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[Jul 31, 10:31 AM] Guest4838: Glad to be here!

[Jul 31, 10:35 AM] Guest1969: Glad to be here.

[Jul 31, 10:35 AM] Shanina Lige: Im so excited to see what you have in store.

[Jul 31, 10:37 AM] Guest6943: I'm glad to be listening in.

[Jul 31, 10:37 AM] Guest9889: So... by live, this chat section is live, but the s/peaker isn't interacting with us in real time, correct

[Jul 31, 10:38 AM] Guest9889: correct?

[Jul 31, 10:39 AM] Guest9889: I ask because I dropped in 5 minutes late but appeared to be starting at the very beginning of the presentation. Just trying to understand the format of these presentations.

[Jul 31, 10:41 AM] Guest8257: corect

[Jul 31, 10:41 AM] Jenna: Right. It's a little hard to feel inspired to use the chat window when the viewing is staggered/we're all watching different moments!

[Jul 31, 10:43 AM] Guest9889: Yes. But this is the first time Christina is trying this, so I guess we're all learning about this format together! It does make it less enticing to listen live. I can basically get the same experience listening whenever.

[Jul 31, 10:43 AM] Jenna: Yes, I'll probably be watching most of the sessions late at night now ;)

[Jul 31, 10:43 AM] Guest4838: right, I'm seeing the value of having access to the presentations for the next 7 days

[Jul 31, 10:43 AM] Guest9889: ...and I might get less internet traffic.

[Jul 31, 10:44 AM] Guest4838: i am enjoying knowing that i am online with like-minded, curious professionals

[Jul 31, 10:45 AM] Guest9889: Yes good point. But in the opening session, there was far more chatter of resources OUTSIDE the speaker - so... not sure if this disconnect works. Jury's still out for me.

[Jul 31, 10:46 AM] Guest4838: The book "How Many?" develops this mathematical lens concept for primary students

[Jul 31, 10:47 AM] Guest8257: who wrote that book?

[Jul 31, 10:51 AM] Guest4838: Ron Van Der Meer

[Jul 31, 10:52 AM] Lesley: Greetings from North Carolina!!

[Jul 31, 10:53 AM] Vandy Reppert: Hello, from AZ

[Jul 31, 10:53 AM] Guest5493: Central PA says hello!

[Jul 31, 10:53 AM] Michelle from MD: Hello from MD!

[Jul 31, 10:53 AM] Guest2146: Cheers from Cape Cod!

[Jul 31, 10:54 AM] Tracy Roeser Casey: Finally got in after getting kicked out!

[Jul 31, 10:54 AM] Guest4838: Representing Oregon!

[Jul 31, 10:54 AM] HSherman: Here from IN

[Jul 31, 10:55 AM] Tracy Roeser Casey: Good morning from Southern California!

[Jul 31, 10:55 AM] Rachel Beagan: First grade teacher from RI

[Jul 31, 10:55 AM] Debbie Mendelson: Will we get these slides from Mike?

[Jul 31, 10:55 AM] Patricia Banse: Patricia Kinder from Texas

[Jul 31, 10:56 AM] Patricia Banse: no handouts... just certificate

[Jul 31, 10:56 AM] Guest1836: hello from iowa

[Jul 31, 10:56 AM] Lesley: Think the email said it will be assessible for some time. Not sure if we get copies, Debbie.

[Jul 31, 10:57 AM] Melanie Delahoussaye: I accidentally clicked something else and it started over. Is there a way to fast forward back to where I was?

[Jul 31, 10:57 AM] Lesley: Don't think so, Melanie

[Jul 31, 10:57 AM] Lesley: I tried it in the last session

[Jul 31, 10:58 AM] Shanina Lige: I don't believe you can. The same thing happen to me during the first session.

[Jul 31, 10:58 AM] Guest3733: YOu can fast forward by using the forward arrow

[Jul 31, 10:58 AM] Melanie Delahoussaye: How frustrating!

[Jul 31, 10:58 AM] Guest6999: I just did the same... when I made the video full screen, I was able to skip ahead by using the right arrow on my keyboard

[Jul 31, 10:58 AM] Tracy Roeser Casey: I clicked on the lick to get handouts and filled out name and email . I received an email and a copy of all the slides

[Jul 31, 10:58 AM] Lesley: I dont have a forward arow

[Jul 31, 10:58 AM] Guest6044: I just recv'd my certificate from Angela's presentation through email. :)

[Jul 31, 10:59 AM] Guest1836: Hoping to get a link for the slides

[Jul 31, 10:59 AM] Lesley: how do we get the certificate?

[Jul 31, 10:59 AM] Guest4838: Good point - sometimes we get so focused on the lack of fine motor skills that we miss the math being modeled

[Jul 31, 10:59 AM] Guest8257: https://s3-us-west-2.amazonaws.com/bmmcommunity/VMS17-downloads/Flynn_VMS.pdf

[Jul 31, 10:59 AM] Guest8257: link to slides

[Jul 31, 11:00 AM] Tina: thx for the link!

[Jul 31, 11:00 AM] Guest3733: The forward arrow on your computer
[Jul 31, 11:01 AM] Guest7882: 4+4+4+1
[Jul 31, 11:01 AM] Guest4838: 13:5+5+3
[Jul 31, 11:01 AM] HSherman: I feel bad for the technical problems...sorry everyone...including myself. LOL
[Jul 31, 11:02 AM] Lesley: How do we get certificates?
[Jul 31, 11:02 AM] Guest8257: certificate will coe at the end
[Jul 31, 11:02 AM] Lesley: ok. thank you.
[Jul 31, 11:02 AM] Guest4838: for certificate, request the handouts and the certificate will get emailed to you
[Jul 31, 11:02 AM] Lesley: Thank you friends!
[Jul 31, 11:03 AM] Connie B: ahhh....that makes sense! thank you...I'm looking for something to click at the end of the last session...and nothing
[Jul 31, 11:03 AM] Guest4371: 3+2+4+1+3
[Jul 31, 11:04 AM] Shanina Lige: 3
[Jul 31, 11:05 AM] Pam B: Just go in about 5 minutes ago so I'm a little behind.
[Jul 31, 11:05 AM] Pam B: I'm a Sped teacher in upstate NY
[Jul 31, 11:05 AM] StacyB: When I request the notes, it only loads 50%, so the notes won't load. Any suggestions?
[Jul 31, 11:06 AM] Lesley: I received the notes/slides fro Angela's session, but not a certificate.
[Jul 31, 11:06 AM] Guest5307: Maybe right click and save, then open it on your device??
[Jul 31, 11:06 AM] Guest8257: https://s3-us-west-2.amazonaws.com/bmmcommunity/VMS17-downloads/Flynn_VMS.pdf
[Jul 31, 11:07 AM] Pam B: I believe there is supposed to be a link at the end of the session for the certificate.
[Jul 31, 11:08 AM] Connie B: that didn't come up for me in the other session at all....
[Jul 31, 11:08 AM] Connie B: just "thanks for coming"
[Jul 31, 11:08 AM] Lesley: Me either Connie
[Jul 31, 11:08 AM] Connie B: :)
[Jul 31, 11:09 AM] Guest3733: Abstract=Model with Mathematics makes sense.
[Jul 31, 11:09 AM] Guest3733: Create a model represents what the math says.
[Jul 31, 11:11 AM] HSherman: Large, spiral staircase with a lot of floors
[Jul 31, 11:11 AM] StacyB: thanks for the link for Mike's slides. Any chance that someone has Angela's link as well, since they wouldn't download either?
[Jul 31, 11:11 AM] Tina: https://s3-us-west-2.amazonaws.com/bmmcommunity/VMS17-downloads/Watson_VMS.pdf
[Jul 31, 11:11 AM] Deborah DeJongh Anderson: Angela's download worked on my iphone
[Jul 31, 11:12 AM] Guest4838: someone put the link to Angela's in her chat window for that session
[Jul 31, 11:12 AM] buildmathminds: I've updated the handouts, so if you go to the email that was sent the updated files will come up.
[Jul 31, 11:12 AM] Guest4838: thank you!
[Jul 31, 11:12 AM] Erin Abee Wall: I'm just logging in. How do you get the notes?
[Jul 31, 11:12 AM] Tracy Roeser Casey: Email worked for me! Thanks
[Jul 31, 11:12 AM] Tina: https://s3-us-west-2.amazonaws.com/bmmcommunity/VMS17-downloads/Flynn_VMS.pdf
[Jul 31, 11:13 AM] HSherman: https://s3-us-west-2.amazonaws.com/bmmcommunity/VMS17-downloads/Flynn_VMS.pdf
[Jul 31, 11:14 AM] StacyB: Thank you everyone for the links
[Jul 31, 11:15 AM] Guest7406: so excited
[Jul 31, 11:15 AM] Erin Abee Wall: Thank You! :)
[Jul 31, 11:16 AM] Tina: 5+5+3=13
[Jul 31, 11:18 AM] Jennifer Bearss: 5+3+5 = 13
[Jul 31, 11:18 AM] Guest4838: 3x10+4
[Jul 31, 11:19 AM] Rachel Beagan: 3+3+3+3+1
[Jul 31, 11:19 AM] Guest4838: (3xD)+4=total number of marbles
[Jul 31, 11:19 AM] Guest8257: I think we are all on different parts of the video. Anyone else on the hen's roost stuff?
[Jul 31, 11:19 AM] Tina: we are on different parts for sure
[Jul 31, 11:20 AM] Rachel Beagan: Math routines quick images
[Jul 31, 11:20 AM] Guest7882: I'm on hen roosts :)
[Jul 31, 11:20 AM] Tina: I just finished the routines section
[Jul 31, 11:20 AM] Lauren Girard: LOVE 3 Act Tasks
[Jul 31, 11:20 AM] Tina: Now I'm on 6 crayons in all
[Jul 31, 11:20 AM] Guest7026: 5+5+3
[Jul 31, 11:20 AM] Guest7882: I'm glad Mike noted that concrete representations (drawing pictures) are useful and important.
[Jul 31, 11:21 AM] Guest8257: agreed i think the goal is to move them from the concrete to the abstract
[Jul 31, 11:21 AM] Guest8257: but its okay for them to start in the concrete

[Jul 31, 11:21 AM] Tina: yesss!

[Jul 31, 11:21 AM] Lesley: CRA

[Jul 31, 11:21 AM] HSherman: of course, the concrete is what gives them their initial understanding

[Jul 31, 11:23 AM] Guest7882: Diagrams are wicked useful to advanced mathematicians too

[Jul 31, 11:23 AM] Guest2348: 13

[Jul 31, 11:23 AM] Ivan Remus: $4+4+4+1$

[Jul 31, 11:23 AM] Ivan Remus: $=13$

[Jul 31, 11:23 AM] Tracy Roeser Casey: 13

[Jul 31, 11:23 AM] Guest2348: sets of 4.,4.,4, 1

[Jul 31, 11:24 AM] Tracy Roeser Casey: $3+4+3+3$

[Jul 31, 11:25 AM] Guest7882: Act 3 is about recontextualizing the mathematics. Does my mathematical model match the real world?

[Jul 31, 11:25 AM] Patricia Banse: $3\ 2\ 3\ 2\ 3 = 13$

[Jul 31, 11:27 AM] Guest2348: I never thought about having them to group items before.

[Jul 31, 11:28 AM] Tracy Roeser Casey: I love that idea about grouping items too!

[Jul 31, 11:28 AM] Lesley: subitizing is an excellent strategy!

[Jul 31, 11:32 AM] Linda Lettieri: THANKS! This was very worthwhile with great specific illustrations of excellent problems for modeling mathematics!

[Jul 31, 11:33 AM] Patricia Banse: love the examples

[Jul 31, 11:33 AM] HSherman: 13

[Jul 31, 11:34 AM] Guest1969: Thanks Mike!

[Jul 31, 11:36 AM] HSherman: $5+1+4$

[Jul 31, 11:37 AM] Guest3733: Love the 3 Act tasks!

[Jul 31, 11:37 AM] LornePOgilvie: great stuff, kids need to see that math has purpose and that we can see math everywhere. Cheers Mike

[Jul 31, 11:37 AM] Guest2348: Is there a book for these investigations to present to preschool level students? I develop my own curriculum don't have a set curriculum

[Jul 31, 11:38 AM] Guest5145: Thanks Mike!

[Jul 31, 11:40 AM] HSherman: love the crayons!

[Jul 31, 11:40 AM] Patricia Banse: love the hen example

[Jul 31, 11:44 AM] Jennifer Bearss: gfletchy.com - resource for 3 act tasks... great videos!

[Jul 31, 11:44 AM] Guest2348: How many dollar bills are there?

[Jul 31, 11:45 AM] HSherman: I thought she was noticing she had 4 blues and 2 reds and was thinking $4 + 2$ after she thought of $2+2+2$

[Jul 31, 11:46 AM] Pam B: I was thinking the same thing

[Jul 31, 11:46 AM] kteacherjill: I thought the same HSherman! She kept seeing $4+2$ but realized her equation was matching.

[Jul 31, 11:46 AM] Lesley: LOVE the cartoon!!

[Jul 31, 11:47 AM] HSherman: YES! Exactly! That's why she kept going back to counting it over and over again. She saw a different way to do it because of her drawing.

[Jul 31, 11:49 AM] Lesley: Where is the certificate???

[Jul 31, 11:49 AM] HSherman: the certificate should come at the end of the video

[Jul 31, 11:50 AM] Lesley: But it didn't!!

[Jul 31, 11:50 AM] HSherman: uh oh...i would e-mail the facilitator

[Jul 31, 11:51 AM] Guest8066: I love that the video clip is a "real" classroom! I hate when the classrooms are staged.

[Jul 31, 11:51 AM] Guest2348: Very informational and great ideas! Thanks Mike.

[Jul 31, 11:51 AM] HSherman: 3 marbles times the number of days for older kids

[Jul 31, 11:52 AM] HSherman: oh the 4 in the beginning lol

[Jul 31, 11:57 AM] HSherman: 22

[Jul 31, 11:58 AM] Guest2348: Couldn't print certificate.

[Jul 31, 11:59 AM] Guest2146: how do we get certificate for this session

[Jul 31, 11:59 AM] Guest2348: I thought it would email it to me just as I had done the first session but it didn't

[Jul 31, 11:59 AM] Guest969: you have to watch it to the end, submit your email when prompted and then it will come via email

[Jul 31, 12:01 PM] Guest2665: I'm way behind in the presentation because the earlier one I watched ran over...my father was a math teacher and I never appreciated what he was trying to show me at the kitchen table but you are recognizing and confirming the importance of teaching what is common in mathematics problems...

[Jul 31, 12:02 PM] HSherman: I think modeling is important. It makes it a lot easier to figure out how to create an equation and see the answer.

[Jul 31, 12:08 PM] Guest2665: So true...I just wish years ago when we would get those math sets of Unifix cubes we had the training of how to use them!

[Jul 31, 12:27 PM] Betsy: I loved Mike Flynn's book!

[Jul 31, 12:35 PM] kbriseno: loved the crayons representation and the "real" video!

[Jul 31, 12:53 PM] kbriseno: Thank you Mike! Interesting information!

[Jul 31, 1:13 PM] Jessica H: Very interesting. Love the lighthouse step problem in the introduction to tie to a real world scenario.

[Jul 31, 1:29 PM] Vandy Reppert: Teachers on vacation. LOVE IT!!!!

[Jul 31, 2:35 PM] ErinLawrence: Excited to share with K2 how to go deeper with Math Routines at

Jul 31, 2:35 PM] ErinLawrence: Excited to share with K2 how to go deeper with math routines at the abstract level. @MikeFlynn55 #VMS17

[Jul 31, 2:39 PM] themathgirl: Love these...only on my 2nd one but love it!

[Jul 31, 6:25 PM] Guest2257: How do people feel about the Georgia Framework? Do you feel it covers standards thoroughly?

[Aug 1, 10:05 AM] Aimee Riley Jackson: I love using quick images routines and activities. So much math talk comes out of this!

[Aug 1, 10:28 AM] Guest6361: More and more, I am seeing key questions that allow for students to share their observations and what they wonder. This is so different from what I feel our curriculum models. Thankfully, in my district we can use the curriculum in a way that allows for the key questions of students to be explored and answered.

[Aug 1, 11:37 AM] Guest87051: How do I get the certificate for Mike's session?

[Aug 1, 8:03 PM] Guest616: Thank you for all the wonderful information!!

[Aug 1, 9:05 PM] Anna Hanson: Great session. Thanks fot some great ideas.

[Aug 2, 7:01 AM] Guest9098: Thank you so much! This was very informative. Cant wait to try the 3 act math tasks!

[Aug 2, 9:13 AM] Kristen Bourn: Enjoy learning something new and sharing with my students.

[Aug 2, 9:46 AM] Lori Kuck: Are there certificates of completion for the courses?

[Aug 2, 9:46 AM] KimberlyMertens: It should come up as a link to click on at the very end of the video

[Aug 2, 12:42 PM] Guest8724: Great information I love the first student example of modeling with mathematics.

[Aug 3, 11:26 AM] Kathy Lopez: How does one get a completion cert. if the video was viewed apart for the live summit? There was no link at end of Angela Watson's video.

[Aug 3, 1:49 PM] Nan: I love 3 Act Tasks. Thank you for great examples of mathematizing the world for young students!

[Aug 3, 1:53 PM] Deanna Talton: Same here Nan. I'd love to get this Investigations book he's referred too.

[Aug 3, 3:10 PM] Guest520: I too would love the book.

[Aug 3, 9:41 PM] Guest1201: I appreciate real classroom examples to understand concrete and abstract student models.

[Aug 4, 7:01 AM] Guest5014: Thanks Mike! Loved your book and have truly enjoyed your presentation. THANK YOU!Sue

[Aug 5, 7:46 PM] Cathy Hicks: Love the videos and real life examples. It almost looked like the little girl in the kindergarten partnership was putting the 2's in groups; as she counted 1, 2, 3. The other little girl counted all the dots to come up with 6. Love this real video!

[Aug 6, 9:09 PM] Guest3272: Do you feel this is age appropriate for prek age 4 students

[Aug 7, 8:15 PM] Guest6047: Great Session...I am seeing familiar tasks from the subitizing class from last winter. Looking forward to starting the year with these tasks.</pre></body></html>