

00:20:19 Cindy Bryant: Hello from Springfield, MO. Please change your chat setting to all panelists and attendees so everyone can see your posts!

00:20:36 Jennifer Cronin: Hello from Hanson, MA

00:20:37 Jorge Veloso: Hi from Angola.

00:20:39 James Hensley: Church Hill, TN

00:20:41 Dawn James: Greetings from Tennessee!

00:20:41 ashlie gutierrez: I am from Houston, TX!

00:20:44 rachel wingo: Hello from Kentucky

00:20:45 Marybeth Nichols: Cape Cod, MA

00:20:45 Fran Huntoon: Richmond, VT

00:20:45 Michael Lanstrum: Hello from Cleveland, OH

00:20:47 Emily Kavanagh: Hello from Columbia, MD

00:20:48 Jeannine Lavigne: Hi from Maine

00:20:50 Carol Matsumoto: Hi from Winnipeg

00:20:50 LATONYA MCGRUDER: Canton, GA

00:20:51 roya basu: Hi from NJ

00:20:52 Trena Wilkerson: Hello from Waco, TX!

00:20:54 Marisa Santos: Good evening from La Plata, MD!

00:20:54 Cathy Hutchins: Phoenix, AZ

00:20:54 Tamara Shand: Hi from Vancouver, BC

00:20:55 Jamie Rossi: Peekskill, NY

00:20:57 Marissa Day: hi from Seattle

00:20:57 Monica Parraga: Hello from New York

00:20:58 dana dulzo: hello from dana novi mi

00:20:58 Sharon Black: Good evening from New Brunswick Canada:-)

00:21:03 April Flanders-Lee: from Washington up by the Canadian border

00:21:04 Kathleen McFadden: Hi everyone, NYC

00:21:05 Quianna Watkins: Hello from Decatur, GA

00:21:05 Ayunda Sri Wahyuningrum: Hello from Indonesia

00:21:06 India Puch: India from Columbia SC

00:21:08 Ann Swierzbin: Hello from Chelmsford MA

00:21:08 Ramona Hall: Hi from Charlotte, NC

00:21:08 Kelli Chambers: good evening from Murfreesboro TN

00:21:09 Denise Beavers: Hello from Tennessee.

00:21:11 Alyshia Andersen: dayton texas

00:21:13 Denise Griffiths: Greetings from Denise Griffiths in Wilmington, DE!

00:21:13 Tracy Slack: Danville, Indiana

00:21:14 Dornisha Shead: Houston

00:21:14 Alicia Sotello: San Antonio, TX

00:21:15 Dalila Rivera: Hello from Kingsville, Tx

00:21:15 Bonnie Angel: Hello from North Georgia

00:21:15 Roberta Rotolo: Hello from Dallas TX

00:21:15 John Sasko: Hello from Mt Vernon NY (I support Bronx schools)

00:21:19 Tamikia Greene: Hello from Houston, TX :))

00:21:21 Patty Juniper: Frisco, TX

00:21:22 Loni Jirik: Alaska

00:21:23 Delores Rushing: Hello Everyone! checking in from Washington, DC

00:21:23 Joanne Blake: Hello from Minnesota

00:21:23 LANY JAMERO: good morning from philippines
00:21:24 Michelle Shirtcliff: Hi from Burbank, CA
00:21:25 Mark Fili: Hello from Queens, New York City
00:21:25 Dawn Ciancaglini: Hello everyone!
00:21:25 Angela Wilson: Good Afternoon everyone from Angie in Arizona
00:21:25 Lakeisha Jones: Hello from Denton, TX
00:21:25 Emily Duncan: Denver, Colorado!
00:21:27 Andrea Chew: Hello from Spotsylvania, VA
00:21:28 Olga Kosheleva: Hello from El Paso, TX
00:21:29 Kelly Kuster: Hello from Frenchtown, NJ
00:21:29 Claudette S: Hello from Brooklyn, NY
00:21:29 Nell Thurlow: Hello from Lafayette LA
00:21:30 Rosanna Heard: Hello from TN!
00:21:34 LaDonna Schwab: hello from Texas
00:21:35 Charleta White-Fletcher: Hello from Rocky Mount NC
00:21:35 Melissa Campbell: Hello from Melissa in Fort Payne, Alabama
00:21:36 Melissa Cole: Hello from West Virginia
00:21:37 Ashley Browb: Hello hello from Pensacola, FL!
00:21:37 Phyllis Poston: Hello from Tennessee!
00:21:37 Brittany: Hi from Yorktown, VA :)
00:21:38 Charese Chambers: Hello from Nashville, TN
00:21:40 Lesly Brown: Hello from East Tennessee! Lesly Brown.
00:21:40 Rhonda Rampley: Hello from NC
00:21:41 Erin McWilliams: Hi from Midland, TX!
00:21:43 Ines Barcenas: Hello from Denver, CO
00:21:45 Desiree Merritt: Hello from Maine
00:21:45 Dawn Ciancaglini: Hello from Annapolis, Maryland!
00:21:45 Leigh Stuart: Hello from VA
00:21:46 Jolene Bresson: Good Evening from Rochelle, IL!
00:21:51 Julie Katingima: Hi from Casa Grande, AZ
00:21:51 Laurie James: Aloha from Oahu
00:21:52 Jamie Hall: Howdy from Forney, Texas!
00:21:52 Allison Keever: Hello from the mountains of North Carolina!
00:21:54 Andrea Rochman: Andrea Rochman - Nj
00:21:54 Lorie Huff: Hello from Fayetteville, Arkansas
00:21:57 Amy Smith: Hello, Amy Smith from Dallas, Texas

00:21:57 Delphine Stallworth: Hello from Stockton, California
00:21:58 Jennifer Smith: Hi from Maryland
00:21:59 Kelli Freiwald: hello from PA
00:22:02 Ann Wycoff Bagshaw: Hello from Fort Carson, Colorado
00:22:03 Linda Baker: Indiana!
00:22:04 Lanelda Todd: From Wichita, KS
00:22:04 Kelly Pezoulas: Ottawa, Ontario, Canada
00:22:06 Carrie Dickinson: Houston, Texas
00:22:06 Nancy Downey: Hello from Sarasota, FL
00:22:06 Hannah Rooney: Hi from Worcester, MA
00:22:06 Kimberly McDaniel: Hello from Melissa, TX
00:22:06 Stacie Kyhn: Apache Junction AZ!
00:22:06 Kathy Seguin: Kathy Seguin - Warren, Michigan

00:22:06 Tanya Landry: HI from Baton Rouge, LA!
00:22:07 Rhonda Perkins: Hello Hampton, Virginia
00:22:07 Donna Biddulph: Hi from Central New Jersey!
00:22:08 Vicky North: Hi from Everett, WA\
00:22:09 Rocio Gomez: Montebello, California
00:22:09 Rodney Cooper: Greetings from Killeen Texas
00:22:10 Jennifer Gibson: Hello from Illinois
00:22:11 Lou Darcera: Hi from Waldorf, Maryland!
00:22:12 Melissa Hoffman: Flemington NJ
00:22:13 Mark Phipps: Hey from Mesa, Arizona
00:22:14 Craig Kiecker: Hello from Phoenix, AZ
00:22:15 Kim Evavold-Bolf: Hi from Duluth, MN
00:22:15 Dave Hankin: Hello again from Globe, AZ via Philly
00:22:16 zaynab Abdullah Muhammad: Hello, I am from Trinidad and
Tobago, an island in there Caribbean.
00:22:16 Darwin Best: Hello from Fredericksburg, VA.
00:22:17 Terry Theisen: Terry from Wisconsin
00:22:17 Konnie Guthrie: Greetings from Las Vegas, NV
00:22:17 Mary Beth Kilnoski: Hello from Nebraska
00:22:18 Lisa Aldous: Hello from Arnold, Maryland
00:22:19 Vicki Bullock: Vicki Bullock from Washington, DC
00:22:20 Katherine Garcia: hello from Virginia
00:22:23 Ma.Cecilia Cueva: Good morning from Philippines..
00:22:23 Heidi Anderson: Hello from sunny Ellensburg, Washington State
00:22:24 Margot Gerber: Hello from Loveland, CO
00:22:24 Ronald Lubatti: Lebanon. Maine
00:22:25 Leticia Chapa: A BIG hello from San Antonio, Texas
00:22:25 Daniel Irving: Hello from North Providence, RI!
00:22:26 Katelyn Devine: Hey from Richmond, VA
00:22:27 Sherral Hartung: Hello, from Seattle.
00:22:28 Catherine Livesay: Hello from Tennessee.
00:22:29 Delores Rushing: So good to see your beautiful smile tonight
Chonda!
00:22:30 James Six-Fronek: Hello from Appleton, WI1
00:22:31 Debra Cash: Hello from Troy, OH
00:22:33 Aura Rodriguez: Hello from Montebello Unified, Aura
00:22:35 Kelly Sotsky: Hello from Massachusetts (but visiting New Jersey!)
00:22:37 Kathy Felt: Hi from Illinois!
00:22:40 Mary Ann Bulalacao: Good morning everyone! I'm from the
Philippines
00:22:40 Marie Molloy: Hello from North Carolina
00:22:42 Nora Marasigan: Hello from Philippines
00:22:47 peter zirnis: Hi from Ontario
00:22:47 Julie Vanderlugt: Ontario Canada
00:22:47 Emily Graff: Hello! Cleveland, OH
00:22:48 Jeff Shih: hi from las vegas!
00:22:55 Joan Albers: Hello from Ohio!
00:22:55 Chonda Long: Hello everyone!
00:22:58 tracey simmons: Good evening from Jamaica, NY
00:22:58 Lenora McGrath: Lexington, KY

00:23:00 Patrice Kennedy: Hi from Pennsylvania
00:23:00 Alicia Scott: Hi from San Antonio, Texas
00:23:01 J Fouladi: Hello from Cali
00:23:04 Laurie Burckhardt: Hello from Phoenix, AZ
00:23:06 Anh Le: Good afternoon from San Leandro, CA :-)
00:23:07 LARITA MITCHELL: Hi from Memphis, TN
00:23:08 Todd Smallcanyon: Southern Utah
00:23:09 Alton Green: Charlotte NC in the house!
00:23:10 Wendy McGrael: Hello from Manassas from VA
00:23:15 Beth Nalker: Hi from Arlington, VA
00:23:15 Jacqui Greene: Arlington, VA
00:23:16 Alexis Willey: hello from Summersville,WV
00:23:19 Jenni Yingling: Hi from Illinois
00:23:22 Larisa Whitaker: Larisa WHitaker from iami, FL, USA
00:23:25 Rhonda Brewster: Ontario, Canada
00:23:26 Kim Ward: Hello, from Dublin, GA!!
00:23:27 Ruqayah Zuhair: Hi from Fairfax VA,
00:23:29 Julie Mainwaring: Hello from Portland, Oregon
00:23:31 Cristal Martinez: SA, TX
00:23:32 Erica Talbot: Hi From Athol, Ma
00:23:32 Dominique Dawkins: Hello from Houston, Texas
00:23:35 Vangela Eleazer: Hello from NC!
00:23:36 Nely Ara-is: Hi from Norfolk, VA
00:23:38 Maria Oviedo: Good evening from San Anttonio, TX!
00:23:40 Wendy Iacobucci: Hello from Eastlake, Ohio
00:23:44 Valerie Vanderport: hello from Everett, WA
00:23:46 Allison Miller: Hi from West Virginia!
00:23:48 Nicolette Nalu: Hello from a proud member of NCTM, ACTM, and
president of AMTEA in ALABAMA!!!
00:23:55 Beverly Anderson: hello from Iowa
00:23:55 Rita Ballew: Good Evening from Pryor, Oklahoma!
00:24:07 Arlene Bachinela: Hello from Baltimore, MD
00:24:20 Kendra Heffelbower: Hello from DC!
00:24:25 Cindy Bryant: Please change your chat setting to all panelists and
attendees so everyone can see your posts!
00:24:48 Ben Sinwell: Greetings from Anderson, SC. Happy Monday!!!
00:24:55 Lance Brauchla: Hello from Ege, IN
00:24:57 Jet Yeung: Hello Everyone--Jet from Henderson, Nevada
00:25:05 Fahima Belaid: Hello from Alexandria, Va
00:25:05 Genesis Docena: Hello from Washington DC
00:25:06 Rachelle Broggin: Hello from Harrisburg, PA
00:25:10 peter zirnis: 54750 people waiting to hear from Ibram X Kendi on
"How to be an Antiracist" at 7pm tonight also on YOUTube
00:25:23 Lianfang Lu: Hello from Little Rock AR!
00:25:25 Ana Guerrero: Hello from IL
00:25:32 Susan Weiss: Hello from Brookline, MA
00:25:49 Melonie Smith: Hello from Chicago
00:25:54 Cathleen Taylor: Hello from MS!
00:25:56 Lina Young: Hello from San Jose CA
00:25:59 Catherine Abbott: Math-astic!

00:26:04 Nitin Malviya: Hello from India
00:26:05 Ava Sawin: Hello, from Salley, SC.
00:26:23 Kerry Lindo: Kerry from Kingston, Jamaica
00:26:23 Maria Ross: your volume is low
00:26:27 Angelita Beltran: Hello from Illinois
00:26:34 Cindy Bryant: Cute!
00:26:38 Fahima Belaid: Hello from Alexandria, Va
00:26:39 Rob Matyska: Greetings from the bootheel of Missouri!
00:26:40 Amy Johnson: I love showing memes and comics to my kids! In fact,
I showed both of these to my fourth graders this year. Haha
00:27:02 Catherine Livesay: Where did you get the comics?
00:27:10 LA VERNE MITCHELL: Hello from NYC
00:27:14 Meghann Piwko: andertoons.com
00:27:23 Catherine Abbott: I have seen adults run away from fractions.
00:27:32 Catherine Livesay: thank you
00:27:38 Larisa Whitaker: great topic
00:27:40 Maria Woehl: Hello from San Diego, CA!
00:27:43 Rachelle Broggin: thank you Jen!!!
00:27:45 Amy Johnson: @Catherine Google haha
00:28:03 Lynne Mroz: and the groans from my team.... "jumping into our
fraction unit"
00:28:04 Rachelle Broggin: I was hesitant to sign up for webinar,
fractions make me nervous.
00:28:13 Lori Fendel: Hello from Indiana
00:28:22 Debra Cowan: he[[o from Mastic Beach , NY
00:28:38 Payal Arora: Hello from DC
00:28:39 Trena Wilkerson: @Rachelle This will be a great session on
fractions. Thanks for being brave!
00:28:51 Rachelle Broggin: Thanks Trena!!!
00:28:57 Beth Kobett: Hello from Maryland!
00:29:00 Cindy Bryant: Rachelle, I'm so glad you did sign up for this
session! :-)
00:29:05 Rachelle Broggin: Will we have a handout!!!
00:29:09 Rachelle Broggin: Me too Cindy!!!
00:29:40 ashlie gutierrez: I'm an 8th grade teacher! That is why I
joined!
00:30:09 Ben Sinwell: The presentation will be posted to the website
tomorrow.
00:30:19 Jennifer Cronin: Thanks Ben!
00:30:25 Donald Wahlers: 5 out 4 adults struggle with fractions
00:30:34 Rocio Gomez: lol
00:30:41 Kerry Lindo: lol
00:30:43 Maria Woehl: funny!!
00:30:44 Rachelle Broggin: Would she be able to have a colleague
present on how fractions are done in lower grades??
00:31:03 April Flanders-Lee: LOL what an improper joke
00:31:11 Catherine Abbott: To explain math gaps, I use a Jenga Tower as
an example.
00:31:16 ashlie gutierrez: Yes, reducing slope is my eight graders
biggest struggle.

00:31:57 Beth Kobett: That nice guy is probably on this webinar. :)

00:32:02 Nicolette Nalu: Skip is fabulous!!!

00:32:46 Cindy Bryant: HaHa Beth!

00:33:08 Delores Rushing: I agree Jennifer. Math conferences are great!

00:33:09 Sharon Black: Would it be possible to have those links put in the chat?

00:33:11 Beth Kobett: @Cindy!

00:33:27 Nicolette Nalu: HI Beth!!!! :) I was talking up your Strengths-Based Teaching and Learning book all day today at my Instructional Coaching Virtual Conference (ICC). Even showed my breakout group the actual book that I have right next to me. :)

00:33:57 Amy Johnson: talking about math is so important! Some of the eight mathematical practices include reasoning, justifying, and argumentation

00:34:00 Marissa Day: <https://www.luzniak.com/debate-resources.html>

00:34:34 Ben Sinwell: Here are the sentence starters:
<https://www.teacherspayteachers.com/Product/Math-Sentence-Starters-Editable-4354801>

00:34:43 Chonda Long: A PDF of the Power Point will be available tomorrow with the recording.

00:34:49 Sharon Black: @ Marissa and @ Ben Thank you!

00:35:00 Victoria Campbell: Great, Thank you Chonda

00:35:07 Nicolette Nalu: @Beth, I talk about it in my every day language! Strengths-based vs. Deficit based language is a #GameChanger

00:35:23 Rachelle Broggin: What's the name of this book??

00:35:28 Beth Kobett: YAY! @Nic! Love it!

00:35:32 Emily Kavanagh: #mathdebate love it

00:35:33 Rachelle Broggin: @Beth

00:35:49 Dave Hankin: Thank you for posting the links here!

00:35:51 Trish Anderson: We have math fights in my 3rd grade class

00:36:07 Kathy Monk: thanks for the links

00:36:13 Trish Anderson: kids love defending their thoughts and trying to win students to their side

00:36:22 Cindy Bryant: Math fights? Tell us more.

00:36:38 Kendra Heffelbower: Love the idea of "math fights"!

00:36:54 Nicolette Nalu: I love when John San Giovanni talks about productive struggle! The difference in productive struggle versus just plain old struggle and giving up.

00:36:59 Jeff Shih: @Rachelle
<https://www.nctm.org/Store/Products/Strengths-Based-Teaching-and-Learning-in-Mathematics--5-Teaching-Turnarounds-for-Grades-K-6/>

00:37:02 Beth Kobett: @Rochelle
<https://www.nctm.org/Store/Products/Strengths-Based-Teaching-and-Learning-in-Mathematics--5-Teaching-Turnarounds-for-Grades-K-6/>

00:37:03 Catherine Abbott: Middle School.....teaching students to agree and disagree "respectfully" is huge.

00:37:05 Trish Anderson: I give a problem and give two possible solutions. The kids go to either side of the room for the solution they think is correct. Then they have to defend their thinking and try to win students to their side.

00:37:11 Beth Kobett: Thanks @Jeff!

00:37:29 Melissa Campbell: @Nic-You know John's discussion @struggle is

my thing!!!LOL

00:37:30 Cindy Bryant: Thanks @Trish

00:37:35 Trish Anderson: Students who are completely unsure can go to the middle and listen to arguments until they are convinced to go to one side or the other.

00:37:48 Nicolette Nalu: Yes, Melissa! I love it!

00:37:55 Rachelle Broggin: Thank you Jeff and Beth!!!

00:37:58 Cindy Bryant: Love being able to go to the middle.

00:38:04 Amy Johnson: This could easily be connected to conjectures and counterexamples as well! Love this idea of a math debate.

00:38:42 Trish Anderson: We also do four corners - same concept but give for possible answers and have students go to the corner that they think is the right answer

00:38:58 Cindy Bryant: I love four corners!!!

00:39:01 Trish Anderson: four possible answers

00:39:05 Catherine Abbott: ???Do you tell the students how many correct answers there are??? Or let them find the three answers???

00:39:11 Nicolette Nalu: @Melissa, you know I also like talking about the difference between equal and equivalent. :) Directions on this sheet. :)

00:39:31 Amy Johnson: I feel you can also do this without giving students answer choices as well!

00:39:34 Melissa Campbell: Thanks, Nic'

00:40:11 Cindy Bryant: Agree @Amy.

00:40:20 Rachelle Broggin: Love the sentence starters because kids always have something to say!!! LOL!!!

00:40:23 Trish Anderson: My kids love which one doesn't belong

00:40:24 Nicolette Nalu: I like #MathDebate and WODB! Those are fabulous!

00:40:25 Amy Johnson: This is my favorite activity. I try to do at least three a week!

00:40:27 Darvin Best: I love wodb!!!

00:40:27 Vangela Eleazer: Love "Which one doesn't belong!"

00:40:30 Emily Kavanagh: I provide boxes for my students to show work in

00:40:32 Debbie Meaney: Is the CC turned on?

00:40:33 Rosalind Brown: We can't see the link

00:40:36 Ben Sinwell: `wodb.ca/shapes.html

00:40:56 Nicolette Nalu: <http://wodb.ca/shapes.html>

00:40:57 Ben Sinwell: <http://wodb.ca/>

00:41:01 Lianfang Lu: Thanks for the links - great

00:41:12 Amy Johnson: This is also a safe space to do a math debate because there is not necessarily one right answer with WODB

00:41:14 Cheryl Cuddihy: We use them as part of number talks to kick off our Math Workshop (K-5)

00:42:39 Catherine Abbott: Thank you... students should not use short cuts unless they can explain why the short cut work.

00:43:05 Amy Johnson: That is not old school at all! That is so important!

00:43:47 Catherine Abbott: Great way to remember....Exploration leads to "Aha!"

00:44:04 Delores Rushing: I am too Jennifer. Manipulatives are good to introduce concepts

00:44:04 Heather Beck: Manipulatives will be a challenge this year with

on-line learning as well as when we are face to face again.

00:44:15 German Moreno: my favorite "no" is a great teacher move
00:44:16 Catherine Abbott: Multiple paths.....huge!
00:44:27 Amy Johnson: @heather I agree. I am curious if she will share
some virtual manipulative with us!
00:44:27 Patrice Kennedy: Love my favorite "no"!
00:44:41 Catherine Abbott: Can we ask our students to find
manipulatives in their home?
00:44:55 Larisa Whitaker: instead of manipulatives we will use
computer animations
00:44:56 De Zhang: These online goodies are really good. Thanks for
sharing.
00:45:16 Rachelle Broggin: classpad.net
00:45:18 Catherine Abbott: Unfortunately, ClassPad.net does not let
students to collaborate on the same document.
00:45:20 Ben Sinwell: www.brainingcamp.com Click REDEEM Code: WILSON20
00:45:32 Nicolette Nalu: yes! love Desmos too!
00:45:32 Emily Kavanagh: I love the idea of virtual manipulatives
00:45:35 Amy Johnson: This is great! Thank you!!
00:45:56 Emily Kavanagh: My school system is online through first semester
00:45:58 Jacqui Greene: Starting all virtual in Arlington, VA
00:46:14 Jennifer Cronin: Waiting to here in MA
00:46:16 Sheryl Rivera: Braining Camp's virtual manipulative is a great tool
00:46:35 Catherine Abbott: You can do something similar with other
Graphing Calculator (Desmos, GeoGebra, et. al.) and Snipping Tool with Google Docs
or Google Slides as the landing space for the work.
00:46:37 Ben Sinwell: We just punted the start of school at my district in
SC 3 more weeks to August 31st...could be virtual or f2f
00:46:39 Erica Talbot: thank you for the virtual manipulatives
00:46:51 Tracy Slack: Virtual manipulatives will be great this year!
00:47:42 Catherine Abbott: I like the idea of ClassPad.net. However, I
do not like that students cannot work on the same document.
00:48:07 Michelle Ruhl:
http://www.glencoe.com/sites/common_assets/mathematics/ebook_assets/vmf/VMF-Interface.html
We used these in the spring for digital learning.
00:48:40 Catherine Abbott: Google Docs has a very easy to use Equation
Editor these days.
00:48:52 Larisa Whitaker: Thanks to everybody for sharing !
00:48:59 Nicolette Nalu: yes! Equatio
00:49:46 Rachelle Broggin:
Another great resource for parents is photomath app
00:49:48 Rachelle Broggin: <https://www.photomath.net/en/>
00:49:49 Catherine Abbott: @Nicolette.....No Google Docs has the
Equation Editor built in without adding an Extension.
00:50:11 Steven Jarowski: I have used classpad. it has been exactly
what I wanted needed for online instruction and asynchronous teaching.
00:50:13 Jolene Bresson: NCTM did a webinar earlier this month on Classpad.
Check it out by going back to the NCTM 100 days
00:50:19 Nicolette Nalu: oh, nice!! I'll have to check it out! Thank
you!!!

00:50:22 Mark Fili: The www.glencoe... link opens to blank screen (???)

00:50:46 Emily Graff: Claspd seems a lot like Google Jamboard

00:50:49 Rita Ballew: Mark, update flash

00:51:04 Ben Sinwell: These NCTM fractions manipulatives as well (need flash)

<https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Equivalent-Fractions/>

00:51:18 Laura Oyhenart: Also check Didax and Math Learning Center for great free manipulatives/apps

00:51:39 German Moreno: <https://toytheater.com/category/teacher-tools/virtual-manipulatives/>

00:51:41 Nicolette Nalu: I love my folding number line!

00:51:43 Cindy Hallman: Great tip on the use of popsicle sticks for multiples into fractions!

00:51:43 Amy Johnson: Math learning center is wonderful!

00:52:11 Catherine Abbott: Can someone put her directions for redeeming at these cool sites?

00:52:14 Mark Phipps: Are the NCTM flash activities going to be updated for not flash times?

00:52:18 Delores Rushing: Amen Jennifer! You're speaking my language. I've had lots of success teaching fractions with manipulatives.

00:52:35 Laura Oyhenart: <https://www.didax.com/math/virtual-manipulatives.html> These are GREAT!

00:52:36 Ashley Browb: She said click REDEEM AND use code WILSON20

00:52:52 Emily Graff: First bullet 2x more

00:53:05 Emily Graff: 3x

00:53:21 Amy Johnson: @Laura Those are great! Are the virtual ones all free?

00:53:39 Melissa Hoffman: The Cuisenaire rods on Brainiaccamp work well for fractions too. You can change which rod is the whole.

00:54:20 Rachelle Broggin: Kids could use those sticks at home when help is needed for homework

00:54:29 India Puch: That is a great way to show the fractions

00:55:09 Chonda Long: Yes, the session is being recorded and the recording will be available tomorrow

00:55:17 Catherine Abbott: YAY! I have "redeemed" the coupon on BrainiacCamp.com!

00:55:20 Tracy Slack: I have used cuisenaire rods for fractions as well. But most students don't have these at home so popsicle sticks would be great.

00:55:44 Debbie Meaney: I Just signed up on brainiaccamp. Thanks.

00:55:46 Amy Johnson: So open-ended! I love it!

00:55:59 Emily Kavanagh: These are great examples

00:56:04 Chonda Long: Please change from All Panelists to All Panelists and Attendees so everyone can see what you are typing

00:56:17 Laura Oyhenart: @Amy Yes they are free and you can find instructions, activities, and directions for embedding them in your learning platforms for kids to use!

00:56:31 Melissa Hoffman: try the Cuisenaire rods on Brainiaccamp. Your students can use it with the code she gave.

00:56:42 Catherine Abbott: Most students do not have popsicle sticks at

home. Though more will have popsicle sticks rather than Cuisinaire Rods

00:57:05 Alana Roberts: Great questions to pose with students.

00:57:21 Catherine Abbott: My students would say $\frac{5}{8}$'s of a mile because John had to leave early.

00:57:36 Trish Freier: Number talks!

00:57:40 Amy Johnson: inquiry!

00:57:47 Sheila Powell: I love these examples!

00:57:51 Cathy Hutchins: Great problems for students to work through. Love some multiple solutions.

00:57:55 Rachelle Broggin: Almost let them struggle a little then discuss!!! Love this!!!

00:57:58 Alana Roberts: Best way to teach

00:57:59 John Sasko: There's nothing IMPROPER about it! Remember - algebra does not use mixed numbers.

00:58:05 Patricia Schulz: how about paper fractions?

00:58:17 Joan Albers: I do the question first every day! Then we discuss answers and ways to solve.

00:58:24 Heather Beck: experience before label

00:58:43 Rosalind Brown: we taught them to say a fraction larger than one

00:58:55 Catherine Abbott: @John....I agree. What is a better word for a fraction larger than one instead of "improper"?

00:59:07 Kendra Heffelbower: rational numbers

00:59:18 John Sasko: See Rosalingd - just above. Fraction greater than 1.

00:59:26 Erica Talbot: they do forget they are learning when they are having fun.

00:59:46 Emily Kavanagh: I just redeemed the code also. Cannot wait to use virtual manipulatives with my students.

01:00:16 Ashley Starkey: what was the book?

01:00:31 Carol Kuchta: What was the name of that book?

01:00:52 Sharon Black: Casio Ed Workbook Series

01:00:54 Trish Anderson: FX-55 Plus Book

01:00:59 Melissa Hoffman: we call them top-heavy fractions

01:01:16 Amy Johnson: I went to a PD the other day that talked about how important it was that we don't only use circles to talk about fractions. Bar models and rectangles are very important, especially in younger grades!

01:01:42 Elizabeth Wallace: Rectangles are so much easier to divide than circles.

01:01:52 Amy Johnson: And students can connect the fractional parts of a rectangle to a number line!

01:01:53 John Sasko: Beyond pizzas and pies -- yes - get away from always using circle models

01:02:07 Jennifer Cronin: Yes—even I have trouble dividing up circles

01:02:11 Misty Newton: We love to use "candy bars"

01:02:12 Trish Freier: John great book!

01:02:12 Charleta White-Fletcher: Maryland has Ledo's Pizzas which are easier

01:02:14 Nona Baker: Use graph paper to create the pizza.

01:02:17 Tamara Dixon: Partitioning rectangles vertically is also a great way to connect to number lines.

01:02:29 Catherine Abbott: How about "Can you find another way to solve

that problem?"

01:02:31 Jennifer Cronin: We divide up lots of pans of brownies and pans of lasagna!

01:02:32 Larisa Whitaker: Cool ! I will do it :)

01:02:35 Laura Oyhenart: And students are usually much more able to draw and divide congruent rectangles for comparison purposes rather than circles.

01:02:43 Ann Swierzbin: agreed change it to rectangular brownies so not always doing circles

01:02:50 Jamie Rossi: LOVE this idea

01:02:57 John Sasko: pizza in Italy is rectangular or square slices

01:03:10 Elizabeth Wallace: Mmm... Sicilian pizza

01:03:21 Amy Johnson: @John Well now I want to go to Italy! haha

01:03:32 Steven Jarowski: Charles white-fletcher they don't cut corners. :)

01:03:33 Elizabeth Wallace: Next math conference!

01:03:39 Catherine Abbott: Ledo's Pizzas are rectangles,,,because they don't cut corners.

01:03:41 John Sasko: caserta's - Providence RI

01:03:46 Cindy Bryant: I want to go to Italy too!

01:03:48 Jennifer Cronin: I like how this activity is differentiated

01:03:50 Jamie Rossi: LOVE that this can get into ordering fractions

01:03:56 Lance Brauchla: like this!

01:03:57 ANALINE BAUTISTA: cool

01:03:59 Catherine Cook: I think we say pies and pizzas because they are always sliced into parts, so is there something else that is always in parts that kids relate to?

01:04:05 Margot Gerber: Caserta's is the best!

01:04:14 Jennifer Cronin: I use cake too

01:04:26 Alyshia Andersen: candy bar

01:04:27 Cindy Bryant: PDF of presentation will be shared tomorrow!

01:04:30 Catherine Abbott:And of course there is pie.

01:04:37 Nicole Dollar: I like that game!

01:04:51 Stacey Monroe: excellent examples of games. Right now Social distancing is the issue.

01:04:54 Catherine Abbott: I LOVE this maze.

01:05:04 Debra Cowan: what about cake- round or square slices

01:05:18 Delores Rushing: This is great! Children love games!

01:05:18 Cathy Hutchins: Rather than avoiding pizzas and pies, give students a problem that includes circular objects as well as fractions that lend themselves to be challenging to represent and let them see how difficult representing the fractions can be. Ask if there's another way to represent them that may be easier.

01:05:33 Kendra Heffelbower: What about sets.

01:05:37 Catherine Abbott: I wonder if we can figure out how to do this one of the board game emulators.

01:05:42 Ben Sinwell: Caserta's!!! I grew up in Foster.

01:05:44 Vangela Eleazer: Love the versa tiles..... I use those

01:06:14 Amy Johnson: Are these similar to Tile Math? (Marcy Cook)

01:06:16 Lynne Mroz: Versatiles are awesome! Discovery Toys used to make them!

01:06:22 Catherine Abbott: I LOVE Versa Tiles.... Great for independent

or partner work. It is still a worksheet, but it makes worksheets more fun.

01:06:26 Lianfang Lu: Math by design is also good for self check

01:06:28 Sheryl Rivera: I use versa tiles during after school tutoring. My students love them.

01:06:34 Cathy Hutchins: Kendra, I agree that set models should be used as well.

01:06:40 Catherine Cook: i mean as a way to relate to fractions, because you never have a whole pizza or pie. you always have a part.. (or most of us)

01:06:48 Ann Swierzbin: Hand2Mind is the company that makes versa tiles

01:07:01 Diane Hurley-Leach: Hi Ann!

01:07:15 Kelly Kuster: I use versa tiles for many concepts and the kids like them

01:07:21 Ann Swierzbin: Hi Diane :)

01:07:36 Lynne Mroz: We always say "abra cadabra" and then flip

01:07:39 Sheryl Rivera: I also use the same versa tile patterns for application problems that I create.

01:07:45 Jamie Rossi: Wow, I have the books but no versa tiles

01:07:52 Catherine Abbott: Along with Versa Tiles, Math by Design, there is also Pizzazz books (old but still good). Again, still worksheets but self-checking and more entertaining than "drill and kill">

01:08:44 Emily Kavanagh: Great game ideas

01:08:46 Cindy Bryant: Pizzazz...omg goodness haven't heard anyone mention them in years...

01:08:57 Catherine Abbott: I love TANGRAMS for many things.

01:09:13 Catherine Cook: same love tangrams!

01:09:36 Delores Rushing: These are great!

01:09:47 Maria Jenny Duppins: ``\`

01:10:00 Cara Littlefield: I've been using these virtual pattern blocks for fractions a lot lately. <https://apps.mathlearningcenter.org/pattern-shapes/>

01:10:19 Kendra Heffelbower: I am excited to see how you use the tangrams as a fraction game.

01:11:10 Vangela Eleazer: This is also a great game, played this in my Master's program.

01:11:19 Nancy Downey: can you shade $\frac{6}{3}$?

01:11:20 Catherine Abbott: I like that students go looking for Equivalent Fractions game.

01:11:24 Jamie Rossi: Will you include a link and directions to this game?

01:11:33 Nicole Dollar: Wow! Great game!

01:11:33 Catherine Abbott: @Nancy....good question?

01:11:34 Jamie Rossi: thank you

01:11:36 georgina: awesome

01:11:36 April Flanders-Lee: thank you :)

01:11:36 Jamie Rossi: you

01:11:38 Alana Roberts: Thank you! Great ideas!

01:11:40 Julie Leporiere: This game can be played at home with families too

01:11:41 MIKE GENUEL SALAZAR: Thank you!

01:11:47 Rachelle Broggin: Bless your heart for being so kind!!!

01:11:50 Mary France Imperial: love it

01:11:51 Catherine Livesay: Thanks I think they will like the game.

01:12:08 Cynthia Tanzey: What a great game!

01:12:14 Carole Bamford:
<https://www.teacherspayteachers.com/Product/Equivalent-Fractions-Game-More-Than-Half-3111300>

01:12:16 Catherine Abbott: How can we simulate the Equivalent Fractions game for Distance Learning?

01:12:21 Amy Johnson: This is a fun virtual cuisenaire rod activity that I've used with 4th graders-
http://pbs.panda-prod.cdn.s3.amazonaws.com/media/assets/wgbh/rttt12/rttt12_int_cuisenaire/index.html

01:12:31 Nona Baker: I love to use the fraction strips on toytheater.com

01:13:02 Amy Johnson: Kids can make their own fraction dominoes! So fun

01:13:04 Emily Graff: \$9.89 on amazon!

01:13:06 Catherine Abbott: Wow....this is a Resource Rich Chat Room

01:13:09 Catherine Livesay: Can you show the dominoes?

01:13:30 Jamie Rossi: Love them!!

01:13:34 Rachelle Broggin: Yes it is Catherine. This is the most collaboration I have seen and I have been to a lot of these trainings.

01:13:57 Jennifer Stopher: I bet you could make some digital fraction dominoes in Google Drawings and then have kids play digitally in Google Slides collaboratively.

01:14:02 Jamie Rossi: Write on cubes are fun with fractions too

01:14:10 Emily Graff: Role two dice to make fractions

01:14:35 Emily Graff: First one rolled top number second rolled bottom

01:14:36 Ariel Beggs:
<https://www.k5learning.com/blog/oh-endless-math-possibilities-tangrams>

01:14:44 Catherine Abbott: I've done the cube to back fractions that they can compare.

01:14:47 Amy Johnson: @Jennifer Yes! I was thinking about trying to make the dominoes on google jamboard

01:14:55 Ana Guerrero: Great idea!

01:15:18 Catherine Livesay: You can use the Ace for one

01:15:47 Delores Rushing: Thank you Jennifer. This session was fantastic! I'm old school too and I've used many of the manipulatives and games to teach fractions to my students. They love it!

01:15:50 Angela Wilson: Thanks this has been very useful for me to think of hands on engagement for virtual activities for me to consider using this year.

01:15:55 Catherine Abbott: Be careful with traditional decks of cards. There are a few religious groups who really do not want their children to play with those cards. Just check with your kids before using deck of cards with everyone.

01:16:31 Susan Bardenhagen: "Die within a Die" dice- work real well for making fractions- roll 2 of them they can either subtract or add. Students like this better when they're creating their own fraction problems rather than a worksheet. =)

01:16:39 Rachelle Broggin: That's interesting Catherine, thanks for sharing.

01:17:16 Delores Rushing: Read the story of Tang to infuse reading into math.

01:17:18 georgina: Yes, the die within a die love those!

01:17:30 April Flanders-Lee: That is true...I remember volunteering at a church and they found a new deck of cards my brother had brought and they threw them away. We had to figure out why and thankfully we were able to grab them and just put them away. But there are some groups that really don't like them.

01:17:39 Emily Graff: @Susan love that

01:17:43 Amy Johnson: Fraction Talks are also fun!
<https://mathforlove.com/lesson/fraction-talks/>

01:17:54 Stacey Monroe: Number line great idea

01:18:03 April Flanders-Lee: ahhh love math for love)

01:18:08 Catherine Cook:
<https://stevevyborney.com/2020/02/the-12-most-popular-math-strategies-and-downloads/>

01:18:10 Noeimi Vizcarra:
<https://www.lcps.org/cms/lib/VA01000195/Centricity/Domain/5581/Think%20Dots%20Fractions.pdf>

01:18:15 Emily Graff: Great session, thank you for sharing!

01:18:15 Phyllis Tam: pattern blocks (yellow hexagons, blue rhombus, and green triangles) to explore relationships of fractions. If the hexagon is one whole, what fraction is the rhombus and triangle? But, what if the rhombus is 1 whole, what fraction is the hexagon?

01:18:18 Amy Johnson: @April Me too!!

01:18:22 Nancy Downey: I also did that where they had to find their equiv fraction buddies.

01:18:25 Ben Sinwell: Dominos from the most recent NCTM Journal:
<https://pubs.nctm.org/view/journals/mtlt/113/7/article-p551.xml>

01:18:33 Emily Graff: I love 3 act tasks very low floor high ceiling

01:18:46 Nancy Downey: LOVE Graham!!

01:18:50 Jamie Rossi: Love three act math

01:19:00 Kayla Villarreal: I always use number lines....you can learn which kids have number sense quickly.

01:19:17 Catherine Abbott: YAY....3-Act Math Problems.....MathMoment...Dan Meyer...101 Questions (101qs.com)

01:19:18 Emily Kavanagh: My students would like that

01:19:20 Claudette S: Another session filled with resources. Thank you!!

01:19:23 Kelly Kuster: I love Graham Fletcher! The kids really enjoy these as well!

01:19:32 Lindsay McCrary: So fun!!

01:19:46 Catherine Abbott: The 3-act math problems are GREAT with English-learning students.

01:19:59 Trish Freier: Graham Fletcher is awesome!

01:20:11 Ariel Beggs: <https://gfletchy.com/how-much-dew/>

01:20:12 Jamie Rossi: Love that they also come up with an answer that is too low and too high!!

01:20:15 Kelly Kuster: Thanks so much for taking time to share your expertise on Fractions! It was a great session!

01:20:27 Julie Leporiere: Seems like these could be shared in a whole class zoom meeting and than breakout rooms could discuss answers

01:20:36 Cindy Bryant: I love the Open Middle problems!

01:20:52 Patrice Kennedy: Open Middle problems are awesome!

01:20:55 Lynda Dugas: Graham Fletcher has a recently made webinar about

how to use 3 act tasks for online teaching

01:20:57 Debbie Meaney: I did this with my students. I got an email from a parent wanting the know the answer...

01:21:15 Noeimi Vizcarra:
<https://www.openmiddle.com/adding-mixed-numbers-3/>

01:21:16 Nancy Downey: same!

01:21:17 Catherine Abbott: Cool....

01:21:51 Trena Wilkerson: Recording will be available tomorrow at nctm.org/100 along with the ppt. :-)

01:21:52 Catherine Abbott: Heavens....are you allowed to laugh in math class? (tongue planted firmly in cheek)

01:21:58 Mary France Imperial: wonderful

01:22:16 Trish Freier: Lots of good ideas here! Thank you!

01:22:17 Elizabeth Wallace: Thank you.

01:22:18 susan mitzner: great thank you

01:22:19 Heather Beck: Thanks so much... loved your ideas!!

01:22:21 Trena Wilkerson: Great sesión Jennifer! Thank you for sharing so many great ideas for engaging students with fractions!

01:22:23 Carol Kuchta: Very helpful. Thank you!!!

01:22:24 Alana Roberts: THANK YOU!

01:22:25 Patrice Kennedy: Thank you so much!

01:22:26 Meghann Piwko: This was so informative. Thank you so much.

01:22:26 Lindsay McCrary: Thank you!!

01:22:27 Rachelle Broggin: You are AWESOME!!!!

01:22:28 dana dulzo: OMG, so much to play with in the classroom, hopefully they won't groan when we start fractions.

01:22:28 Catherine Livesay: Thanks. Lots of good ideas.

01:22:29 Carol Matsumoto: Thank you very much.

01:22:30 Tracy Slack: Thank you for all the ideas.

01:22:30 Laura Cranmer: Thank you it was great!

01:22:30 Dawn James: Thank you for this information.

01:22:31 Kendra Heffelbower: Thanks.

01:22:31 Lynn Clark: Thanks!

01:22:32 Sheryl Rivera: Thank you!

01:22:33 Anh Le: Really appreciate your session today

01:22:33 Catherine Cook: thank you very much!

01:22:33 Rachelle Broggin: Thank you thank you!!!!

01:22:34 Lauren Davenport: This is fabulous!!!

01:22:34 James Six-Fronek: Thank you so much for this tonight.

01:22:34 Dominique Dawkins: Thank you

01:22:35 LATONYA MCGRUDER: Thank you! Great ideas!

01:22:36 Rodney Cooper: Awesome Job Jennifer!!

01:22:37 Tami Collins: Thank you!

01:22:37 Kathy Seguin: Great ideas and resources!

01:22:37 dana dulzo: thank you for all the great resources

01:22:37 Lianfang Lu: Amazing ! Thank you!

01:22:38 Meg Dugan: Thank you!

01:22:39 Dave Hankin: Some great resources to check out!!

01:22:39 Catherine Abbott: My kids love to know the "secret knowledge" of the next grade or two....teach up good!

01:22:40 Allison Keever: Thank you!

01:22:40 mariaknott: Thank you!

01:22:41 Katherine Davis: Thank you

01:22:41 Erica Talbot: so many great ideas. thank you for sharing

01:22:42 Debra Cash: Thank you for the great ideas!

01:22:43 Margot Gerber: Thank you for all the great ideas!

01:22:44 Angelita Beltran: Thank you

01:22:44 Cathy Hutchins: Helpful session! Thank you!

01:22:45 Erin McWilliams: Thank you so much!!! So helpful!

01:22:46 Vicki Bullock: Awesome webinar!!!!

01:22:46 Brittany: Thank you!! So excited to use the games :)

01:22:47 Kathy Monk: great ideas thanks

01:22:47 Beth Nalker: Thanks for sharing so many great resources and ideas!

01:22:47 Jolene Bresson: Wow! Thank you!

01:22:47 Patti Gawronski: Thank you!

01:22:48 georgina: Thank you so much!

01:22:48 Miller Amy: Thank you, wonderful resources!

01:22:48 Lance Brauchla: Thanks...just want to make sure we have links.

01:22:50 LARITA MITCHELL: Great game ideas! I can expand my repertoire - thank you!

01:22:51 Valerie Vanderport: thank you

01:22:51 Delores Rushing: This is great! Students will love this. They're learning to think and speak the language of math.

01:22:51 Larisa Whitaker: Interesting experiment

01:22:53 Claudia Cooper: ao many websites to explore. This was great,

01:22:55 Rhonda Rampley: Thank you.

01:22:55 Tamikia Greene: Loads of ideas, activities, and questions to ask our students. THANK YOU so much :)

01:22:55 Jamie Rossi: Onw of my favorite sessions so far!!

01:22:57 Ana Guerrero: Thanks!!!

01:22:57 Nell Thurlow: Excellent presentation, thank you!!

01:22:57 HILARY OMOKAFFE: Thank you

01:22:57 Sheila Bishop: This was wonderful. Thank you!

01:22:58 De Zhang: Great session!!!

01:22:58 Rachelle Broggin: Do you have any resources for lower grade teachers in teaching fractions???

01:22:59 Lesly Brown: Thank you! Great presentation!

01:23:01 Tanya Landry: Thank you!

01:23:01 Fahima Belaid: Thank you so much! awesome!

01:23:01 Sheila Powell: Thank you for so many wonderful ideas!

01:23:05 Debbie Meaney: Great session.

01:23:09 Tamara Shand: Thank ou!

01:23:10 Joan Albers: Best webinar I have attended lately! Thank you!

01:23:11 Marie Molloy: Great resources shared. Thanks! I can't wait to use them

01:23:12 Jamie Hall: THANKS! Great session!

01:23:13 Lenora McGrath: Great session! Thank you.
01:23:13 Denisecia Talabi: Great resources thanks!!!
01:23:14 Jennifer Heldenbrand: Thank you!
01:23:14 Patricia Ferris: Thank you
01:23:15 Beverly Anderson: where will we find the uploaded presentation
01:23:16 Darvin Best: Thanks for ALL of ideas! Lots to research to do.
01:23:17 Patty Juniper: Thank you.
01:23:21 Quianna Watkins: Thanks
01:23:22 Dave Hankin: Some great resources to check out!!
01:23:23 Vangela Eleazer: Thanks
01:23:24 Konnie Guthrie: Thank you!
01:23:24 Larisa Whitaker: yes please
01:23:24 Vicki Pace: Thanks...
01:23:25 ANALINE BAUTISTA: wow thank you
01:23:25 Ashley Browb: Thank you!!

01:23:26 Phyllis Tam: Thank you for the resources
01:23:27 Kelly Pezoulas: Thank you!
01:23:27 Phyllis Poston: Thank you!
01:23:29 Rob Matyska: of all the sessions I've seen (and that's SEVERAL of these) , this one just (sadly) FLEW by
01:23:30 Patricia Schulz: Thank you Jennifer
01:23:30 India Puch: Thank you so much this was very informational!!!!
01:23:31 Angela Stevens: Thank you!
01:23:31 Lisa Aldous: Great session! Thank you so much!
01:23:31 Mary France Imperial: Thank you so much
01:23:31 Jet Yeung: Thank you for all the information and resources, My students would love these games to learn fractions. Great session.
01:23:31 Lisa Cudle: Thank your for the resources
01:23:32 Kayla Villarreal: I like to give an open ended question at the beginning of a unit, then give the same question at the end of the unit. I have students compare their answers to see how much they learned.
01:23:32 Ramona Hall: Thank you!
01:23:33 Rita Ballew: Thank you for all the resources!!
01:23:33 Sharon Black: Thank you so much Jennifer. Very informative webinar
01:23:34 Melissa Cole: Thank you!
01:23:35 Larisa Whitaker: and how about ourcertificates?
01:23:36 Kathleen McFadden: Thank you so much for taking the time to share these methods.
01:23:36 susan mitzner: fabulous and thank you so much
01:23:36 Leigh Stuart: Thank you!!!
01:23:36 Vanette Cook: So many great ideas! Thank you
01:23:37 Cindy Hallman: Thanks for encouraging teachers to teach up
01:23:37 Carole Bamford: Thank you!
01:23:37 Amy Johnson: Thanks!!
01:23:38 Tamasha Govan: Thank you.
01:23:38 Geneve Patterson: Thanks so much– lots of great resources and inspiration!
01:23:38 Debbie Meaney: Be safe all.
01:23:39 Wenny Liao: Thank you so much!

01:23:39 Catherine Abbott: This has been A LOT OF FUN....great way to
start the week. Thank you.

01:23:39 Victoria Campbell: Thank you!

01:23:40 Larisa Whitaker: stay safe

01:23:41 Lynda Krivansky: Thank for all the great ideas!

01:23:42 Kayla Villarreal: Thank you

01:23:43 Monica Parraga: thank you

01:23:43 Maria Coel: Thank you!

01:23:43 April Flanders-Lee: Thank you :)

01:23:43 India Puch: NO you are AWESOME!!!

01:23:43 LARITA MITCHELL: Thanks again!

01:23:43 Laura Siciliano: Thank you!

01:23:44 Kathy Felt: Awesome! Thank you!

01:23:46 Melonie Smith: Great presentation!

01:23:47 Dave Hankin: Thank you again from Globe, Arizona!

01:23:49 Kavonna Bostick: thank you

01:23:49 Reyes Stephanie: Thank you!

01:23:49 Alton Green: Thank you!

01:23:50 Lorie Huff: Thank you

01:23:52 Ann Swierzbin: Thank you!

01:23:53 Tracy Slack: Thank you very much!!

01:23:53 Susan Weiss: Thank you so much!!!

01:23:53 Ines Barcenaz: Thank you!

01:23:53 Maria Reid: Thank you!

01:23:53 Susan Troutman: Thanks!

01:23:53 Ayunda Sri Wahyuningrum: thank you so much!

01:23:54 Andrea Chew: Thank you!

01:23:54 Kimberly Sudac: Wow! Thank you!

01:23:54 Honey Sacro Swem: Thank you

01:23:56 Marie Molloy: Thanks!

01:23:56 mariaknott: Will the chat be downloaded as well on the NTCM
website as well?

01:23:57 Olga Kosheleva: Thank you.

01:23:57 Lauren Davenport: Thank you. Go Clemson Tigers!

01:23:58 Ma.Cecilia Cueva: thank you

01:23:58 Kelly Sotsky: Thank you!

01:23:59 Kim Evavold-Bolf: Thank you!

01:24:01 Barbara McDonald-Pyle: Thank you

01:24:01 Veronica Okojie: Thank you so much for the awesome activities
and resources

01:24:01 Susan Papert: thank you!

01:24:03 Kristi Vanderkamp: Awesome! Thank you!! :)

01:24:03 Maria Oviedo: Thank you for all of the resources.

01:24:05 Amy Smith: Thank you.

01:24:09 Carol Kuchta: nctm.org\???

01:24:11 Payal Arora: Thank you!

01:24:11 Julie Vanderlugt: Thanks so much for all the great
manipulatives and fractions ideas, activities, and games!

01:24:11 Julie Mainwaring: Thank you for all the game ideas!

01:24:11 Larisa Whitaker: THank yyou

01:24:11 Trena Wilkerson: The chat will be there as well.
01:24:13 Vanessa Stokes: thank you!
01:24:16 Cathy Hutchins: I forgot how to save the chat. Anyone?????
01:24:17 Arlene Bachinela: Thank you so much
01:24:18 Larisa Whitaker: So interesting
01:24:18 mariaknott: Ok thank you!
01:24:36 DaiTrang Phan: Thank you so much! I learned a lot.
01:24:36 Lina Young: Thank you.
01:24:37 India Puch: Great ideas!
01:24:38 Rita Ballew: Access to the session will be online?
01:24:41 David Barnes: Chat will be available with the recording tomorrow.
01:24:45 Stacey Monroe: Thanks so much for the ideas!!
01:24:48 Ines Barcenas: French Fry Fractions
01:24:58 Ellen McGoron: This was so helpful. Thank you!
01:25:16 Kerry Lindo: Yes @ Rita
01:25:19 Delores Rushing: Thank you so much Jennifer!! I have a big
smile too. Good info to share with my 3 year old grandson. You'll be surprised how
much young minds can learn!
01:25:21 Michelle Topping: Thanks! Excited to try the suggestions!
01:25:24 Claudette S: Chonda, you are awesome everyday!!
01:25:25 Maria Woehl: Thank you Jennifer for sharing!! You're so
knowledgeable and inspiring.
01:25:30 David Barnes: Video will be available along with resources
tomorrow at <http://www.nctm.org/100>
01:25:31 Delphine Stallworth: Thank you I have several tools for my 6th -
8th graders
01:25:41 Hong Pun: Thanks for the great talk and wonderful ideas!
01:25:44 Claudette S: Thank you Ben!
01:26:00 Melanie Weston: Thanks from North Carolina
01:26:05 Claudette S: Thank you Jennifer. Excellent resources!!
01:26:23 Daniel Irving: Thank you for this incredible presentation and
resources!
01:26:53 Misty Newton: Thank you so much! This was awesome!
01:27:08 Sherry Eldridge: Thank you! Great ideas!
01:27:22 Erica Talbot: thank you
01:27:30 Delores Rushing: Thanks again Chonda for coordinating all
thes wonderful webinars!