

<html><head></head><body><pre style="word-wrap: break-word; white-space: pre-wrap;">

[Aug 1, 1:14 PM] Guest229: I'm so excited to learn from you, Margie!

[Aug 1, 1:17 PM] stevevyborney: I'm excited to learn from Margie!

[Aug 1, 1:18 PM] stevevyborney: I'm Steve, a district math coach from Oregon.

[Aug 1, 1:19 PM] zennedmath: Hi! Rosi McFadden, New York, Math Consultant. I often have teachers asking me to modify materials for them.

[Aug 1, 1:19 PM] stevevyborney: Hi, Rosie! Greetings from Oregon!

[Aug 1, 1:20 PM] LooneyMath: Sue Looney from Boston area - consultant. Super excited for Margie's talk! Hi all - ready to learn!!

[Aug 1, 1:20 PM] MissMath_Teach: Hi all! Lori from Missouri here! Super excited to hear from Margie! I agree w Christina- follow her on twitter for sure!

[Aug 1, 1:21 PM] stevevyborney: Hi, Sue!

[Aug 1, 1:21 PM] LooneyMath: Hey Steve!

[Aug 1, 1:21 PM] pearse_margie: Hi Everyone! so blessed you are here!

[Aug 1, 1:21 PM] stevevyborney: Hi, Margie! I'll try to add my photo to my profile...

[Aug 1, 1:22 PM] pearse_margie: Thanks for being here! Love my PLN!!!!

[Aug 1, 1:22 PM] zennedmath: I LOVE Tracy and Sue. Both inspirational!

[Aug 1, 1:22 PM] pearse_margie: Hi Sue!

[Aug 1, 1:22 PM] Guest7263: Tara McDermott here, Salem, NJ, 4th grade teacher, Attractive title - I talk way too much!

[Aug 1, 1:23 PM] pearse_margie: Hi Tara! Thanks for being here today!

[Aug 1, 1:23 PM] Christina Tondevold: So cool to see you all on here!!

[Aug 1, 1:23 PM] LooneyMath: Many of the teachers I support feel tied to a text book yet know it may not be meeting needs of students. We spend lots of time talking about how to teach CHILDREN vs teaching the program. Topic is very relevant to what I do.

[Aug 1, 1:23 PM] pearse_margie: Hi Lori! Thanks for being here friend!

[Aug 1, 1:23 PM] pearse_margie: Hi Christina! The summit is the bomb diggity!!! Learning so much!

[Aug 1, 1:24 PM] Debbie : My name is Debbie and I teach Kindergarten in the Northern Chicago suburbs. I am interested in doing more math talks and really understanding children's thinking and approach to problems.

[Aug 1, 1:24 PM] pearse_margie: Hi Rosi. Great to see you here today!

[Aug 1, 1:24 PM] Nan: Hi, Nan from Brick Township, NJ. I am a district math academic coach servicing our 8 elementary schools. We are trying to move from reliance on following our math program page by page toward deeper number sense and true problem solving.

[Aug 1, 1:24 PM] MissMath_Teach: This is awesome! Twitter meets a webinar! This topic is something that I talk w Ts about all of the time

[Aug 1, 1:24 PM] pearse_margie: Hi Nan. Great to see you!

[Aug 1, 1:24 PM] Christina Tondevold: :) Thanks, Margie. Thanks so much for being a part of it.

[Aug 1, 1:25 PM] pearse_margie: So thrilled to be here with all of you!

[Aug 1, 1:25 PM] Guest791: Hi Margie. Kim Devore from Belgrade, MT. I teach 2nd grade at Amsterdam Elementary School in Amsterdam, MT. I'm excited about the title because there's never one perfect curriculum. Hoping this will help me make the best use of the resources I have by helping me to fill in the gaps.

[Aug 1, 1:25 PM] Guest6675: Hi Margie, it's @floradteach

[Aug 1, 1:26 PM] pearse_margie: Hi Kim! Thanks for being here today!

[Aug 1, 1:26 PM] stevevyborney: Margie, could you summarize the Q in the chat window?

[Aug 1, 1:26 PM] pearse_margie: Hi Sis! Thank you for being here. Ooops that's my puppy!!

[Aug 1, 1:26 PM] pearse_margie: Sorry for the doggie!!!

[Aug 1, 1:27 PM] Guest3041: Your doggie woke up my doggies haha.

[Aug 1, 1:27 PM] pearse_margie: So funny! When taping, I never even heard him!

[Aug 1, 1:27 PM] stevevyborney: The dog is great, such a wonderful personal touch!

[Aug 1, 1:27 PM] Guest4513: Hi, Margie! This is Rebecca. Happy to be here!

[Aug 1, 1:27 PM] pearse_margie: Hi Rebecca! Thanks for being here friend!

[Aug 1, 1:28 PM] Diane Gunlock: Diane, I am from Crosby, ND. I am a kindergarten teacher, which means I am jack of all trades master of none!

[Aug 1, 1:28 PM] stevevyborney: This is an important conversation. I think there are many who can relate to this on several levels.

[Aug 1, 1:28 PM] MissMath_Teach: Fidelity is something I hear from our math series reps as well. I have been trying to find a way to help them understand the balance that we need to meet kids' needs

[Aug 1, 1:28 PM] Guest6675: Love "transform what's on the page into real lessons"

[Aug 1, 1:28 PM] pearse_margie: Hi Diane! You are right! All kindergarten teachers are teaching and doing everything!

[Aug 1, 1:29 PM] pearse_margie: Geez. I used to love the word fidelity!

[Aug 1, 1:30 PM] pearse_margie: Hi Crosby - Great to see you!

[Aug 1, 1:30 PM] zennedmath: "The program is not the teaching" LOVE THAT!

[Aug 1, 1:30 PM] MissMath_Teach: Diane, I am curious how K teachers are able to meet Ss needs by following textbooks that strictly. Any thoughts?

[Aug 1, 1:31 PM] stevevyborney: "Breathe life and joy and curiosity into..."

[Aug 1, 1:31 PM] Guest6675: @floradteach Need to differentiate for our students and provide access points for all students while teaching same concept

[Aug 1, 1:31 PM] pearse_margie: Are any of you in this same situation as this poor first year kindergarten teacher?

[Aug 1, 1:31 PM] jenniferklawler: I started using the phrase "intelligent fidelity" a couple of years ago to encourage teachers to use the tools their program provides while keeping in mind the students in front of them.

[Aug 1, 1:31 PM] LooneyMath: My thoughts is that I am SAD when I hear this and frustrated for the teacher. I then want to see how to come up with the "compromised solution" to this question. Because it is not possible that every kid needs the same thing at the same point in time.

[Aug 1, 1:31 PM] Heather Kirk: Heather from Lewiston, Idaho; 3rd grade teacher - I'm at a new school using Bridges this year. I am just started to look into the curriculum and would love to read/learn it through this lens.

[Aug 1, 1:31 PM] Guest7263: Students are not robots. They cannot do the same thing at the same time and learn the same things. Just my gut reaction.

[Aug 1, 1:32 PM] Guest6956: Hi Margie!

[Aug 1, 1:32 PM] pearse_margie: Amen! Students are NOT robots. We cannot treat them as such

[Aug 1, 1:32 PM] Guest2019: Liz from North Idaho - completing the journal pages does not mean the same thing as learning and internalizing the concept so they are flexible in their skills.

[Aug 1, 1:32 PM] Guest6956: I'm Valerie Tilton!

[Aug 1, 1:32 PM] CoachKQCA: Kimberly ... work in Plainfield, NJ ...live in Easton, PA ... getting ready to start my first year as in house instructional coach for math/science

[Aug 1, 1:32 PM] pearse_margie: Hi Val!! Thanks for being here friend!! Love you girl!

[Aug 1, 1:32 PM] Math912Teacher: Hi Margie!

[Aug 1, 1:32 PM] dh11235: Thanks for the discussion of "fidelity" and the dangers that can result from strict adherence to the textbook rather than to the thinking and needs of students.

[Aug 1, 1:32 PM] Guest6956: Listening as I drive home from Tallahassee

[Aug 1, 1:32 PM] Guest6675: Hey Valerie, @floradteach here

[Aug 1, 1:33 PM] pearse_margie: So thankful for all of you!

[Aug 1, 1:33 PM] Diane Gunlock: MissMath_Teach, I resource using TPT and my support staff for additional ideas to help all my learners. I do not follow our math series exactly.

[Aug 1, 1:33 PM] Guest6956: Hi!!!!!! So glad to "see" you!

[Aug 1, 1:33 PM] Guest6675: We will not learn what our students really do know, just a clone of others @floradteach

[Aug 1, 1:33 PM] MissMath_Teach: Yes! When we don't know that our students are not getting deep understanding, we feel like they are ready for the next grade level. Vertical teams are so important for this

[Aug 1, 1:34 PM] stevebyborney: My attention is rapidly drawn to... "Pose purposeful questions."

[Aug 1, 1:34 PM] Math912Teacher: I'm Michelle...HS math T 🌸

[Aug 1, 1:34 PM] Guest791: I might ask the administrator if I can add to the math program as long as I'm maintaining fidelity.

[Aug 1, 1:34 PM] stevebyborney: "Elicit and use evidence of student thinking."

[Aug 1, 1:34 PM] Guest6956: ❤️

[Aug 1, 1:34 PM] pearse_margie: Yes,! Yes! Yes! Thanks for all your contributions!

[Aug 1, 1:34 PM] stevebyborney: They are ALL so good and so important... and very interconnected.

[Aug 1, 1:34 PM] Guest5160: Boy, that is not what I learned in my Elementary Math Methods class. My professor would be appalled if I did that!

[Aug 1, 1:35 PM] pearse_margie: Yes, push back on this directive!

[Aug 1, 1:35 PM] dh11235: The 8 Math Teaching Practices will be the focus of my session coming up this afternoon. Please join me and dig deeper into these teaching practices. DeAnn Huinker

[Aug 1, 1:36 PM] MissMath_Teach: There is quite a gap between what is taught in methods classes and how many math series are expected to be used. How can we close that gap?

[Aug 1, 1:36 PM] pearse_margie: Amen, Lori, Amen! Totally agree!

[Aug 1, 1:37 PM] MissMath_Teach: Sometimes, Always, Never is such a great way to question/extend concepts from a book. Great share Margie

[Aug 1, 1:38 PM] Diane Gunlock: I agree we as teachers cannot just mindlessly follow the manual but instead use it as a jumping off point and breath life into our lessons by reading what the objective of the lesson is and using what or where are students are and make it connect with them.

[Aug 1, 1:38 PM] pearse_margie: Thanks Lori! So different when the thinking comes from the kids

[Aug 1, 1:38 PM] pearse_margie: LOVE, LOVE, LOVE Principles to Actions

[Aug 1, 1:39 PM] Nan: Most- establish math goals to focus learning

[Aug 1, 1:39 PM] Guest6675: Need to Always to what is best for ALL students - This is our argument, what is best for one student looks differently for another @floradteach

[Aug 1, 1:39 PM] Sandra Monica: I am lucky I'm in a district that allows us to supplement from the manual. I've never been very good with scripts. It bores me, I can only image what it does to the kids.

[Aug 1, 1:39 PM] LooneyMath: We can have students work with the concept concretely or with virtual balance scales like those in these images: <https://www.google.com/search?>

[Aug 1, 1:39 PM] Heather Kirk: This is what makes teaching so complex. You have to work from this space in which you know your standards, content, curriculum, and individual students well enough to meet their needs, draw on their strengths, and design learning experiences to engage them and move them forward. Fidelity, in my experience, leaves little room for flexibility. Fidelity is curriculum-centered rather than learner-centered.

[Aug 1, 1:39 PM] stevevyborney: I really appreciate how much you include joy in your descriptions of math experiences!

[Aug 1, 1:40 PM] Nan: Least- Pose purposeful questions, support productive struggle, facilitate meaningful math discourse, implement tasks that promote reasoning & problem solving

[Aug 1, 1:40 PM] pearse_margie: Steve, you do the same. That's why I love your animated math ideas

[Aug 1, 1:40 PM] Guest4513: Love those 3D shapes! R

[Aug 1, 1:41 PM] pearse_margie: I rarely see a good representation of ideas from prescribed math programs offering sufficient productive struggle

[Aug 1, 1:41 PM] stevevyborney: There is so much information given on the pan balance images...

[Aug 1, 1:41 PM] stevevyborney: I think it would be interesting to empty the number out of the pan balance images and ask the same question.

[Aug 1, 1:41 PM] pearse_margie: Thank you! I am delayed so not there yet! So funny

[Aug 1, 1:42 PM] stevevyborney: Wow! That makes me feel like I'm a step ahead of the presenter!

[Aug 1, 1:42 PM] zennedmath: Perhaps giving students an actual balance to explore concept.

[Aug 1, 1:42 PM] pearse_margie: Yes, we basically took that ugly worksheet and made it come alive with an investigation. Same problems - same objective - but kiddos loving math!

[Aug 1, 1:42 PM] stevevyborney: Just so you know, you are doing a great job in the future!

[Aug 1, 1:43 PM] Guest4513: Love the Math Practices! R

[Aug 1, 1:43 PM] Guest6675: Key words: establish, connect, facilitate, purposeful, support @floradteach

[Aug 1, 1:43 PM] stevevyborney: Great idea, zennedmath!

[Aug 1, 1:43 PM] JJDLagrange: Jennifer a K T from Atlanta coming in late here. Don't have a teacher's manual for math at all!

[Aug 1, 1:43 PM] pearse_margie: Sorry, I am a step behind everyone! :)

[Aug 1, 1:43 PM] pearse_margie: Hi Jennifer! Great to see you

[Aug 1, 1:43 PM] stevevyborney: I can visualize $\underline{\quad} + \underline{\quad} = \underline{\quad} + \underline{\quad}$ (with no numbers)

[Aug 1, 1:44 PM] Guest4513: Thinking of Carol Dweck (Growth Mindset)- She talks about praising use of strategies when students use them. The Math Practices would be great ways to praise that way and help foster a student's growth mindset. R

[Aug 1, 1:44 PM] pearse_margie: That's what we did with one of the investigations! We left it open and let the group decide. Loved the arguing that went on throughout the lesson. They were determined

[Aug 1, 1:44 PM] MissMath_Teach: I love the idea of using the text as a jumping off point. Great way to meet in the middle but allow for more learning. Ts can use their text before or after other supportive math experiences

[Aug 1, 1:45 PM] stevevyborney: The open-ended concept could make it easy to (as some point) insert a fraction on the balance.

[Aug 1, 1:45 PM] MissMath_Teach: Don't bother with the portion that Ss must copy what the Ts say. Skip those parts or have them do them later as a review independently

[Aug 1, 1:46 PM] pearse_margie: I agree! Any time we can include anything from Jo Boaler and Carol Dweck is win-win. We must free ourselves of a script that gives it all away

[Aug 1, 1:46 PM] pearse_margie: Hate to hear kiddos say, "What did she say I should put here?" Makes my skin crawl

[Aug 1, 1:47 PM] pearse_margie: I love the idea of adding fractions to this!

[Aug 1, 1:47 PM] LooneyMath: As this is an introduction for sure we could use context! A story that matches this scenario that is relevant other than those birds ... and then a concrete connection. Also. LOVE splat for this concept. Nice!

[Aug 1, 1:48 PM] stevevyborney: I see Splat! Thanks for sharing it Margie!

[Aug 1, 1:48 PM] MissMath_Teach: Our series has Ss fill in blanks for vocab and to define math properties. It is a total waste of time as a whole/small group, but could be used as a quick formative assessment or exit ticket at a later time.

[Aug 1, 1:48 PM] stevevyborney: Thanks for the kind words about Splat, Susan!

[Aug 1, 1:49 PM] pearse_margie: Yes, use the text as a jumping point. And then create an environment where students are exploring, investigating, wondering, and working hard

[Aug 1, 1:49 PM] MissMath_Teach: Splat is amazing! I've shared it with Ts at all grade levels

[Aug 1, 1:49 PM] pearse_margie: It's all about uncovering, not covering!!

[Aug 1, 1:50 PM] stevevyborney: Thanks for all the kind words about Splat! Here is the link to the 50 (now 70) free lessons: <http://www.stevevyborney.com/?p=893>

[Aug 1, 1:50 PM] stevevyborney: Love that quote, "It's all about the uncovering..."

[Aug 1, 1:50 PM] dh11235: I've been using Splat with teachers this summer, both whole numbers and fractions. They all plan to use Splat with their students this coming school year.

[Aug 1, 1:50 PM] JJDLagrange: Fidelity to a program sounds like Ts are not trusted to know their Ss and what they need.

[Aug 1, 1:51 PM] stevevyborney: Oh it is SO MUCH FUN to hear about this!

[Aug 1, 1:51 PM] stevebyborney: Oh, it is so much fun to hear about this!

[Aug 1, 1:51 PM] MissMath_Teach: Engagement! Yes! We work really hard to make math boring in elementary. It makes me so sad! Math is fun!

[Aug 1, 1:51 PM] pearse_margie: This class with Steve's wonderful splat problem, we turned the learning so the students needed to absolutely solve the problem to help the teacher!

[Aug 1, 1:51 PM] zennedmath: Introduced SPLAT to teachers this past year and they love it. Hopefully we could spread it around the district.

[Aug 1, 1:51 PM] Guest6675: Shared SPLAT with teachers at my school, they love it @floradteach

[Aug 1, 1:52 PM] MissMath_Teach: "sounds like Ts are not trusted.." I think this had lead to many teachers laking confidence in their math instruction beyond a textbook

[Aug 1, 1:52 PM] Diane Gunlock: You could take some balances and ask students to add cubes to make the scale balance. Leaving them to explore. Then bring them together and have them share some of their findings with the class. As teachers we could scribe what the are saying into a number sentence, $2+4=3+3$ and then ask what they notice.

[Aug 1, 1:52 PM] stevebyborney: Love that, moving flexibly among the representations. Using multiple forms of representations to make sense of the concepts.

[Aug 1, 1:53 PM] Guest4513: Love the collaboration! R

[Aug 1, 1:53 PM] pearse_margie: From the research from "White Folks Who Teach in the Hood," I learned our kiddos will commit when they feel that when they do, their voices will be heard. We turned that around with SPLAT.

[Aug 1, 1:54 PM] stevebyborney: Great concept: The students will commit when they feel their voices will be heard.

[Aug 1, 1:54 PM] MissMath_Teach: Does anyone have a specific balance they use? The ones that came with our math series are really inaccurate. It is really confusing for the Ss

[Aug 1, 1:55 PM] Guest6675: Notice and wonder - Love it

[Aug 1, 1:55 PM] JJDLagrange: ETA Hand2Mind has a nice balance.

[Aug 1, 1:55 PM] pearse_margie: I agree! When teachers are restricted by a scripted curriculum , they feel devalued!

[Aug 1, 1:56 PM] pearse_margie: We got ours from ETA Hand2Mind

[Aug 1, 1:56 PM] Guest6675: Kids Aldo don,t respond well to a script they know when we are being authentic @floradteach

[Aug 1, 1:56 PM] Guest4513: Transitions with scripted programs are not normally smooth. There is a "fakeness" to them. R

[Aug 1, 1:57 PM] JJDLagrange: I would like work on supporting productive struggle.

[Aug 1, 1:57 PM] pearse_margie: Love your idea Diane about the balances. What a great way to improve the lesson

[Aug 1, 1:58 PM] Guest4513: Love Splat! R

[Aug 1, 1:59 PM] Guest2019: Is Splat! electronic?

[Aug 1, 1:59 PM] pearse_margie: Want to shout out to Kristin Gray, Brian Bushart, and Jamie Duncan for the help with the numberless word problem

[Aug 1, 1:59 PM] pearse_margie: Yes, splat is electronic from Steve's blog. He's on tomorrow! It's a must see!

[Aug 1, 2:00 PM] Guest2019: Turn the problem into a story. My friends' house has three bedroom. One bedroom has 2 lights, another has 3 lights, and the other has 4 lights.

[Aug 1, 2:00 PM] Guest5160: Best-Support Productive Struggle (Desirable Difficulty) Least-Establish mathematical goals to focus learning (likely I assume that students can determine them from what we do)

[Aug 1, 2:00 PM] pearse_margie: Love the context of staying in the context.

[Aug 1, 2:01 PM] MissMath_Teach: So many fantastic resources and people to connect with in this session! Collaboration is your super power Margie!

[Aug 1, 2:01 PM] Guest6675: We are so lucky to have so many people share their expertise, so many great resources out there @floradteach

[Aug 1, 2:01 PM] pearse_margie: Collaboration is empowering! And you know, our PLN rocks

[Aug 1, 2:03 PM] stevebyborney: To make it more engaging, bring in an actual pool and toy ducks.

[Aug 1, 2:03 PM] stevebyborney: Have students re-represent the manipulatives in another format.

[Aug 1, 2:03 PM] Guest2019: Enact the bus stop scenario! They love role play!

[Aug 1, 2:03 PM] stevebyborney: Great idea to use only the picture!

[Aug 1, 2:03 PM] MissMath_Teach: I was thinking about using Lego people and a bus for this context

[Aug 1, 2:03 PM] pearse_margie: I should have done that! Bring in the pool and the ducks! Definitely doing that next year

[Aug 1, 2:04 PM] dh11235: Have the students act it out, they can be the ducks.

[Aug 1, 2:04 PM] pearse_margie: Love the idea of enacting the bus scenario!

[Aug 1, 2:04 PM] stevebyborney: Fun idea!

[Aug 1, 2:04 PM] stevebyborney: Those questions from the students are SO GOOD!

[Aug 1, 2:05 PM] Guest5160: How many ways can you write expressions equal to 7?

[Aug 1, 2:05 PM] pearse_margie: So cute, right!

[Aug 1, 2:05 PM] MissMath_Teach: I love the idea of having the Ss physically being the characters in the scenario

[Aug 1, 2:05 PM] pearse_margie: Me too. How powerful it would be for them to be part of the story.

[Aug 1, 2:06 PM] zennedmath: Thank you Margie that was great!

[Aug 1, 2:06 PM] Diane Gunlock: I love the idea of using a bus to act it out. How fun for the kids and makes learning come alive and more relevant.

[Aug 1, 2:06 PM] steveWyborney: Wonderful presentation, Margie! Your personal joy and your passion shines through!!!

[Aug 1, 2:06 PM] MissMath_Teach: I agree. Books give way too much information to Ss. It constricts their curiosity and does not encourage them to think on their own

[Aug 1, 2:06 PM] pearse_margie: Thank you all! So, so blessed by all of you!

[Aug 1, 2:07 PM] Guest6675: Thank you so much Margie! Very informative and lots to think about. You are truly passionate about what you do! @floradteach

[Aug 1, 2:07 PM] pearse_margie: Totally agree! This page robs all the joy out of this learning!!

[Aug 1, 2:07 PM] steveWyborney: You all should follow Margie on Twitter!

[Aug 1, 2:07 PM] steveWyborney: @pearse_margie <--- to follow Margie (I highly recommend!)

[Aug 1, 2:07 PM] MissMath_Teach: All I can see is a wading pool with 7 ducks floating around. Decompose by putting some in the pool and some out. How many in? How many out? How many total?

[Aug 1, 2:08 PM] dh11235: Thank you for your passion for student learning of mathematics with joy and understanding. Your passion is contagious!

[Aug 1, 2:08 PM] pearse_margie: Thanks Steve. Learning so much from you all the time!

[Aug 1, 2:08 PM] Guest758: Thank you, Margie! This was a great topic. Thank you for sharing with all of us! R

[Aug 1, 2:09 PM] pearse_margie: Thank you for being here with me! I am thrilled to spend this time with you all! I am truly honored!

[Aug 1, 2:10 PM] MissMath_Teach: This is a great notice and wonder picture

[Aug 1, 2:10 PM] JJDLagrange: The bus scenario reminds me of a math series which uses a double decker bus as a double ten frame.

[Aug 1, 2:10 PM] pearse_margie: Thanks. Lori!

[Aug 1, 2:10 PM] MissMath_Teach: Allow students to choose the tools that work for them. Love

[Aug 1, 2:10 PM] MissMath_Teach: Thanks Margie!!! This was fantastic

[Aug 1, 2:11 PM] Guest7263: It seems I was delayed as well. Thank you for the presentation. Notice and Wonder appears often in this summit. I can't wait to try it next month. I'm going to spend August revamping the math activities from Envisions. The introductory learning bridges videos and solve and share pages are good, but can really be more investigative rather than straight presentations and or guessing. I love these ideas! Thank you.

[Aug 1, 2:12 PM] pearse_margie: Trust in our little ones to experience learning in a way that infuses joy and wonder. We can use the text for objectives. Let's make math learning come alive!

[Aug 1, 2:13 PM] Diane Gunlock: Margie, thank you for reaffirming the concept that we as educators do NOT have to just mindlessly teach what the box curriculum provides us. But we can look for ways that make lessons fun and engaging by putting students in the drivers seat by asking them what they notice, wonder and how they could solve the question.

[Aug 1, 2:15 PM] JJDLagrange: Love using the lense of the 8 mathematical practices to improve each lesson. I will try to do that.

[Aug 1, 2:16 PM] Diane Gunlock: I love the idea of letting learners struggle! I am not always good at this. Thank you

[Aug 1, 2:18 PM] geonz: I've been in and out but will revisit soon!

[Aug 1, 2:19 PM] Guest5160: Three children each got a bag of apples. Each had a different number of apples (less than 7). How many apples did they have altogether. What other answers are possible?

[Aug 1, 3:16 PM] Guest2269: How do you make the time to allow for all this great learning and then have time for guided math centers? I struggle with how that would look?

[Aug 1, 3:27 PM] Guest9417: The print is so blurry that I am having trouble reading what comes from the teacher's manual. (I know that that's not a big loss but it's tough to follow and make sense of some of the conversation) The audio is very helpful, though.

[Aug 1, 3:35 PM] lauri: Hi I'm Lauri from Massachusetts. I teach third grade--all subject areas.

[Aug 1, 5:11 PM] Ivan Remus: HI! I'm Ivan Remus. Bilingual teacher. I teach 2nd grade in Dallas TX

[Aug 2, 6:11 AM] Guest2489: The print is too blurry to read and the pictures are too small to follow. Thanks for your verbal description.

[Aug 2, 9:12 AM] MathDiehls: Hi Steph Diehl here! From Lehigh Valley, PA. I am currently a K-12 Math & STEM Coordinator. This title intrigues me because teachers often ask me "How do I make this task/handout/activity more student driven?"

[Aug 2, 9:17 AM] MathDiehls: You are so right Margie--hear it all the time from "that administrator"

[Aug 2, 9:20 AM] MathDiehls: We were lucky that most teachers took that directive at face value. While they did follow with fidelity the first year, they were eager to make modifications the 2nd and 3rd years. :)

[Aug 2, 9:30 AM] MathDiehls: I think most programs out there do not address how to facilitate meaningful mathematical discourse, how to support productive struggle (and what that is/looks like), and how to elicit and use evidence of student thinking

[Aug 2, 6:40 PM] beekeeperHPS6: Math should not be a one size fits all. You can't use a cookie cutter recipe, especially for 5 year olds

[Aug 2, 6:50 PM] beekeeperHPS6: Most of our programs foster clear and precise learning goals. They offer opportunities for exploration and talking about student learning.

[Aug 2, 7:52 PM] Guest7735: beekeeper, what math program do you use?

[Aug 2, 7:59 PM] beekeeperHPS6: Mostly Math Makes Sense

[Aug 5, 11:52 AM] Guest5028: Judy Derr Madison Local Schools, Ohio. 4th grade . We have a scripted math program that hopefully this will help me figure out how to do more with Math than what is in the script.

[Aug 6, 5:26 AM] Brenda Dunlop: Math Makes Sense, but I adapt it for my gr.1 and gr.4 classes

[Aug 7, 6:17 AM] Vandy Reppert: Fidelity is definitely an "F" word.

[Aug 7, 6:20 AM] Vandy Reppert: Does anyone else use Eureka Math???

[Aug 7, 7:51 PM] Kristen: We are using Engage NY and at first i did not like it but it has grown on me. I do not use it with fidelity and do not do every lesson and activity as there is just too much to complete.

[Aug 7, 7:57 PM] Kristen: I use Number Talks and students use different models to show their understanding of the concepts taught and to be able to explain how they solved a problem.</pre></body></html>