carolina.
Pamela Winn: Did he say all panelists or all and attendees?
Debra Borman: Yes
Lisa Galanes: Hi from IL
Dave Hankin: all panelists and attendees
Lance Brauchla: Hello from IN
Susan Bardenhagen: Hi, from cloudy northern Virginia.
Nicole Rigelman: Hello from Portland, OR
ReasoningTalkResources

00:24:47 Bill Hudson: Hello from Fountain Inn, SC
00:25:12 Faith Peddie: Here are some resources for tonight's session! https://drive.google.com/drive/folders/1J-3yXRuMWiujhMMY04-b2ENR7hYC13SY
00:25:17 Laurie Walker: hi from MA

00:25:27 Kathryn Del Prete: Hi from Long Beach, NY!
00:26:01 Randolph Chapman: Hi from NYC
00:26:12 Emily Graff: Chardon, OH hello!

00:27:20 Shelly Stelsel: Hello from Wisconsin.
00:27:42 Daniel Irving: Hello from North Providence, RI!
00:27:49 Wisnu Siwi Satiti: Hello from Indonesia!
00:28:24 Tammy Hedgepeth: Hello from NC!
00:28:56 Ratu Ilma Indra Putri: Hello all, I am from Indonesia
00:29:01 Emily Kavanagh: Great quote
00:29:10 Lorie Huff: I love that quote!
00:29:18 Todd Smallcanyon: Southern Utah
00:29:19 Linda Koval: I teach high school math now, but did my student teaching in a kindergarten class. My high schoolers loves stickers and treats.
00:29:24 Wanda Parker: Yes!
00:29:29 Sharon Black-MacKinnon: I love this!
00:29:31 Maria Dolores Estravez: Very nice! That means that it’s unlimited.
00:29:33 Jennifer Nolan: Hi from Southern California!
00:29:43 Amanda Helgerson: love it!
00:29:43 Maryn Foote: Hello from Long Beach
00:29:46 Ratu Ilma Indra Putri: Great, love this quote
00:30:59 Chauntae Whitter: nothing :)
00:31:03 Jennifer Thompson: no pencils, mental math
00:31:04 Aya Zvaigzne: low floor high ceiling
00:31:05 Lorie Huff: number strings
00:31:06 Jennifer Nolan: Accessing prior knowledge
00:31:07 Betty Stallings: They are every where
00:31:07 Emerlina Binuya: Hello! Im Emerlina from Petersburg,VA
00:31:08 Lorie Huff: math talk
00:31:08 Madison Andrus: Open ended questions to get students talking about math
00:31:09 Todd Smallcanyon: money
00:31:10 Sarah Waugh: I use it for middle school
00:31:10 Linda Koval: Recognizing patterns.
00:31:12 Ann Marie Goings: Open ended
00:31:12 Tatiana Pereyra: shows thinking process
00:31:12 Emily Graff: Curiosity
00:31:13 Jennifer Nolan: Having kids explain their thinking.
00:31:13 Tabitha Price: Ways for students to share their perspective on solving a problem
00:31:14 Mary Dugas: value, how numbers relate
00:31:14 Kathleen McFadden: New to the concept.
00:31:15 Karen Tooman: How to create numbers
00:31:15 Debra Borman: I was an elementary teacher for over 20 years, so I've done them before. Now I teach 6th grade and still do number talks.
00:31:16 Julie Thaxton: Multiple ways of seeing something
00:31:16 Maria Dolores Estravez: Analyzing patterns
00:31:16 Maryn Foote: a long conversation of what the number means
00:31:16 Skip Fennell: Number sense foundations
00:31:17 Jennifer Gonzales: No idea
00:31:19 Catherine Tung: allows students to share different ways of thinking
00:31:20 Dawn Lopez: math talk- strategy sharing
00:31:21 Catherine Cook: open ended problems
00:31:21 Bart Kennedy: Student thinking
00:31:22 Shelly Stelsel: Allowing students to think and talk about all they know about numbers.
00:31:22 Fanty Marc: A way to verbalize mental math
00:31:23 Bonnie Angel: Strategies
00:31:25 Emerlina Binuya: Number Sense
00:31:25 Emily Graff: Entering a topic new idea connecting
00:31:26 Ellen Byron: Jo Boaler dot talks, Use strategies in the books just shown
00:31:27 Sarah Waugh: I learn lots of different thinking from my students.
00:31:27 Jennifer Thompson: many possible thinking pathways
00:31:28 Ratu Ilma Indra Putri: Number sense Integrating SMP's.
00:31:29 Wanda Parker: Breaking numbers apart
00:31:30 Dewey Gottlieb: Thinking and talking and listening to make sense
00:31:30 Aya Zvaigzne: engagement with no stress
00:31:30 Bill Hudson: generate discussion
00:31:31 Tatiana Pereyra: Scribing
00:31:36 Allison Silvaggio: Students discussing different perspectives about the numbers and how they relate
00:31:37 Amanda Alfieri: I know they are helpful, I have tried to use them and attended sessions, I have books, but I always get stuck figuring out where to go during the talk.
00:31:37 Sharon Black-MacKinnon: number sense
00:31:39 Susan Bardenhagen: number talks are amazing ways to get kids to think about number sense and problem solving without realizing their doing math!!!!
00:31:42 Sandra Fox: share noticing and wonderings
Jennifer Thompson: helps to improve mathematical discourse
Dave Hankin: sharing of problem-solving strategies....
Leizell Castillon: Numbers and how it works
Aya Zvaigzne: empower student voice for their ideas
Angela Wilson: They have to put words to computations in their heads
Valentina Sorescu: Valentina, Chicago, IL
Lesly Brown: Learning to understand math in another way and having more depth of numbers.
Valentina Sorescu: articulate student thinking
Ratu Ilma Indra Putri: calculation
Harjeet Kaur Ubhi: Hello from Oman, Harjeet
Cindy Bryant: Welcome from all over the world!
Maryn Foote: what the size of the number means and what is the number counting
Beth Kobett: I love the non evaluative piece.
Cindy Bryant: Please set your chat to "All panelists and attendees" so everyone can see your posts.
Emily Kavanagh: I love Number Talks
Aya Zvaigzne: required vocabulary word in my classes: analysis
Maryn Foote: they have learned shortcuts but don't know why they work and miss-apply the form
Maria Dolores Estravez: We did the Four Fours Challenge in class today and it's been fun!
Maryn Foote: YES!
Maria Dolores Estravez: Students created expressions using only four fours and any mathematical operations/symbols so that their expression equals 1, then 2, 3 and so on.
amanda Helgerson: great challenge
Maria Dolores Estravez: Yes, my students were thinking and correcting each others' work, explaining how an expression should need grouping symbols, etc.
Mohamed T: Reasoning is important component for math learning.
Emily Graff: Possibly executing them is the problem, missing vital components
Maria Dolores Estravez: Yes, that's how we know students truly understand what they're doing
Jennifer Nolan: To meet their level of need and be developmentally appropriate
Linda Koval: It is all about modeling.
Debra Borman: To give students more strategies that they haven't been taught before.
Sarah Waugh: To become more fluent in areas like decimals, fractions, and percents.
Bill Hudson: appropriate level of challenge
Emily Kavanagh: Keeping students' attention
Jennifer Thompson: clarifying own ideas by hearing
Christine Yokoyama: Transition their learning from elementary to higher level math
dave hankin: to help students build academic vocabulary...
fanty marc: To help fill gaps
emerlina binuya: Critical learning
melynee naegele: I do calculations with fraction splats from steve wyborny
bart kennedy: Way too many teachers complain about the lack of student ability. However, the DO have the ability but have never been shown HOW to be mathematicians. They have been SHOWN how do math instead of how to THINK MATH.
maryn foote: Helping kids understand why there is a 3 in 3x. What is the 3 counting. What's the size of x?
honey sacro swem: I agree that by calling it Reasoning Talks, the focus is on the thinking rather than on numbers, per se.
harjeet kaur ubbi: Without reasoning the students cannot understand the problem, reasoning help them to talk about the word problem
linda koval: Yes, reasoning is very important.
joan vatz: my students just rush in to calculating before they have read the problem and thought about it. how to teach them to think?
perrin phillips: Sort of like a 3 read?
maria dolores estravez: @perrin seems like the 3-read strategy to me, too
maryn foote: Exactly, here's an example. How many halves are left to have? What are we counting? So if I eat 1/2 of one cookie, and my friend eats 1/2 of the other half, how many halves are left to have? ... the discussion we had was powerful!!!!
karen tooman: I love that!
maryn foote: transfers to students
perrin phillips: Way to go mark!!
amy fiene: A lot of this sounds like some of the stuff in the book “Routines for Reasoning”.
linda koval: Symmetry
jennifer nolan: What shapes do they see? Area vs. perimeter.
emily graff: Find the area of the shaded region or what portion is not shaded
karina moran: Fraction of the image that is white
dawn lopez: points, quadrants
jacqueline colbourne: fractions, patterns, symmetry
maryn foote: perimeter of square
dave hankin: smidpoint
dave hankin: midpoint
maryn foote: radius, sector
maria dolores estravez: How is the area of a circle related to its circumference?
todd smallcanyon: cut out the shapes. can you make another shape
Cindy Bryant: I was just thinking the same...cut out the shapes.
Maryn Foote: arcs v. segments
Sharon Black-MacKinnon: yes that would be great to have the shapes cut out
Cindy Bryant: Quality questioning is key.
Ratu Ilma Indra Putri: Using How and why...
Maryn Foote: lol...sometimes my intentional questions need adjustment in the moment
Sharon Black-MacKinnon: yes that would be great to have the shapes cut out
Cindy Bryant: Quality questioning is key.
Ratu Ilma Indra Putri: Using How and why...
Maryn Foote: lol...sometimes my intentional questions need adjustment in the moment
Karina Moran: Focusing rather than funneling questions
Maria Dolores Estravez: Questioning techniques... it’s very important, too
Cindy Bryant: Yes, FOCUSING rather than funneling questions.
Emily Kavanagh: Great examples
Perrin Phillips: I came late because of a parent teacher meeting. Could you share the link to the resources in the chat again please?
Stephania Courtney: Critical thinking
Stephania Courtney: TY
Perrin Phillips: thank you
Stephania Courtney: I think......because
Debbie Trevino: Love it.. Justifying their thinking.
Emily Graff: Numberless number talks too
Stephania Courtney: Having students justify their reasoning is powerful!
Honey Sacro Swem: low floor, high ceiling
Pamela Winn: Suggestions if you are working only with low-level learners??
Maryn Foote: yes...develop confidence
Joan Vatz: like teaching a new language
Maria Dolores Estravez: maybe start with problems you think they can deal with to develop their confidence as Maryn suggested
Joan Vatz: yes
Maryn Foote: mute my mouth...lol
Bart Kennedy: Pear Deck, Slides and Desmos all work well.
Barbara Post: Makes n=me thunk of a quote from my pastor over 20 years ago: To educate is to pull out not pour in.
Shelly Stelsel: Most platforms have a discussion board that can be used for something like this.
Emily Kavanagh: Build from easy to more difficult
Cindy Bryant: "The best teachers have teeth marks on their tongue!" Alfie Kohn
Maureen Kishbaugh: I love when my students find ways to figure out a problem in ways that I had not considered.
Maryn Foote: So true Maureen!
Emily Graff: Cause for a celebration
Maria Dolores Estravez: Yes, you have those AHA moments
LeAnna Deveaux-Miller: Thank you..Very interesting...reminds me of the flip classroom
amanda Helgerson: in nearpod you can set it to approve comments before they post. students write it up but doesn't post for others to see until teacher decides to let it post. gives time for other to think uninterrupted
Ellen Byron: One suggestion is tell students to type their idea in the chat BUT DONT hit enter. Then after quiet think time is over on the count of 3 everyone hits enter and all can see others ideas at the same time
Maryn Foote: Great suggestion Ellen!!! You just solved my problem.
Stephanie Moore: Great idea Ellen!
Chonda Long: NCTM 100 Days Presentation
Blog post for NCTM on Reasoning Talks

Angela Wilson: Thanks for the great tips and for me to remember to not talk just write and put the focus on the students thoughts and processes.
Marci Reddish: Thanks for all your ideas!!
Cindy Bryant: Great presentation!
Joan Vatz: this has been awesome for me - I'm not a math teacher, but I'm tutoring some middle school Syrian refugees, and math is their favorite subject.
Judy Radigan: Thank you so much!
amanda Helgerson: thank you
Lesly Brown: Thank you! Great presentation!
Sharon Black-MacKinnon: Thank you so much, wonderful webinar!!
Mohamed T: Thanks so much!
Daniel Irving: Thank you for this wonderful presentation and resources!
Andréa Chew: Thank you for your wonderful ideas!
Chauntae Whitter: I like that you guys worked together to present
Susan Bardenhagen: Thank you for the 4 great resource documents!!!
Ratu Ilma Indra Putri: Thanks for Great presentation....
Joan Vatz: thanks so very much!
Abigail Santiago: Thanks!!
Barbara Post: Thank you for a great presentation,
Chonda Long: NCTM 100 Days Presentation
01:16:59 Leizell Castillon: What is the weight of the box? Thank you All!
01:17:01 Wanda Parker: Thank you Cory, Stephanie, & Marci. Wonderful ideas!
01:17:07 Mary Dugas: thank you
01:17:10 Rachell Scott: Thank you!! for A Presentation.
01:17:14 Fanty Marc: Thank you!
01:17:16 Christine Yokoyama: Thank you
01:17:22 Dilek Orhan: great webinar
01:17:25 Stephenia Courtney: Thank you SO much for another presentation! I wish that I could have joined earlier in the session. I will definitely watch the recording tomorrow!👍👏
01:17:26 Ellen Byron: Nice quote Alfie!!

01:17:34 Bill Hudson: Thank you!
01:17:42 Maria Dolores Estravez: Thank you for a wonderful presentation. I will try my best to work on my “wait time” LOL
01:17:42 Maureen Kishbaugh: Many thanks yo the presenters and to the attendees who shared their insight.

01:17:48 Erika Hassay: Thank you for sharing your work and experiences!
01:17:51 Emily Kavanagh: Thanks so much
01:17:56 Leizell Castillon: Thank you All!
01:18:02 Olga Kosheleva: Thank you!
01:18:03 Rachell Scott: GREAT PRESENTATION!
01:18:04 Shelly Stelsel: Thank you very much.
01:18:04 Amanda Alfieri: Any suggestions for doing these digitally through distance learning?
01:18:07 Cheryl Romo: Thank you for your knowledge!
01:18:07 Dawn Lopez: Thanks so much!
01:18:09 Skip Fennell: Thank you very much.
01:18:10 Maryn Foote: Thank you. . .great precise information and shares.
01:18:14 Lorie Huff: Thank you! Great information!
01:18:15 Donna Misciagna: Thanks so much for your ideas.
01:18:15 Laurie Walker: Thank you for sharing!
01:18:16 Honey Sacro Swem: Thank you Dr. Bennett, Stephanie, and Marci. Appreciate your sharing your expertise and resources as well as lesson you've learned from the process.
01:18:18 Jennifer Thompson: Thank you so much.
01:18:19 Jennifer Nolan: Thanks everyone for getting this done in a quick way for those of us who are just getting done with day 1 with kids :)
01:18:19 Ellen Byron: Thanks so much! I just LOVE the shift from Talks to Reasoning!! Its all about the problem solving
01:18:31 Jacqueline Colbourne: Thank you!!
01:18:40 Donna McClue: Thank you so much. I look forward to trying the Reasoning Talk.
01:18:49 Mary France Imperial: Thank you so much.
01:18:52 Debra Borman: Thank you!
01:18:53 G Pad 7.0 LTE: Thank you
01:18:53 Trena Wilkerson: Thank you Cory, Stephanie and Marci! Such an important area and really appreciate you sharing your experience and insights!
01:19:06 Alma Miho: Thank you
01:19:33 Cheryl Ann Doyle E Barran: Thanks you guys I was engrossed from beginning to end. I am in small school so I am the only 7 grade teacher so i need colleagues with like minds to talk to.
01:19:36 Linda Koval: Thank you so much for sharing.
01:19:49 Linda Koval: Thank you NCTM for another fantastic seminar!
01:19:53 Jolanta Sobolewska: thank you
01:19:55 Chonda Long: NCTM 100 Days Presentation

Paper on Reasoning Talks

Blog post for NCTM on Reasoning Talks

01:20:22 Tatiana Pereyra: Thank you all.
01:20:22 Chonda Long: A transcript of the chat will be available tomorrow with the recording.
01:20:57 Justin Klinger: Thank you
01:21:04 Catherine Tung: Thank you, all! This was very informative and I'm excited to try a reasoning talk with my students.
01:21:04 Emily Mazur: Thank you
01:21:05 Melynee Naegele: Thanks for a great session!
01:21:09 Perrin Phillips: Thank you!!!
01:21:18 Amanda Alfieri: Thank you!!
01:21:26 Wisnu Siwi Satiti: Thank you Dr. Bennett, Stephanie, and Marci! Great presentation! It gives me helpful ideas in conducting reasoning talks in my class. Thank you so much!
01:21:38 Faith Peddie: https://www.nctm.org/store/5practices
01:21:56 Arlene Smith: Thank you
01:22:05 Aya Zvaigzne: Excellent seminar, thank you very much for making very explicit points for implementation.
01:22:17 Bart Kennedy: Look into Deck Toys, as well. Fun tool! Thank you for the great presentation!
01:22:51 Betty Stallings: Thanks a lot.
01:23:20 Dave Hankin: Thank you again from Globe, AZ.
01:23:50 Trena Wilkerson: Excited about the virtual conference! Hope you can join us!
01:24:23 Chonda Long: Yes, the certificate will be emailed to all participants tomorrow.
01:24:27 Sarah Waugh: Thank you for everything!
01:24:29 Tanya Landry: Thanks so much!
01:24:35 Maria Ryan: Thank you!
01:24:37 Chris Mann: Thanks for a great presentation!