

00:18:01 Trena Wilkerson: Hello from Waco, TX via Philadelphia, MS!
00:18:12 Cindy Bryant: Greetings from Springfield, MO!
00:18:14 Trena Wilkerson: Hello from Waco, TX via Philadelphia, MS!
00:18:27 Carol Matsumoto: Hi from Winnipeg
00:18:33 Elizabeth Sawyer: Hello from Arizona! This is my 4th
00:18:34 Peta-Gaye Benjamin: Hi from AZ 15 sessions
00:18:35 Cherish Alberts: Hi from Virginia!!
00:18:36 Claudia OKeefe: Hi from Buffalo, NY!
00:18:36 David Brancamp: Hi from Carson City, Nevada
00:18:37 Marina Xavier: Hayward, CA 3 sessions
00:18:37 LANY JAMERO: good morning from philippines
00:18:40 Gil Geeran Bangeles: Hello from Philippines!
00:18:40 Tanya Landry: Hello from Baton Rouge!
00:18:40 Kendra Edwards: Hi from Brooklyn, NY
00:18:43 Andréa Chew: Hello from Spotsylvania, VA
00:18:45 Cindy Bryant: Please set your chat to "All panelists and attendees" so that everyone will be able to see your chat posts.
00:18:46 Vito Di Leo Jr.: Hi from Brooklyn, NY
00:18:47 Daniel Irving: Hello from North Providence, RI!
00:18:47 Cary Mallon: Hello from Oregon
00:18:47 Kathleen Morris: Good evening from northern VA ~ too many sessions to count!
00:18:49 Rachell Scott: Hi from Maryland!
00:18:53 Cary Mallon: My second session
00:18:54 Aya Zvaigzne: Best wishes and love from Nashville, TN
00:18:54 Sharon Black-MacKinnon: Greetings from NB Canada. This is my 85th webinar! Very grateful for this opportunity!!
00:18:56 Nora Marasigan: Hello from Philippines.
00:19:00 peter zirnis: Hi from Etobicoke Ontario
00:19:00 Ramona Hall: Hi from NC
00:19:01 Tami Nelson: Hi from Pine City, MN
00:19:02 marissa heitman: hello from Everett WA. this is number 37 for me. and its 4 pm here!
00:19:02 Michael Chrzan: What up doe?! From Detroit, MI
00:19:03 Carmen Guzman: Hello from Florida
00:19:05 Ramona Hall: 85!!! Wow!
00:19:07 Perri Piercey: Hi from Nashville, TN
00:19:11 Keri Naso: I've attended to many sessions to count
00:19:11 Wisnu Siwi Satiti: Hello everyone! Good morning from Indonesia
00:19:12 Lisa Galanes: hello from il
00:19:14 Debra Cowan: Good Evening from Mastic Beach, NY
00:19:16 Lisa Galanes: IL
00:19:19 Aya Zvaigzne: Nashville represents :D
00:19:24 Linda Koval: Hello from Bealeton, VA.
00:19:25 Olga Kosheleva: Hello from El Paso, TX, attended all of webinars.
00:19:30 Lisa Aldous: Hello from Arnold, Maryland!
00:19:31 Kim Petersen: hello from Calgary, Canada!!!
00:19:32 MaryJo Swann: Hello from Kansas!
00:19:35 Jacqueline Colbourne: Hello from MD
00:19:35 Rosalyn Bantay: Hello from Philippines

00:19:40 Ramona Hall: Love Calgary!
00:19:44 LF W: Good morning from Singapore!
00:19:45 Randolph Chapman: Hello from NYC
00:19:48 Karen Laurent: Greetings from Delmar, NY!
This is my fourth session!
00:19:48 Georgina Coffin: Hello from Fircrest, Washington
00:19:54 Christina Tully: hi from Las Vegas, NV!
00:19:56 Stephenia Courtney: Hello from Las Vegas, NV
00:19:59 Justin Klinger: Hello From Romeoville IL
00:20:00 Elmer Mayol: Hello from Cebu, Philippines
00:20:00 Emerlina Binuya: Hello! I'm Emerlina from Petersburg,VA
00:20:09 Kathleen Kustura: southern california
00:20:15 Jorge Veloso: Hi from Angola.
00:20:17 Amanda Alfieri: Hi From California!
00:20:27 Don Duong: Hello from Portland Oregon
00:20:35 Carol Treglio: Hi from San Diego
00:20:37 Melonie Smith: Hello from Chicago
00:20:45 Lesly Brown: Hello from Tennessee!
00:20:55 Mohamed T: Greetings to All, Mohamed, CT
00:21:03 Mary Lynn Raith: hello from Pittsburgh
00:21:10 Nicole Rigelman: Hello from Portland, Oregon :)
00:21:17 Julie Herron: Hello from Wisconsin
00:21:25 Shashidhar Belbase: Hello from the United Arab Emirates (UAE) !
00:21:26 Emily Kavanagh: Hi from Columbia, MD
00:21:28 Lorie Huff: Hello from Fayetteville, Arkansas
00:21:28 Patricia Daugherty: Hello from San Francisco, CA
00:21:32 Carol Matsumoto: Great seeing you again Diane. It's been
awhile.
00:21:37 Cary Mallon: hello from Oregon, I attended yesterday also
00:21:51 Barbara Post: Hello from Orange, CA
00:22:09 Cindy Bryant: Please set your chat to "All panelists and
attendees" so everyone can see your chat posts.
00:22:17 Yvonne Holloman: Hello from Virginia!
00:22:26 Mary France Imperial: Hello from Philippines
00:22:51 Cindy Bryant: Please set your chat to "All panelists and
attendees" so everyone can see your chat posts.
00:22:59 Donna Mischiagna: Hello for Tucson, AZ
00:23:11 dana dulzo: hello from dana novi mi
00:23:24 Laurie Harrell: hello from Harpers Ferry, WV
00:23:42 Cindy Bryant: Please set your chat to "All panelists and
attendees" so everyone can see your chat posts.
00:23:44 LeAnna Deveaux-Miller: Good Evening From New Providence, THE
BAHAMAS
00:23:45 Myra Absin: Hello from Philippines.
00:24:06 Cindy Bryant: Welcome from all over the world!
00:24:10 Linda Koval: It is okay, I had to do this with my 10-year-old
today. She had to help me.
00:24:13 Deborah Alexander: from Chilliwack bc
00:24:23 Sara Rengstorf: Hello from Virginia
00:25:03 Jonathan Marcovitz: Greetings from Fort Lauderdale

00:25:29 lee hanby: hello from ashburn, va
00:25:44 Pam Cadena: Hi from my classroom in Redondo Beach, CA
00:25:58 Rogelio Lapulapu: Good morning,..from the Philippines
00:26:02 Winnica McLean: Hello from Florida
00:26:16 W Gary Martin: "Bug-bear" – love it!
00:26:21 Rhonda Perkins: Hello from Virginia
00:26:22 Aya Zvaigzne: I am at the mercy of state tests for my evaluation
and school funding, and possible school takeover.
00:26:24 Cindy Bryant: Very interesting indeed!
00:26:25 Honey Sacro Swem: Hello from Redlands, CA
00:26:33 BABY ANN ZAMORA: Good morning from the Philippines
00:26:44 Michael Welch: Boston
00:26:50 Cindy Bryant: Powerful document!!!
00:26:56 Betty Stallings: Hello from VA
00:27:08 aurora gonzales: good morning from Phil
00:27:33 Carly Jardinier: Hello from MD, USA :)
00:27:50 Ethan Weker: Hello from Northern California!
00:28:00 Cindy Bryant: Oh yes!
00:28:34 Ruby Maghirang: Hello from Baltimore, Maryland
00:28:42 Gloria Flores: Hello from Texas
00:29:01 Tameillia Cain: Hello from Atlanta
00:29:05 Comlavi Djondo: Hello rom New Jersey
00:30:09 Mary France Imperial: hi @Baby Ann :)
00:30:32 BABY ANN ZAMORA: Hi Ma'am France
00:37:55 Faith Peddie: @Katina Do you teach at Lewport?!
00:38:31 Susan Bardenhagen: I remember when those books came out- NCTM
had brochures for every group- parents, teachers, business leaders, and students. I
still have one of each that I used at a STEM careers conference. =)
00:38:54 Trena Wilkerson: Awesome Susan!
00:39:50 Tara Fulton: Yes! That first was is mine :)
00:39:51 Linda Koval: 1st one.
00:39:55 Ethan Weker: Scalene all the way!
00:40:03 Stephenia Courtney: 1st
00:40:05 Alex Freuman: Scalene for me too. :)
00:40:07 Wisnu Siwi Satiti: 1st one
00:40:08 Barbara Post: I still have almost all of those documents and I
have been retired for over 14 years but still work with teacher candidates.
00:40:14 W Gary Martin: + 1 for scalene!
00:40:15 Susan Bardenhagen: Hi, Trena,
00:40:38 Michael Chrzan: Ooo, this is GOOD!
00:40:54 Ruby Maghirang: 1, 5, 7, 10
00:40:55 Tara Fulton: 1,5,7,10
00:41:02 Tara Fulton: Different orientations and sizes
00:41:07 Alex Freuman: It may highlight misconceptions.
00:41:21 Aya Zvaigzne: How many triangles can you see?
00:41:21 Winnica McLean: 1,5,7,10
00:41:26 Justin Klinger: They knew what wasn't a triangles
00:41:30 Aya Zvaigzne: I see lots of them.
00:41:33 Mary France Imperial: 1, 5, 7, 9, 11, 10
00:41:36 Linda Koval: Yes!

00:41:43 Ethan Weker: On a plane? Curved surface projections? Could add 3, 14, 13

00:41:48 Aya Zvaigzne: why do the sides have to be straight?

00:41:56 Michael Chrzan: 3 and 6!

00:41:59 W Gary Martin: @Etahn that was what I was thinking!

00:42:23 Linda Koval: Line segments are straight.

00:42:34 Ethan Weker: Came up with students today in my math club.

00:42:37 Michael Chrzan: That's such an amazing distinction for kids to see and understand about mathematics though!

00:43:01 Trena Wilkerson: Hello Susan!

00:43:17 Rachell Scott: 10 is object

00:43:38 Honey Sacro Swem: Can see students' misconceptions based on their responses when using this assessment

00:43:57 Justin Klinger: How we draw them

00:43:59 lee hanby: we always draw them that way

00:44:05 Rachell Scott: Taught

00:44:10 Alex Freuman: Always!

00:44:28 Justin Klinger: I have purposely draw them differently

00:44:28 Aya Zvaigzne: third question is gold

00:44:38 Linda Koval: When I taught Geometry, I had to teach students to redraw the triangle because they didn't see the triangle the way it is presented to them.

00:44:55 Comlavi Djondo: all depend on the definition of triangles that were given earlier during the lessons

00:45:12 Tameillia Cain: that concept (how they view thehas to be developed in elementary

00:45:26 Susan Bardenhagen: I never thought about "upside down" or facing the "wrong way". But, I have gotten left angles and right angles..... =)

00:45:38 Linda Koval: I love the sometimes, always, and never questions.

00:45:57 Tameillia Cain: that concept (how they view triangles) has to be developed in elementary

00:47:57 Linda Koval: What an amazing partition problem!

00:48:29 W Gary Martin: Oh no!

00:48:47 Emily Kavanagh: Great example

00:49:13 Rachell Scott: Yeah, a good example.

00:49:20 Stephenia Courtney: higher level thinking

00:49:47 Linda Koval: The dentist problem was great because if his rule applied, then it would work for 3 out of 5 dentist. The student would realize that his/her method did not work.

00:50:14 Aya Zvaigzne: Maybe make the students draw a shape of their own choosing and then come up with a way to find the area?

00:50:55 Ethan Weker: @Linda good point, but would be even easier to see with 5 out of 5 - should be 100% but comes to 25% which seems intuitively more wrong/easier to see it's wrong than the 3 out of 5 (15% vs 60%)

00:50:56 lee hanby: design garden with various areas

00:50:57 Tanya Landry: manipulatives - composing shapes

00:51:00 Linda Koval: Comparing relationships between the area is so important.

00:51:38 Justin Klinger: Draw a shape and write dimensions that will give you

a specific area.

00:51:59 Linda Koval: Students need to be able figure out the missing part. Given the area and one of its sides, find the missing side. It is very important when the area is a triangle.

00:53:56 Aya Zvaigzne: This definition of understanding can be immediately applicable.

00:54:03 Linda Koval: Agreed, Ethan! It would've been faster and easier.

00:55:32 Cindy Bryant: "There is no decision a teacher makes that has a greater impact on students' opportunities to learn and on their perceptions about what mathematics is than the selection or creation of the tasks with which they engage students in studying mathematics (Lappan and Briars, 1995)."

00:55:41 Aya Zvaigzne: UbD

00:55:52 Michael Welch: how to do that in a school where I am the only math teacher?

00:56:02 Chonda Long: <https://www.nctm.org/PtA/>

00:56:11 Aya Zvaigzne: Understanding by Design (UdB)

00:56:55 Ethan Weker: @Michael - reach out to other small schools? Or through social media (Twitter, etc.) - I'm in a dept of 3 and have found it incredibly helpful.

00:57:42 Aya Zvaigzne: @Michael Welch I am sorry you have no immediate colleagues, but I hope you can find some in your district that are open to developing communication and sharing resources. kindest regards to you. If that is not working (I have been in isolation before) is to trawl the nets.

00:58:29 Cindy Bryant: We've come a loooong way...

01:00:09 Trena Wilkerson: Michael—Consider reaching out on MyNCTM. There are great people there to build community with around this area.

01:00:10 Chonda Long:

<https://www.nctm.org/Store/Products/Taking-Action--Implementing-Effective-Mathematics-Teaching-Practices-in-Grades-9-12/>

01:00:40 Carol Matsumoto: Yay Melissa!

01:00:56 Aya Zvaigzne: Student thinking mean that I have given them the vocabulary that they use and understand to communicate with me. This is challenging in a virtual environment when very many of my students are wida 1 or wida 2. It is possible but challenging. It was so much easier and actually successful in person, in live teaching in the classroom.

01:01:23 Michael Welch: Thanks for the suggestions!

01:01:39 Rogelio Lapulapu: very commendable

01:01:45 Aya Zvaigzne: The graphing stories task is one of my favorites.

01:02:00 Ruby Maghirang: d is exponential decay

01:02:09 Aya Zvaigzne: It promotes great discussion (or it did when we were all together).

01:03:07 Alex Freuman: I'd ask her to take over the teaching!

01:03:34 Rachell Scott: Explain her thinking

01:03:44 Comlavi Djondo: A: How many candle burn in zero hour?

01:04:35 Cary Mallon: what are the other step functions besides mail and taxes

01:05:27 W Gary Martin: Nice examples of student work!

01:06:04 Michael Chrzan: @Cary bank accounts with interest gained

01:06:06 William Driscoll: great examples of problems and kids'

responses

01:06:16 Aya Zvaigzne: @cary malton I think I remember some other examples on either Mars or one of the other big websites for people selling produce (watermelons or such). You had to see and take deliveries. The students had to make that into a graph.

01:06:45 Cary Mallon: thanks

01:07:25 ROSALIE MACASPAC: Thanks this is so interesting

01:07:35 Aya Zvaigzne: Prior learning is one of the biggest challenges for our math students.

01:08:03 Rogelio Lapulapu: mind set first...

01:08:16 Aya Zvaigzne: It requires a lot of time for scaffolding and supports provided in a virtual environment (asynchronous).

01:10:11 Jorge Veloso: I'm loving today's session, refreshing a lot of concepts...

01:10:37 Rachell Scott: Especially real concepts.

01:10:47 Aya Zvaigzne: plus one @Jorge ... this session is a platinum standard

01:12:20 Aya Zvaigzne: Many or most of our students are refusing to actually take the tests.

01:12:30 Ethan Weker: I was in a charter school years ago where we had mandated test prep all year long. I lasted one year.

01:12:36 Cherish Alberts: This has really made me think about making changes to how I assess. Thank you so much!

01:13:06 Aya Zvaigzne: They bubble in Christmas trees and hit the buttons in 60 seconds. They are refusing the tests.

01:14:08 Aya Zvaigzne: I do my best to assess my students on an ongoing basis. The standardized ones they are required are not very useful if my students refuse to participate.

01:14:21 Cherish Alberts: Yay! Great resources!

01:14:34 Linda Koval: Now that we are going virtually, I am thinking assessing differently. One of the reasons is to deter students from cheating, but I think now it may be a good thing to do performance assessment.

01:15:08 Aya Zvaigzne: The goals and focus of assessments in this seminar are golden information.

01:16:30 Trena Wilkerson: So many great ideas and resources for assessment. Thank you Diane for reminding us of the importance of assessment! This goes well with several of the sessions from the NCTM 100 days of Professional Learning that offer additional examples and considerations for assessment. Thank you again Diane! I loved the historical background as well.

01:17:01 Cary Mallon: Evaluate what you value!

01:17:24 Yvonne Holloman: Thank you for sharing the great resources!

01:17:31 Kathleen Kustura: thank you

01:17:33 Aya Zvaigzne: Brilliant seminar.

01:17:35 Winnica McLean: Thank you so much

01:17:36 lee hanby: thank you

01:17:36 Elizabeth Sawyer: Thank you!

01:17:36 Barbara Post: Thank yui

01:17:37 Gloria Flores: Thank you

01:17:37 Cindy Bryant: Promote and not undermine high levels of mathematics learning by each and every student. Great presentation Diane! Thank you!

01:17:42 Linda Koval: Thank you so much, Miss Diane!
01:17:43 Georgina Coffin: Thank you!!
01:17:43 Angelina Gutierrez: Thank you SO much!!
01:17:46 Tami Nelson: thank you
01:17:46 Ethan Weker: Thanks so much!
01:17:48 Melonie Smith: Thank you
01:17:49 Michael Welch: Really great presentation
01:17:49 Justin Klinger: Thank you. Very helpful
01:17:51 NITIN MALVIYA: thank you Ma'am
01:17:52 Patricia Dominguez: Thank you for such a great webinar
01:17:53 Andr ea Chew: Thank you so much!
01:17:53 Cary Mallon: thanks
01:17:53 Kathleen Morris: Thank you, Diane! It's always a pleasure to
hear from you!!
01:17:55 aurora gonzales: thank you yo so much
01:17:55 Tanya Landry: Thank you!
01:17:55 Tameillia Cain: Thank you!
01:17:57 Sharon Black-MacKinnon: Thank you for all the reminders! Very
inspiring.
01:17:58 Rachell Scott: Thank you so much for your wonderful information.
01:17:59 Carol Matsumoto: Thanks Diane!
01:18:00 Deborah Alexander: thank you
01:18:01 Peter Waswil: Thank you!
01:18:05 Jet Yeung: Thank you for information on assessment.
01:18:06 Lisa Aldous: Thank you!
01:18:08 Mary France Imperial: Thank you so much. Another great session!
01:18:08 Stephenia Courtney: TY!
01:18:10 W Gary Martin: Very thorough discussion of issues in assessment,
very thought provoking!
01:18:11 Linda Koval: Thank you NCTM for another wonderful webinar!
01:18:12 Monica Weese: Thank you.
01:18:16 Rachell Scott: Thank you!!
01:18:18 Rogelio Lapulapu: Great presentation ! Thanks a lot Diane.
01:18:24 Rita Shamrock: Thank you for all the good ideas
01:18:34 Betty Stallings: Great Webinar
01:18:48 Donna Misciagna: Thank you!
01:18:55 Alex Freuman: This was a truly helpful presentation. Thanks for
sharing this.
01:18:57 Chonda Long: <https://www.nctm.org/PtA/>
01:19:11 Chonda Long:
<https://www.nctm.org/Store/Products/Taking-Action--Implementing-Effective-Mathematics-Teaching-Practices-in-K-Grade-5/>
01:19:11 Honey Sacro Swem: Thank you, Diane, for shedding light on
what, why, and how of purposeful assessments.
01:19:16 Mary Lynn Raith: Great presentation!
01:19:19 Jennifer Toler: Thank you so much! This was very helpful!
01:19:24 Chonda Long:
<https://www.nctm.org/Store/Products/Taking-Action--Implementing-Effective-Mathematics-Teaching-Practices-in-Grades-6-8/>
01:19:26 Wisnu Siwi Satiti: Thank you so much Diane! Great presentation!

Many great resources, and useful way in order to conduct effective assessment.
Thank you!

01:19:30 Trena Wilkerson: Love Taking action series!

01:19:42 Rachell Scott: Very informative presentation.

01:19:46 Chonda Long:

<https://www.nctm.org/Store/Products/A-Fresh-Look-at-Formative-Assessment-in-Mathematics-Teaching/>

01:19:55 Daniel Irving: Thank you for this incredibly informative presentation!

01:20:00 Chonda Long:

<https://www.nctm.org/Store/Products/The-Formative-Five--Everyday-Assessment-Techniques-for-Every-Math-Classroom,-Grades-K-8/>

01:20:30 Chonda Long: <https://www.nctm.org/virtual2020/>

01:20:33 Trena Wilkerson: More great resources to support assessment at www.nctm.org/backtoschool too!

01:20:54 Wisnu Siwi Satiti: Thank you everyone!

01:21:36 Cheryl Ann Doyle E Barran: Thank you very informative

01:21:43 MIKE GENUEL SALAZAR: Thank you

01:21:45 Delphine Stallworth: Thank you Great Job