

00:21:06 Melissa Blake: Melissa from Avondale, az  
00:21:06 Brenda McNeese: Brenda, Nevada  
00:21:06 Clarissa Rothe: Clarissa from San Bruno, CA (Math 7)  
00:21:06 Nicole Dollar: from Virginia  
00:21:06 Jennifer Coe: Jen from Chicago, IL  
00:21:07 April Shelton: Hello from Tennessee  
00:21:08 Christina Siow Young: Monrovia, CA  
00:21:08 Mark Helton: Mark from Lexington, KY  
00:21:08 Karen Notestine: North Carolina  
00:21:09 Michelle McLarty-Paul: Winnipeg, MB, Canada  
00:21:10 Gabriela Iniguez-Isaacs: Hello from Honolulu, Hawai'i  
00:21:10 Maria Timmerman: Maria from Charlottesville, VA  
00:21:10 Sean Flansburg: Rotterdam, NY  
00:21:10 Kimberly Schott: Hi from western Massachusetts  
00:21:10 Shy Schroder: Buckeye, Az  
00:21:10 Trena Wilkerson: Hello from Waco, Texas!  
00:21:10 Susan Robichaud: Grafton, Massachusetts  
00:21:11 Jessica Lysholm: Hello from Leesburg, VA!  
00:21:11 Jennifer Smith: Bel Air, MD  
00:21:11 Necole Atkins-Dowd: Hello from Las Vegas, NV  
00:21:11 Emily Loda: Hello from Blacksburg, VA!  
00:21:11 Zoe Stokes: Hello from Bowling Green, Ohio!  
00:21:11 Skip Fennell: Hi from Westminster, Maryland  
00:21:12 Susan Robichaud: hello from worcester ma  
00:21:12 Ingrid Lafalaise: Ingrid from Queens, NY  
00:21:12 Sharon Laahs: Hello from Scottsdale, AZ  
00:21:12 Said Chatir: Said Chatir from Plainfield, NJ  
00:21:13 Grace Vaught-Smith: Rifle, CO  
00:21:13 Melinda Page: Hello from Washington state  
00:21:13 Jennifer Love: Greetings from Bloomington, IL  
00:21:14 Debra Odle: Debbie from Mesa, AZ  
00:21:18 Jillaina Brown: Litchfield Park, AZ  
00:21:19 David Drembus: David from Alexandria, Virginia  
00:21:20 Sandra Silva: West Springfield MA  
00:21:20 Julian Embrey: Hello From Julian Embrey from Nashville, TN  
00:21:20 Beth Seyler: Beth from Howard, PA  
00:21:21 Cheryl Williams: hello from Virginia  
00:21:22 Aric Barnes: Hola from Houston, TX  
00:21:23 Meaghan McIntyre: Hello from Cumberland, Rhode Island  
00:21:24 Patti Kleinhanzl: Casa Grande, AZ  
00:21:24 Stacy Miller: Brick NJ  
00:21:26 Cynthia Bryant: Cindy from Springfield, MO  
00:21:26 Shelly Pine: hello from Berryville, Virginia  
00:21:28 Angelica Johnson: Hello from Memphis, TN  
00:21:28 Sharon Hunt: Sharon from Orrum, NC  
00:21:31 Diane Anderson: hi from Massachusetts  
00:21:31 Alyssa Nunez: Goodyear, AZ  
00:21:32 Jaclyn Murray: Atlanta, Georgia  
00:21:32 Jennifer Hagman: Hello from California!  
00:21:35 Bonnie Flamini: Carteret, NJ

00:21:36 Joy Brenzavich: Hello from Thunder Bay Ontario Canada  
00:21:38 Jennifer Wall: Jennifer from Christiansburg, VA  
00:21:47 Trent Thomason: Columbia, TN  
00:21:49 Michael Minchella: Hello from Toronto!  
00:21:50 Juanita Thomas: Hello, Juanita from Phoenix, AZ  
00:21:56 Yoshiko Okamoto: Los Angeles, CA  
00:22:07 Dawn Lybarger: Hello from Delmar, Maryland  
00:22:11 Jessica Hunter: Hello from Monroe, LA  
00:22:15 Olivia Wissinger: Hello from Pittsburgh, PA  
00:22:18 Kate Killion: Hi Kate from clark nj.  
00:22:20 Robyn Heath: Hello from Flagstaff, AZ  
00:22:22 Anissa Wiseman: Hello from Valdosta, GA  
00:22:24 Catherine Livesay: Hello from Tennessee  
00:22:25 Barbara Hill: Barbara Hill North Carolina  
00:22:28 Amy Withers: Hello from NYC  
00:22:29 Suzanne Smith: Suzanne Smith from Scobey, MS  
00:22:36 Lorie Huff: Hello from Fayetteville, Arkansas  
00:22:44 Eva Gomez: Hello from Phoenix, Az  
00:22:44 Danielle McReynolds-Dell: Danielle from Oakland, Ca  
00:22:48 Peter Omura: Peace man! from Woodstock NY  
00:23:05 Jenny Sagrillo: Hello from Milwaukee WI  
00:23:07 John Simons: John from Milwaukee, WI  
00:23:10 Danielle Barberi: Hello from New Orleans, LA  
00:23:15 Mamie Howard: Austin from Denver, CO  
00:23:16 Ellen Metzger: Hello from Newton, MA  
00:23:16 peter zirnis: good evening everyone  
00:23:16 Simran Seehra: Hello from Winnipeg, MB  
00:23:17 Peter Sheppard: Peter from Lafayette, LA  
00:23:20 Pamela Stark: Hello from Massachusetts!  
00:23:21 Teresa Bulanda: Hello from hartford,CT  
00:23:22 David Barnes: Change To: to All Panelists and Attendees.  
Thanks!  
00:23:22 Michelle Webb: Nashville TN  
00:23:25 Tracy Moreno: Hello from Phoenixville PA  
00:23:41 Erica Burnison: Davis, CA  
00:23:41 Dennis Haggerty: Dennis Haggerty, Gardiner maine math middle  
school  
00:23:43 Brian Odiwuor: Hi everyone, Brian here from Syracuse, NY  
00:23:43 Sharon Ling: Hello from NJ!  
00:23:44 Kate Reardon: Hello from Hatboro, PA  
00:23:47 Sarah Patterson: Hi from L.A.!  
00:23:48 Carole Bamford: Hi from Montreal, Quebec  
00:23:48 Robert Berry: Hi Everyone. Robert Berry from Charlottesville, VA  
00:23:58 Penina Kamina: Hello from Oneonta, NY  
00:23:59 bonnie manzon: vallejo, california  
00:23:59 Randy Ross: Hello, Ross from Mesa Arizona  
00:24:00 LaTasha Whittington: Hello from Houston Houston TX  
00:24:01 Kylan Strissel: Hi, from Barrington, IL! =]  
00:24:01 Sharon Black-MacKinnon: Hello from small town New Brunswick, Canada  
00:24:06 roya basu: Hello from NJ

00:24:08 David Barnes: Hello all! From Leesburg, VA!  
 00:24:09 Kristin Messenger: Hello from Las Vegas  
 00:24:11 Beth Snoap: hello from holland, michigan  
 00:24:14 Chris Irick: Hello from Bowling Green, Ohio!  
 00:24:17 Kristin Messenger: Vegas  
 00:24:19 Tracey Lamb: Hello from NH  
 00:24:24 Patricia Sells: Hi from phx,az.  
 00:24:29 Shannon White: Hi, from Ontario Canada.  
 00:24:32 Richard Montgomery: A warm hello from Richard in FL  
 00:24:39 Jennifer Tyche: Hello from Phoenix. AZ  
 00:24:40 Richard Pieper: From Rexburg, Idaho  
 00:24:41 dana dulzo: hello from novi mi  
 00:24:45 Mary Dugas: Hi! from Lafayette LA  
 00:24:47 Konnie Guthrie: Hello everyone.  
 00:24:50 Christell Grace: Hello from Oakland, CA  
 00:24:51 Jessica Brown: Hi from GA!  
 00:25:04 Shaneille Samuels: Hi for Jamaica  
 00:25:05 Deborah Chapdelaine: Hello from Edmonds, WA  
 00:25:07 Konnie Guthrie: Form Las Vegas.  
 00:25:23 Jessica Yancey: Hello from Upstate NY!  
 00:25:26 Laura Hapgood: Hi from Plymouth, MA  
 00:25:51 michael Lanstrum: Hello from Cleveland, OH  
 00:26:03 Beth Kolczak: Hi, from Chandler, AZ  
 00:26:16 Brenda Carvalho: Hello from Sacramento, Ca  
 00:26:17 Kristin Messenger: The zoom where it happens, funny  
 00:26:19 Latasha Bryant: Hello From Hendersonville, TN  
 00:27:00 Shannon Henderson: Yay BGSU!  
 00:27:21 Erica Burnison: I was wondering about the shirt  
 00:27:26 Cynthia Bryant: Love this quote!  
 00:27:41 David Barnes: Bill cleans up well!  
 00:27:46 Stephenia Courtney: I agree!  
 00:27:55 Erica Burnison: shifting of the tide?  
 00:28:18 Amy Tucker: 15  
 00:28:19 Mamie Howard: 18  
 00:28:19 Brenda Carvalho: 20  
 00:28:21 dana dulzo: 12  
 00:28:21 Stephanie Caragher: 20  
 00:28:21 Jennifer Cornish: 25  
 00:28:21 Sandra Silva: 15  
 00:28:21 Kylene Strissel: 16  
 00:28:21 Emily Loda: 15  
 00:28:21 Katelyn Devine: 20  
 00:28:22 Stephenia Courtney: A lot  
 00:28:22 Corinne Brandstetter: 20  
 00:28:22 Herminio Planas: 20  
 00:28:22 Lesley Lynn: 20  
 00:28:22 Chelsey Scheidemann: 22  
 00:28:23 Lisa Kleman: 15  
 00:28:23 Christina Craig: 18  
 00:28:23 Joseph Wood: 24

00:28:23	Robyn Heath:	17
00:28:23	Kelda Lewis:	20
00:28:23	Tracey Lamb:	20
00:28:23	Brenda McNeese:	15
00:28:23	Alma Vital-Abers:	18
00:28:24	Shannon Henderson:	definitely more than 1
00:28:24	John Simons:	16
00:28:24	Patti Kleinhanzl:	17
00:28:24	Erica Burnison:	More than 15
00:28:24	Cynthia Bryant:	24
00:28:24	Beth Kolczak:	15
00:28:24	W Tad Johnston:	15
00:28:24	Jennifer Coe:	~20
00:28:24	Linda Tomilson:	20
00:28:24	Barbara Manley:	15
00:28:24	Clarissa Rothe:	About 20
00:28:25	Deann Leopard:	17
00:28:25	Aric Barnes:	18
00:28:25	kathy kansky:	20
00:28:25	Lenore Lofton:	A lot
00:28:25	Pamela Stark:	30
00:28:25	Annika Moore:	17
00:28:25	Oscar Chavez:	19
00:28:25	Kristin Messenger:	25
00:28:26	Kay Wohlhuter:	15
00:28:26	Heather Ruiz:	20
00:28:26	Gloria Flores:	20
00:28:26	Jenny Sagrillo:	+15
00:28:26	Aimee Harkness:	19
00:28:26	Melinda Page:	25
00:28:26	April Shelton:	16
00:28:26	Michelle Silvia:	25
00:28:26	Jessica Yancey:	less than 25
00:28:26	Mark Phipps:	15
00:28:26	Sharon Ling:	20
00:28:26	Linda Fulmore:	20
00:28:26	Christine Tabor:	17
00:28:27	Katherine Garcia:	18
00:28:27	Sean Flansburg:	21
00:28:27	Beth Seyler:	22
00:28:27	Stephanie Felton:	18
00:28:27	Grace Vaught-Smith:	20
00:28:27	Lorie Huff:	22
00:28:27	Robert Berry:	35
00:28:27	Carole Castonguay:	35
00:28:28	Rebecca Folsom:	25
00:28:28	Laura O'Dell:	25
00:28:28	Ellen Metzger:	17
00:28:28	Jerry Brigance:	22
00:28:28	Alix Duggins:	30

00:28:28	Anissa Wiseman:	27
00:28:28	Elizabeth Wertenberger:	18
00:28:28	Mark Helton:	15
00:28:28	Jennifer Tyche:	28
00:28:28	Deborah Chapdelaine:	30ish
00:28:28	Megan Maxwell:	25
00:28:28	Peter Omura:	42
00:28:29	Patricia Maia:	25
00:28:29	LaTasha Whittington:	20
00:28:29	Paula Fitzpatrick:	17
00:28:29	Diane Anderson:	20
00:28:29	Milagros Smith:	17
00:28:29	Barbara Hill:	15
00:28:29	Stacy Miller:	25
00:28:30	Yoshiko Okamoto:	25
00:28:30	Michelle Fogarty:	24
00:28:30	Deirdre Murphy:	more than 15
00:28:30	Debra Odle:	12
00:28:30	Christell Grace:	50
00:28:30	Chi-Man Ng:	20
00:28:30	BillyJean Smith:	23
00:28:31	Christina Tully:	24
00:28:31	Ashley Cusick:	20
00:28:31	Kathryn Del Prete:	21
00:28:31	Karen Notestine:	15
00:28:31	Julian Embrey:	21
00:28:32	Jill Ethridge:	20
00:28:32	Sophia Stier:	20
00:28:33	Simran Seehra:	20
00:28:33	Jessica Brown:	28
00:28:33	Brittany Lopez:	20
00:28:34	Kimberly Marshall:	18
00:28:34	Juanita Thomas:	26
00:28:34	A. Bazilio:	not fair
00:28:34	Enkelejda Limani:	20
00:28:34	Patricia Sells:	32
00:28:35	roya basu:	30
00:28:35	Cheryl Williams:	18
00:28:35	Shawn Middleton:	22
00:28:35	Denika Gum:	20
00:28:35	Napoleon Sefordzi:	23
00:28:36	Bina Kachwalla:	Could not see the groups but could be around 40
00:28:36	Sydna Eastman:	19
00:28:36	Joy Jeter-Burns:	30
00:28:40	Konnie Guthrie:	More than I could count.
00:28:41	bonnie manzon:	several plus
00:28:43	Catherine Livesay:	19
00:28:44	Zahara Harrison:	not enough information.
00:28:45	Stephenia Courtney:	many
00:28:50	Teresa Bulanda:	27

00:28:55 Jennifer Tyche: less than 100  
00:28:59 Jessica Yancey: 10 <x <25  
00:29:00 Bina Kachwalla: couls have kept for 3 seconds  
00:29:09 Chelsey Scheidemann: Sounds like my kind of dinner party!  
00:29:55 Christine Tabor: Yes  
00:29:57 Stacy Miller: yes  
00:29:57 BillyJean Smith: yes  
00:29:57 Barbara Hill: yes  
00:30:00 Lenore Lofton: yes  
00:30:28 Lenore Lofton: probably  
00:30:40 BillyJean Smith: great way to teach limits  
00:30:58 Lenore Lofton: of course  
00:32:03 Ellen Metzger: 20  
00:32:03 Napoleon Sefordzi: About 24  
00:32:06 Barbara Manley: 22  
00:32:06 Skip Fennell: 16  
00:32:06 Erica Burnison: 20  
00:32:06 Amy Tucker: 22  
00:32:07 Christine Tabor: 16  
00:32:07 Laura Hapgood: even number  
00:32:08 Ellen Metzger: an even number  
00:32:08 Teresa Bulanda: 20  
00:32:08 Stacy Miller: 24  
00:32:08 Aric Barnes: an even number  
00:32:08 Robyn Heath: its even  
00:32:08 Lenore Lofton: more than 20  
00:32:09 Nellie Alvarez: 24  
00:32:09 Allie Smith: 16  
00:32:09 Yoshiko Okamoto: 20  
00:32:09 April Shelton: 20  
00:32:10 Susan Robichaud: 18  
00:32:10 Alma Vital-Abers: about 24  
00:32:10 Sophia Stier: Even amount  
00:32:11 W Tad Johnston: Can't be 15 anymore  
00:32:11 John Simons: 18  
00:32:11 Christell Grace: 20  
00:32:11 Anissa Wiseman: 28  
00:32:11 Connie Cheston: 20  
00:32:12 Brenda McNeese: 19  
00:32:13 Katelyn Devine: Its even! Between 12 and 20  
00:32:14 JAcKy Rodes: 22  
00:32:14 Debra Odle: 18  
00:32:14 Robert Berry: 22  
00:32:14 Simran Seehra: two even groups now  
00:32:14 Deborah Chapdelaine: 20-24  
00:32:14 Brenda Carvalho: Even number  
00:32:15 Bina Kachwalla: 24  
00:32:15 Shannon Henderson: 18  
00:32:16 Mark Phipps: Even number  
00:32:16 Suzanne Smith: 20

00:32:17 Sandra Silva: 18  
00:32:17 Clarissa Rothe: even number, for sure  
00:32:17 BillyJean Smith: at least 18  
00:32:17 Patricia Maia: 22  
00:32:18 Kristin Messenger: 22  
00:32:18 Angelica Johnson: Around 20  
00:32:18 Kylene Strissel: 18-22  
00:32:19 Stephenia Courtney: an even amount  
00:32:20 Christine Tabor: No because even number  
00:32:21 Bina Kachwalla: Even number  
00:32:21 Mary Carver: even number between 20-26  
00:32:22 Gloria Flores: an even number of x's  
00:32:22 Simran Seehra: 20-22  
00:32:22 Jenny Sagrillo: 18  
00:32:24 Connie Cheston: even number  
00:32:24 Latasha Bryant: an even number  
00:32:25 Brittany Lopez: An even #  
00:32:27 Katherine Garcia: 18 or 20  
00:32:29 Juanita Thomas: must be even  
00:32:29 Erica Burnison: Between 18 and 24  
00:32:34 Oscar Chavez: Hi, Jennifer!  
00:32:37 Konnie Guthrie: An even number that is about  $2 \times 7$  to  $2 \times 9$  I think.  
00:32:42 Amy Tucker: 24  
00:32:43 Brittany Lopez: Groups of 3  
00:32:43 Allie Smith: 18  
00:32:44 Lesley Lynn: 24  
00:32:44 Katelyn Devine: 18  
00:32:45 Melinda Page: 18  
00:32:45 Mark Phipps: Divisibility!  
00:32:45 Brenda McNeese: 27  
00:32:46 Angelica Johnson: 18  
00:32:46 Christine Tabor: 18  
00:32:46 BillyJean Smith: 18  
00:32:47 Kylene Strissel: Multiple of 2 and 3  
00:32:47 Jenny Sagrillo: 18  
00:32:49 April Shelton: 18  
00:32:49 Mary Carver: 24  
00:32:49 Nicole Dollar: 20  
00:32:49 Sophia Stier: 24  
00:32:49 Napoleon Sefordzi: About 24  
00:32:50 Laura O'Dell: 24  
00:32:50 A. Bazilio: 18  
00:32:51 Michelle Morgan: There is a multiple of 2 and 4  
00:32:51 Aric Barnes: 21 or 24  
00:32:51 Erica Burnison: 18 or 24  
00:32:51 Daniel Irving: 18  
00:32:52 Yoshiko Okamoto: 24  
00:32:52 Herminio Planas: 24  
00:32:52 Christell Grace: 18  
00:32:52 Christine Tabor: multiple of 2 and 3

00:32:53 Angelica Johnson: 18 or 21  
 00:32:53 Robert Berry: 24  
 00:32:53 Ellen Metzger: 24  
 00:32:54 Nellie Alvarez: 24  
 00:32:54 JAcky Rodes: 24  
 00:32:54 Michelle Morgan: Uh...3  
 00:32:54 Sean Flansburg: 18  
 00:32:54 Deirdre Murphy: 18  
 00:32:54 Lori Hower: 24  
 00:32:55 W Tad Johnston: 18, 24 looking good  
 00:32:55 Stephanie Burton: 18  
 00:32:59 Connie Cheston: 24  
 00:33:00 Latasha Bryant: divisible by 2 and 3  
 00:33:00 Teresa Bulanda: 24  
 00:33:00 Debra Odle: 18  
 00:33:01 Corinne Brandstetter: 24 or 18  
 00:33:01 Anissa Wiseman: 30  
 00:33:02 JAcky Rodes: 18 or 24  
 00:33:02 Deborah Chapdelaine: 18  
 00:33:02 Kristin Messenger: 24 or 18  
 00:33:04 Zahara Harrison: 24  
 00:33:04 Jennifer Coe: 18, 24, or 30  
 00:33:04 Clarissa Rothe: Divisible by 2 and 3  
 00:33:07 Michelle Morgan: 18 or 24  
 00:33:07 Stephenia Courtney: 24  
 00:33:07 Juanita Thomas: 24  
 00:33:08 Julian Embrey: 20  
 00:33:11 Mark Phipps: Multiples of 6  
 00:33:11 Jennifer Hagman: Agree - 18 or 24  
 00:33:12 Joy Jeter-Burns: 18 or 24  
 00:33:16 W Tad Johnston: and also a multiple of 6  
 00:33:18 A. Bazilio: 18 is best fit  
 00:33:25 Kristin Messenger: 24  
 00:33:27 Simran Seehra: 18 or 24  
 00:33:29 Julian Embrey: 18  
 00:33:38 bonnie manzon: what s the answer!  
 00:33:38 Jennifer Hagman: 18  
 00:33:39 Allie Smith: 18  
 00:33:40 Amy Tucker: 18  
 00:33:40 JAcky Rodes: 18  
 00:33:40 Christine Tabor: 18  
 00:33:40 Erica Burnison: 18  
 00:33:41 Mary Carver: 18  
 00:33:43 Teresa Bulanda: 18  
 00:33:43 Angelica Johnson: 18  
 00:33:43 Anissa Wiseman: 18  
 00:33:43 Deirdre Murphy: 18  
 00:33:44 Barbara Hill: 18  
 00:33:45 Skip Fennell: 18  
 00:33:45 Linda Fulmore: 18

00:33:45 Alma Vital-Abers: 18  
00:33:46 Stephenia Courtney: 18  
00:33:48 Simran Sehra: 18  
00:33:50 Zahara Harrison: 18  
00:33:50 Anna Shepstead: 18  
00:33:50 Mark Phipps: Very nice  
00:33:52 Ellen Metzger: 22 or 26  
00:33:54 Kristin Messenger: 18  
00:33:54 Joy Jeter-Burns: 18  
00:33:54 Clarissa Rothe: 18  
00:33:57 Sherita Wells McMillian: 18  
00:33:58 Mary Carver: love this  
00:33:59 Mark Phipps: I LOVE THIS!  
00:34:05 Shannon Henderson: wonderful!  
00:34:07 LaTasha Whittington: nice  
00:34:12 Mamie Howard: That's really cool!!!!  
00:34:14 Lenore Lofton: 18  
00:34:16 Jacky Rodes: who had 18 for their first guess?  
00:34:17 Stephenia Courtney: WONDERFUL!  
00:34:17 Clarissa Rothe: Wow  
00:34:19 Cynthia Bryant: Very nice!  
00:34:22 Ellen Metzger: Fun!  
00:34:32 David Barnes: What a wonderful problem solving experience!  
00:34:37 Lenore Lofton: I have 18 now.  
00:34:42 Susan Robichaud: Hi Ellen  
00:34:42 dana dulzo: this will really grab the students attention  
00:34:43 Jessica Yancey: This seems like an engaging activity to use in a  
live session with kids right now.  
00:34:44 Bina Kachwalla: great experience fro the students  
00:34:55 Stacy Miller: my kids hate any struggle  
00:35:16 Napoleon Sefordzi: This really picks imagination  
00:35:16 Suzanne Smith: It's great; however, when you have Internet  
connection issues, you don't see all the information  
00:35:32 Diane Anderson: students don't like to struggle  
00:35:38 Amy Tucker: Right. I think our Google Meet sessions would not  
allow for people to access the information well.  
00:36:10 Nicole Dollar: great exercise, really shows students how to think!  
00:36:55 David Barnes: @Linda YES!  
00:37:57 Stephenia Courtney: 5 animals  
00:37:59 Mark Phipps: How about toes  
00:38:18 BillyJean Smith: throughout life  
00:38:32 Lenore Lofton: funny  
00:38:35 Michelle Morgan: LOL...Tens + Ones = Tons  
00:39:10 Cynthia Bryant: Similar terms <3  
00:39:31 Stephenia Courtney: still tryong to combine  
00:39:32 Oscar Chavez: There are 2^9 attendees!  
00:39:47 Sophia Stier: Mixing apple and oranges  
00:40:00 Bina Kachwalla: Confusion is good  
00:40:15 W Tad Johnston: Even worse, "stop you are going to confuse them!"  
00:40:28 Shaneille Samuels: confusion can be good yes but how

00:40:48 Beth Kobett: Confusion is normal - part of all learning  
 00:40:50 Jennifer Hagman: Amazing newspaper title!  
 00:41:20 Stephenia Courtney: confusion can help you look for or explore  
 ways to solve a question  
 00:41:32 Shaneille Samuels: true  
 00:41:36 W Tad Johnston: Bowling Green, OH?  
 00:41:43 Jonathan Bostic: That's a BG story!  
 00:41:43 Michelle Silvia: Funny  
 00:41:46 JAcky Rodes: lol  
 00:41:46 Mamie Howard: haahahaha  
 00:41:47 Shannon Henderson: ha!  
 00:41:48 Mark Phipps: so is their readership  
 00:41:51 David Barnes: LOL  
 00:42:03 Richard Montgomery: Humor is a good learning tool...  
 00:42:28 Shannon Henderson: learn through exploration  
 00:42:42 Lorie Huff: Yes! Make mathematics real.  
 00:42:46 Nicole Dollar: <3  
 00:42:50 Cynthia Bryant: Powerful!!!  
 00:43:01 Denise Quarles: Ah! Beautiful parallels between language acquisition  
 and mathematics learning  
 00:43:01 Amy Tucker: reflecting  
 00:43:05 Stacy Miller: connecting  
 00:43:06 Amy Tucker: questioning  
 00:43:07 Heather Ruiz: explaining  
 00:43:07 Katelyn Devine: synthesizing  
 00:43:07 Robyn Heath: exploring  
 00:43:09 Katelyn Devine: generalizing  
 00:43:09 Jonathan Bostic: Problem posing  
 00:43:10 Patti Kleinhanzl: exploring  
 00:43:10 dana dulzo: trying  
 00:43:10 Jessica Lysholm: reasoning  
 00:43:11 Randy Ross: mathematizing  
 00:43:11 Bina Kachwalla: discussing  
 00:43:11 Stephanie Felton: problem solving  
 00:43:11 Chris Irick: sharing  
 00:43:11 Herminio Planas: thinking  
 00:43:11 Skip Fennell: doing  
 00:43:11 Linda Higashi: reasoning  
 00:43:12 Shawn Middleton: reasoning  
 00:43:12 Beth Kolczak: connecting  
 00:43:12 Jonathan Bostic: investigating.  
 00:43:12 Yoshiko Okamoto: reasoning  
 00:43:13 Jillaina Brown: understanding  
 00:43:13 Stacy Miller: solving  
 00:43:13 Chi-Man Ng: Investigating  
 00:43:13 Jen McFall: struggling  
 00:43:13 Jennifer Coe: questioning  
 00:43:13 David Drembus: struggling  
 00:43:13 Jennifer Cornish: thinking  
 00:43:14 Robyn Heath: engaging

00:43:14 A. Bazilio: persevering  
00:43:14 JAcky Rodes: engaging,  
00:43:15 Bina Kachwalla: proving  
00:43:15 Lori Hower: analyzing  
00:43:15 Chris Irick: wondering  
00:43:15 Shannon Henderson: questioning  
00:43:15 Sharon Ling: thinking  
00:43:15 Lenore Lofton: connecting  
00:43:16 Erica Burnison: decisioning  
00:43:16 Wendy Kraft: persevering  
00:43:16 Mark Phipps: TRYing  
00:43:16 Peter Omura: collaborating  
00:43:16 Michelle Silvia: proving  
00:43:16 Danielle Deutsch: Justifying  
00:43:17 Jen McFall: reasoning  
00:43:17 John Simons: persevering  
00:43:17 Jonathan Bostic: communicating  
00:43:17 Clarissa Rothe: recalling  
00:43:18 Zahara Harrison: trying  
00:43:18 BillyJean Smith: thinking, challenging, preserving,  
00:43:18 Robert Berry: reasoning  
00:43:18 Paula Fitzpatrick: thinking  
00:43:18 Angelica Johnson: persevering  
00:43:18 Herminio Planas: sharing  
00:43:18 Necole Atkins-Dowd: analyzing  
00:43:18 Kris Erickson: Thinking, struggling,  
00:43:18 Jessica Yancey: describing, recognizing  
00:43:18 Katherine Garcia: reasoning  
00:43:18 Jennifer Wall: analyzing  
00:43:18 Skip Fennell: thinking  
00:43:18 Beth Snoap: questioning  
00:43:19 Jen McFall: engaging  
00:43:19 Wendy Kraft: wondering  
00:43:19 Kimberly Schott: applying  
00:43:19 Beth Kolczak: discussing  
00:43:19 Gloria Flores: Questioning  
00:43:20 Napoleon Sefordzi: thinking, synthesizing and engaging  
00:43:20 Linda Gojak: connecting  
00:43:20 Olivia Wissinger: understanding  
00:43:20 Brenda Carvalho: exploring  
00:43:20 Kelley Nelson: Thinking  
00:43:20 Yoshiko Okamoto: connecting  
00:43:20 Jennifer Cornish: exploring  
00:43:20 Teresa Bulanda: trying  
00:43:20 Michelle Silvia: sharing  
00:43:21 Paula Fitzpatrick: reasoning  
00:43:21 Katherine Garcia: communicating  
00:43:21 Patti Kleinhanzl: reasoning  
00:43:21 Clarissa Rothe: collaborating  
00:43:21 Bina Kachwalla: struggling

00:43:21 Emily Loda: dissecting  
00:43:22 Jonathan Bostic: promoting  
00:43:22 Shannon Henderson: analyzing  
00:43:22 Sandra Silva: discussing  
00:43:22 Jaclyn Murray: reasoning  
00:43:22 Nicole Dollar: trying  
00:43:22 Kelley Nelson: checking  
00:43:22 Amy Withers: noticing  
00:43:22 Konnie Guthrie: thinking, doing, and problem-solving  
00:43:22 Skip Fennell: solving  
00:43:22 Leah Simon: problem solving, thinking  
00:43:22 Randy Ross: mathematizing  
00:43:22 Angelica Johnson: struggling  
00:43:22 Laura O'Dell: problem solving  
00:43:23 luzviminda Malabanan: investigating  
00:43:23 Stacy Miller: cooperating  
00:43:23 Katherine Garcia: modeling  
00:43:23 Stephenia Courtney: connecting  
00:43:23 Brenda McNeese: analyzing  
00:43:23 Melinda Page: estimating  
00:43:23 Erica Burnison: questioning  
00:43:24 A. Bazilio: questioning  
00:43:24 Jessica Yancey: generalizing  
00:43:24 Evlain Ayoub: solving  
00:43:24 Patricia Sells: reasoning  
00:43:24 Sherita Wells McMillian: explaining  
00:43:24 Denika Gum: problem solving  
00:43:24 David Drembus: borrowing  
00:43:24 Clarissa Rothe: connecting  
00:43:24 Jessica Lysholm: questioning  
00:43:24 Angelica Johnson: reasoning  
00:43:24 Kelley Nelson: connecting  
00:43:24 Enkelejda Limani: arguing  
00:43:25 Amy Withers: playing  
00:43:25 bonnie manzon: listening  
00:43:25 Gloria Flores: Communicating  
00:43:26 Jill Ethridge: analyzing  
00:43:26 Chelsey Scheidemann: Persevering  
00:43:26 Sandra Silva: learning  
00:43:26 Erica Burnison: connecting  
00:43:26 Corinne Brandstetter: reasoning!  
00:43:27 Skip Fennell: estimating  
00:43:27 Mary Carver: connecting  
00:43:27 Paula Fitzpatrick: connecting  
00:43:27 Kelley Nelson: exploring  
00:43:28 Wendy Kraft: anticipating  
00:43:28 A. Bazilio: thinking  
00:43:28 Kylene Strissel: discussing  
00:43:28 Jason Wright: Meeting (standards)  
00:43:28 Lenore Lofton: communicating

00:43:28 Michelle Silvia: solving  
00:43:28 Stephenia Courtney: solving  
00:43:28 Patricia Sells: checking  
00:43:29 Annika Moore: Exploring  
00:43:29 Randy Ross: mathematizing  
00:43:29 Denise Quarles: sweating  
00:43:29 Kelley Nelson: asking  
00:43:29 John Simons: helping  
00:43:29 luzviminda Malabanan: analyzing  
00:43:29 Denika Gum: analyzing  
00:43:29 Jonathan Bostic: challenging  
00:43:29 Christina Tully: explaining  
00:43:30 Clarissa Rothe: understanding  
00:43:30 Beth Kobett: Persevering  
00:43:30 Jennifer Hagman: inventine  
00:43:30 Kylan Strissel: questioning  
00:43:30 Alma Vital-Abers: thinking  
00:43:31 Jacky Rodes: motivating  
00:43:31 Modena Paulsen: Persevering  
00:43:31 Linda Gojak: love this list  
00:43:31 Lenore Lofton: working  
00:43:31 Bina Kachwalla: thinking  
00:43:31 Teresa Bulanda: risk taking  
00:43:32 Wendy Kraft: checking  
00:43:32 Olivia Wissinger: understanding  
00:43:32 Christy LeBoeuf: communicating  
00:43:32 Sharon Black-MacKinnon: solving  
00:43:32 LaTasha Whittington: analyzing  
00:43:32 Stephenia Courtney: questioning  
00:43:32 Alma Vital-Abers: practicing  
00:43:32 Erica Burnison: differentiating  
00:43:32 Ellen Metzger: noticing  
00:43:33 David Harris: examining  
00:43:33 Denika Gum: eploring  
00:43:33 Shaneille Samuels: discussing  
00:43:33 Beth Kobett: Thinking  
00:43:33 Randy Ross: mathematizing  
00:43:33 Sherita Wells McMillian: thinking  
00:43:33 Yoshiko Okamoto: analyzing  
00:43:33 A. Bazilio: probing  
00:43:33 Kay Wohlhuter: questioning; wondering  
00:43:33 Napoleon Sefordzi: reasoning  
00:43:33 Kelley Nelson: sharing  
00:43:33 Barbara Manley: analyzing, reasoning, making sense, struggling,  
discussing,  
00:43:33 April Shelton: communicating  
00:43:33 Jennifer Hagman: exploring  
00:43:34 Shawn Middleton: discussing  
00:43:34 Amy Withers: tinkering  
00:43:34 Michelle Silvia: swearing

00:43:34 Lori Hower: testing  
00:43:34 BillyJean Smith: discussing  
00:43:34 Leah Simon: enjoying  
00:43:34 Beth Kolczak: struggling  
00:43:34 Brenda McNeese: exploring  
00:43:34 Jennifer Coe: evolving  
00:43:34 Megan Maxwell: explaining  
00:43:34 Simran Seehra: reasoning  
00:43:35 Mark Phipps: Persevering  
00:43:35 Katelyn Devine: refining  
00:43:35 Skip Fennell: reflecting  
00:43:35 Jenny Sagrillo: connecting  
00:43:35 Patsy Ramirez: subitizing  
00:43:35 Hattie Meyer: discussing  
00:43:35 Sharon Black-MacKinnon: thinking  
00:43:35 C Robertson: trying  
00:43:35 Jill Ethridge: organizing  
00:43:36 Clarissa Rothe: comprehending  
00:43:36 Deirdre Murphy: explaining  
00:43:36 Wendy Kraft: verifying  
00:43:36 Lenore Lofton: thinking  
00:43:36 Annika Moore: struggling  
00:43:36 Bina Kachwalla: collaborating  
00:43:36 Alma Vital-Abers: analyzing  
00:43:36 Sandra Silva: communicating  
00:43:37 Christy LeBoeuf: sharing  
00:43:37 Jillaina Brown: processing  
00:43:37 Kristin Messenger: enjoying  
00:43:37 bonnie manzon: observing  
00:43:37 Jerry Brigance: thinking  
00:43:37 Patricia Sells: thnking  
00:43:37 Pamela Stark: thinking  
00:43:37 Gloria Flores: Analyzing  
00:43:37 Lorie Huff: Thinking  
00:43:37 Luisa de Carteret: explaining  
00:43:37 Jenny Sagrillo: discussing  
00:43:38 Michelle Silvia: discussing  
00:43:38 Denika Gum: exploring  
00:43:38 Shaneille Samuels: manipulating  
00:43:38 C Robertson: thinking  
00:43:38 Beth Kobett: Conjecturing  
00:43:39 Mary Carver: analyzing  
00:43:39 Shannon White: reasoning  
00:43:39 Simran Seehra: discovering  
00:43:39 Aric Barnes: analyzing, persevering, reflecting  
00:43:39 Sophia Stier: questioning  
00:43:39 Alma Vital-Abers: reasoning  
00:43:39 Paula Fitzpatrick: processing  
00:43:39 Randy Ross: mathematizing  
00:43:40 Jenny Sagrillo: reasoning

00:43:40 Sandra Silva: exploring  
00:43:40 Lorie Huff: wondering  
00:43:40 Cynthia Bryant: verifying  
00:43:41 Jenny Sagrillo: wondering  
00:43:41 JAcky Rodes: reasoning  
00:43:41 Jerry Brigance: remembering  
00:43:41 Brenda McNeese: discussing  
00:43:41 Michael Minchella: manipulating  
00:43:41 Christine Galle: struggling  
00:43:42 Ellen Metzger: connecting  
00:43:42 Alma Vital-Abers: constructing  
00:43:42 Brenda Carvalho: explaining  
00:43:42 Clarissa Rothe: connectng  
00:43:42 Myra Collins: thinking  
00:43:43 Ashley Cusick: justifying  
00:43:43 Julian Embrey: Connecting, Exploring, and Reasoning  
00:43:43 Mary Carver: reasoning  
00:43:43 Necole Atkins-Dowd: reflecting  
00:43:43 Nicole Dollar: problem solving  
00:43:43 Gloria Flores: Struggling  
00:43:43 Jill Ethridge: explaining  
00:43:43 Anissa Wiseman: thinking  
00:43:43 Lorie Huff: questioning  
00:43:43 Stacy Miller: responding  
00:43:44 Jenny Sagrillo: noticing  
00:43:44 Deirdre Murphy: attempting  
00:43:44 Thea Darling: reasoning  
00:43:44 roya basu: visualizing  
00:43:44 Jessica Yancey: generalizing  
00:43:45 Carole Castonguay: generalizing, connecting, justifying,  
noticing  
00:43:45 Peter Wilhelm: Communicating, participating  
00:43:45 W Tad Johnston: Talking (about math)  
00:43:45 Randy Ross: mathematizing  
00:43:45 Joseph Wood: analyzing  
00:43:45 Alma Vital-Abers: connecting  
00:43:46 Derrick Thompson: synthesizing  
00:43:46 Mamie Howard: Challenging  
00:43:47 Anissa Wiseman: discussing  
00:43:47 Alma Vital-Abers: struggling  
00:43:48 Michelle Webb: applying  
00:43:48 Deirdre Murphy: modeling  
00:43:48 Erica Burnison: noticing  
00:43:48 Myra Collins: trying  
00:43:49 Joseph Wood: connecting  
00:43:49 Juanita Thomas: knowing  
00:43:49 Peter Omura: discussing  
00:43:49 Sharon Hunt: productive struggling  
00:43:51 Randy Ross: mathematizing  
00:43:52 Anissa Wiseman: connecting

00:43:53 Patricia Sells: applying  
00:43:56 dana dulzo: perservering  
00:43:58 Dawn D'Elia: stimulating  
00:43:59 Shannon White: justifying  
00:44:00 Sherita Wells McMillian: justifying  
00:44:09 Patrick Vennebush: conjecturing  
00:44:09 Myra Collins: like the UPS commercial -- not just shipping!  
00:44:17 Erica Burnison: testing  
00:44:20 Mamie Howard: WOW!  
00:44:27 Sharon Black-MacKinnon: love it!!  
00:44:29 Jen McFall: Love it  
00:44:29 Shannon Henderson: perfect  
00:44:33 Catherine Livesay: discussing, thinking,  
00:44:34 Stephenia Courtney: GREAT  
00:44:34 David Barnes: Impressive!  
00:44:45 Jenny Sagrillo: ♡  
00:44:46 Kristin Messenger: Awesome  
00:44:52 BillyJean Smith: do we receive a copy of the slides  
00:44:53 Peter Wilhelm: Processes. Yes!  
00:44:53 Linda Gojak: Now we need to share these beliefs with our  
colleagues to instigate real change in mathematics learning.  
00:44:56 Kristin Messenger: I agree  
00:44:57 Deirdre Murphy: yes as early as possible  
00:45:16 Shannon Henderson: oh to be able to buck the system!  
00:45:20 Felicia Paige: yes  
00:45:20 Erica Burnison: Now is the time - the disruption is here  
00:45:23 W Tad Johnston: This seems to imply there is an order or sequence to  
processes?  
00:45:53 Shannon Henderson: put that question in the Q & A. I would like  
to know too!  
00:45:56 Stephenia Courtney: it is just as powerful as if!!!!  
00:46:11 Chelsey Scheidemann: Well, what's 25% of 16?  
00:46:13 Jessica Yancey: around 5  
00:46:15 Allie Smith: 4  
00:46:16 Anna Shepstead: 4  
00:46:23 JAcky Rodes: 3  
00:46:24 Jill Ethridge: less than half of 25  
00:46:26 Erica Burnison: a quarter of 16  
00:46:26 Jennifer Hagman: 4 – yes Chelsey!  
00:46:28 Simran Seehra: 4  
00:46:29 Sharon Black-MacKinnon: 4  
00:46:31 Lesley Lynn: Less than 12.5  
00:46:34 Denika Gum: 4  
00:46:35 Anna Shepstead: It's the same as saying what's 25% of 16, which is 4  
00:46:36 Jenny Sagrillo: 4  
00:46:36 Angelica Johnson: 4  
00:46:38 Shannon Henderson: I would start with 10%  
00:46:39 Sharon Black-MacKinnon: a quarter of 16  
00:46:45 Lesley Lynn: Less than 5  
00:46:46 Christine Tabor: Less than 16

00:47:01 Denise Quarles: What is 16% of 100? What's 1/4 of that  
00:47:06 Daniel Irving: 4. 16% of 100 is 16; so 16% of 25 is  $16/4 = 4$ .  
00:47:14 Cynthia Bryant: Love duplation!  
00:47:18 Patricia Maia:  $2.5+1.25+.25=4$   
00:47:21 Clarissa Rothe: Yes!  
00:47:29 Teresa Bulanda: proportional thinking  
00:47:30 Chelsey Scheidemann: Jennifer - YAY! :D  
00:47:32 Jacky Rodes: neat!  
00:47:38 W Tad Johnston: it's a different question.  
00:47:41 Ellen Metzger: Ha! Never thought of that!  
00:47:43 Richard Montgomery: That's whaat I did.  $16 \times 25\%$   
00:47:44 Jill Ethridge: does that work with every number  
00:47:51 Cynthia Bryant: Me too!  
00:47:51 Anna Shepstead: Yes @Jill  
00:48:28 Nicole Dollar: Time Travel...you would have made my early math  
classes so much better!!!  
00:48:34 David Barnes: A new way to think about percents!  
Thanks Bill!  
00:48:41 Ellen Metzger:  $16 * 1/100 * 25 = 25 * 1/100 * 16$   
00:48:43 Shannon Henderson: Esther  
00:48:43 Kristin Reedal: That is amazing.  
00:48:45 Katie Benson: ewing  
00:48:45 W Tad Johnston: edie  
00:48:46 Michael Minchella: EDITH  
00:48:46 Erica Burnison: Erica  
00:48:47 Stephanie Caragher: Eve  
00:48:47 Amy Withers: Eric  
00:48:47 Christina Tully: Evan  
00:48:47 Robyn Heath: Erin  
00:48:47 Clarissa Rothe: Eric  
00:48:48 Chi-Man Ng: edgar  
00:48:48 Lesley Lynn: Eddie  
00:48:48 Oscar Chavez: Ethel  
00:48:48 Lenore Lofton: Ellen  
00:48:48 Joseph Wood: erin  
00:48:48 Chelsey Scheidemann: Emil  
00:48:48 Amy Tucker: EVAN  
00:48:48 Kimberly Schott: Emily  
00:48:48 Mamie Howard: Emmit  
00:48:48 Rebecca Folsom: Ernie  
00:48:48 Jennifer Coe: ELISE  
00:48:49 Emily Loda: Emily  
00:48:49 Stephenia Courtney: Eric  
00:48:49 Shawn Middleton: edgar  
00:48:49 Teresa Bulanda: eva  
00:48:49 Patti Kleinhanzl: Evan  
00:48:49 Cynthia Bryant: Evelyn  
00:48:49 Linda Gojak: Frank  
00:48:49 Allie Smith: EVAN  
00:48:49 Michelle Silvia: ethan

00:48:49	Aimee Harkness:	ernie	
00:48:49	Beth Snoap:	elmer	
00:48:49	Grace Vaught-Smith:		ESTHER
00:48:49	Barbara Manley:	Eve	
00:48:49	Denika Gum:	Eve	
00:48:50	Christine Tabor:		Eve
00:48:50	Jill Ethridge:	Edgar	
00:48:50	Tracey Lamb:	ellen	
00:48:50	Jason Wright:	enoch	
00:48:50	Beth Seyler:	evan	
00:48:50	Alma Vital-Abers:		eve
00:48:50	BillyJean Smith:		ED
00:48:50	Wendy Kraft:	Ethan	
00:48:50	Richard Pieper:	Earl	
00:48:51	Jessica Lysholm:		ELAINE
00:48:51	Paula Fitzpatrick:		EDith
00:48:51	Stephanie Burton:		Elvira
00:48:51	Patricia Maia:	eliza	
00:48:51	Patsy Ramirez:	Eloise	
00:48:51	John Simons:	Elizabeth	
00:48:51	Katelyn Devine:	ETHAN	
00:48:51	Randy Ross:	Elise	
00:48:51	Laura O'Dell:	evan	
00:48:51	Hattie Meyer:	ELLIE	
00:48:51	kathy kansky:	ethan	
00:48:51	Sharon Black-MacKinnon:		Evan
00:48:51	Carole Castonguay:		edith
00:48:52	Olivia Wissinger:		Ethan
00:48:52	Kate Reardon:	Ed	
00:48:52	Patrick Vennebush:		EMILY
00:48:52	April Shelton:	Estelle	
00:48:52	Angelica Johnson:		Eve
00:48:52	Christy LeBoeuf:		Elliot
00:48:52	Julian Embrey:	Evan	
00:48:52	Heather Ruiz:	edward	
00:48:52	Gloria Flores:	Edgar	
00:48:53	Zoe Stokes:	EMILY	
00:48:53	Danielle Deutsch:		EVAN
00:48:53	Jennifer Cornish:		Edna
00:48:53	Robert Berry:	Earl	
00:48:53	Felicia Low:	Ellen	
00:48:53	Michelle Fogarty:		ethel
00:48:53	Brenda McNeese:	edward	
00:48:53	Kelda Lewis:	ELLE	
00:48:54	Jonathan Bostic:		Erin
00:48:54	Kimberly Marshall:		Eryn
00:48:54	Napoleon Sefordzi:		Edward
00:48:54	Nicole Dollar:	Earnest	
00:48:54	Necole Atkins-Dowd:		Ethan
00:48:54	Denika Gum:	EVE	

00:48:54 Barbara Hill: EVE  
00:48:54 Beth Kolczak: ELIZABETH  
00:48:55 Peter Omura: Elise  
00:48:55 Jennifer Pearson: ellen  
00:48:55 LaTasha Whittington: Tasha  
00:48:55 Sharon Ling: Ethan  
00:48:56 Mary Carver: Ethan  
00:48:56 Ashley Cusick: Emily  
00:48:56 Jessica Yancey: Not enough information  
00:48:56 Rebecca Folsom: Evelyn  
00:48:56 Stephenia Courtney: Eric  
00:48:56 Wendy Kraft: Eli  
00:48:56 Peter Wilhelm: Zed  
00:48:56 Jade Boyd: Devin  
00:48:56 Jeffrey Speer: EDNA  
00:48:57 Jennifer Heldenbrand: Ernie  
00:48:57 Clarissa Rothe: Ebenezer  
00:48:57 Mark Phipps: EDITH  
00:48:57 Corinne Brandstetter: any name after 'Dennis'  
00:48:57 John Simons: ELIZABETH  
00:48:58 JAcky Rodes: MAggie  
00:48:58 Herminio Planas: Elizabeth  
00:48:58 Linda Fulmore: Eugene  
00:48:58 dana dulzo: dan  
00:48:58 Skip Fennell: Byc  
00:48:58 Bina Kachwalla: Could be anyone  
00:48:59 Robyn Heath: erin  
00:48:59 Lori Hower: ERICA  
00:48:59 Chris Irick: EARNEST  
00:49:00 Linda Gojak: Frank  
00:49:00 Jerry Brigance: Evan  
00:49:00 Enkelejda Limani: Enkelejda  
00:49:01 Juanita Thomas: Eddie  
00:49:01 Chelsey Scheidemann: Any name that might start with E  
00:49:02 Latasha Bryant: Esvin  
00:49:02 Susan Robichaud: Earll  
00:49:02 Cynthia Bryant: Evelyn  
00:49:02 Skip Fennell: Bryce  
00:49:02 Jeff Shih: Cailin  
00:49:02 Sharon Black-MacKinnon: Alice  
00:49:02 Robyn Heath: eric  
00:49:02 Jennifer Wall: Evelyne  
00:49:03 Ashley Cusick: Elizabth  
00:49:04 Aric Barnes: Eugenia (7 letters)  
00:49:05 Corinne Brandstetter: Dylan!  
00:49:06 Katherine Garcia: Emily  
00:49:07 Deborah Chapdelaine: Evaline  
00:49:07 Zahara Harrison: it's a girl name  
00:49:07 Jenny Sagrillo: EMMA  
00:49:07 JAcky Rodes: Emily

00:49:08 Christine Tabor: A girl with an E  
 00:49:08 Brittany Lopez: ELLAHE  
 00:49:08 Kristin Reedal: It has to be 7 letters  
 00:49:09 Allie Smith: girl name with E and 7 letters  
 00:49:10 Jen McFall: Eliana  
 00:49:11 Shawn Middleton: ellenor  
 00:49:12 Ashley Cusick: Has to be 7 letters & girl  
 00:49:13 Mark Phipps: caps for female name  
 00:49:13 Brenda Carvalho: Any 7 letter name  
 00:49:14 Kendra Edwards: elissia  
 00:49:15 Erica Burnison: evelyna  
 00:49:17 Deborah Chapdelaine: EVALINE  
 00:49:17 kathy kansky: Elaine. Must be 7 letters  
 00:49:18 Jill Perry: Assuming gender-normative names?  
 00:49:21 Angelica Johnson: Elissia  
 00:49:21 Christine Tabor: with 7 letters  
 00:49:23 Melinda Page: Elliot  
 00:49:23 Michelle Silvia: 'evelyn  
 00:49:24 Konnie Guthrie: Elvis  
 00:49:24 Beth Kobett: Starts with an e and three syllables  
 00:49:26 Jessica Yancey: Jennue  
 00:49:26 Shawn Middleton: begin with E and 7 letters  
 00:49:29 Brittany Lopez: ALL caps 7 letters e  
 00:49:31 Peter Omura: Boy girl  
 00:49:33 Myra Collins: it has to be a girl if the pattern continues  
 00:49:34 Stephenia Courtney: alphabet  
 00:49:34 Stacy Miller: eric  
 00:49:34 Laura O'Dell: evelyn  
 00:49:36 GABRIELA CASTRO: EVE  
 00:49:39 Peter Omura: girl boy I mean  
 00:49:40 Catherine Livesay: Eli  
 00:49:40 Clarissa Rothe: Emilia  
 00:49:41 Richard Montgomery: order  
 00:49:45 Erica Burnison: 7 letters starting with e that is female  
 00:49:45 dana dulzo: 7 letters and begin with next letter  
 00:49:47 Christine Galle: I couldn't think of a 7 letter name that  
 fast  
 00:49:51 Richard Montgomery: structure  
 00:49:52 Linda Gojak: george  
 00:49:55 JAcKy Rodes: Evelynn  
 00:49:57 dana dulzo: didnt think about gender  
 00:49:59 Linda Gojak: georgette  
 00:49:59 Clarissa Rothe: Eleanor  
 00:49:59 Lenore Lofton: I did not notice female then male  
 00:50:00 Jill Perry: Assuming gender-normative names  
 00:50:00 Mary Carver: 7lettered girl that starts with E  
 00:50:02 Jessica Yancey: Rosters don't have patterns other than alphabetic.  
 00:50:07 Stacy Miller: # of letters  
 00:50:14 Clarissa Rothe: ELEANOR  
 00:50:15 Kristin Messenger: 3 letters 4 5 6

00:50:20 Cynthia Bryant: Wow, love this!  
00:50:35 W Tad Johnston: don't have color in the chat :-)  
00:50:36 Linda Gojak: But it doesn't mean it has to be the next letter –  
unless I have exactly 26 students in my class lol  
00:50:38 Derrick Thompson: the count is in numerical order  
00:50:45 Richard Montgomery: AND in YELLOW  
00:50:55 BillyJean Smith: Emily  
00:51:03 Stacy Miller: proofs  
00:51:04 BillyJean Smith: Emilia  
00:51:12 W Tad Johnston: orange?  
00:51:16 Linda Gojak: Like the color idea!  
00:51:21 Teresa Bulanda: EUGENIA  
00:51:28 Myra Collins: What fun  
00:51:29 Napoleon Sefordzi: How do you get the colors?  
00:51:48 BillyJean Smith: I like that as a quote  
00:51:57 Carole Castonguay: I'd say it should be a female name with 3  
vowels, in capital letters, and in purple.  
00:52:01 Jacky Rodes: estelle  
00:52:30 Faith Peddie: I love these I don't know!!!  
00:52:33 Beth Kobett: Look at all the thinking we are doing!  
00:52:56 Jennifer Suh: Love that sense of "wonder"  
00:52:57 Faith Peddie: The joy, beauty, and wonder of mathematics can be  
seen in "I don't know" itself!  
00:53:01 Cynthia Bryant: Wonder engages you!  
00:53:19 David Barnes: I like that!  
00:53:26 Lorie Huff: I love that!  
00:53:33 Shannon Henderson: 3/5  
00:53:33 Mamie Howard: 3/4  
00:53:33 Heather Ruiz: 3/5  
00:53:35 Linda Gojak: It was amazing how my kids perceived the kid who was  
fasted with computation was the kid who was the best at math...rather than the kids  
who could think outside the box.  
00:53:35 Christine Tabor: 3/5  
00:53:37 W Tad Johnston: 3/5  
00:53:37 Tracey Lamb: 3/5  
00:53:37 Barbara Manley: 3/5  
00:53:38 Kristin Messenger: 3/5  
00:53:39 Emily Loda: 7/16  
00:53:39 Joseph Wood: 3/4 with a square covering  
00:53:41 Clarissa Rothe: 3/5 green  
00:53:41 Christine Tabor: 3/4  
00:53:41 Michelle Morgan: Green or white?  
00:53:41 April Shelton: 3/5  
00:53:41 Ellen Metzger: 9/16  
00:53:41 Stacy Miller: 3/4  
00:53:41 Catherine Livesay: 2/3  
00:53:41 dana dulzo: 3/5  
00:53:42 Chris Irick: 9/16  
00:53:42 Sharon Ling: 3/5  
00:53:42 Julian Embrey: 3/4

00:53:42 Nicole Dollar: 3/5  
 00:53:42 Kris Erickson: 1/5  
 00:53:42 Shawn Middleton: 2/5  
 00:53:43 Stephenia Courtney: 2/5  
 00:53:43 Clarissa Rothe: 2/5 white  
 00:53:43 Kimberly Schott: 1/5  
 00:53:43 JAcky Rodes: 3/4  
 00:53:43 Amy Tucker: 9/16  
 00:53:44 Lenore Lofton: 3/5  
 00:53:44 Michelle Silvia: 2/5  
 00:53:44 Katherine Garcia: 3/5  
 00:53:45 Jen McFall: 3/5  
 00:53:45 Melinda Page: 2/5  
 00:53:46 Teresa Bulanda: 2/5  
 00:53:46 Modena Paulsen: 2/5  
 00:53:47 Sandra Silva: 3/5  
 00:53:47 Clarissa Rothe: 5/5 = 1  
 00:53:47 John Simons: 3/5  
 00:53:47 Michelle Morgan: Green or white?  
 00:53:47 Christina Tully: 9/16  
 00:53:48 Melissa Luzano: 9/16  
 00:53:48 Bina Kachwalla: quarters  
 00:53:48 Carole Castonguay: 3/5 or 2/5  
 00:53:48 Patrick Vennebush: 1/2  
 00:53:48 Jenny Sagrillo: 7/16  
 00:53:49 Brenda McNeese: 3/5  
 00:53:49 Jessica Lysholm: 9/16  
 00:53:50 Jill Ethridge: 7/2  
 00:53:50 Christina Craig: 9/16  
 00:53:50 Laura O'Dell: 1/4  
 00:53:52 Jennifer Wall: 9/16  
 00:53:53 Sydna Eastman: 1/4  
 00:53:53 Kate Parsons: 5/4  
 00:53:53 W Tad Johnston: mine was overlayed  
 00:53:53 Corinne Brandstetter: 9/16  
 00:53:54 Jason Wright: 9/16  
 00:53:54 Denika Gum: 9/16  
 00:53:54 Robyn Heath: 9/16  
 00:53:56 Aric Barnes: 9/16  
 00:53:56 Teresa Bulanda: 2/5  
 00:53:57 Katelyn Devine: 9/16  
 00:53:57 Jill Ethridge: 7/12  
 00:53:57 Denise Quarles: 7/20  
 00:54:00 Herminio Planas: 9/16  
 00:54:00 David Harris: 9/16  
 00:54:02 Richard Montgomery: 3/4  
 00:54:03 Brenda Carvalho: 9/16  
 00:54:04 Pamela Stark: 7/16  
 00:54:04 Shannon Henderson: we see it all differently  
 00:54:05 Bina Kachwalla: 4/16

00:54:06 Patrick Vennebush: 9/16  
 00:54:06 Daniel Irving: 7/16 or 9/16  
 00:54:10 Teresa Bulanda: 3/5  
 00:54:11 W Tad Johnston: 5/4  
 00:54:12 Evlain Ayoub: 3/4  
 00:54:12 Peter Wilhelm: 7/16  
 00:54:13 Ashley Cusick: 9/16  
 00:54:14 Susan Robichaud: 9/16  
 00:54:15 Denise Quarles: 7/16  
 00:54:19 Herminio Planas: 7/16  
 00:54:20 Mark Phipps: 7/16  
 00:54:23 Jessica Yancey: 9/16  
 00:54:25 Beth Kolczak: 9/16  
 00:54:28 David Harris: 7/16  
 00:54:31 Enkelejda Limani: 3  
 00:54:32 Erica Burnison: 1/2+1/16  
 00:54:32 Katherine Garcia: 9/16  
 00:54:35 Amy Tucker: 3/4  
 00:54:35 Mohamed T: 3.25  
 00:54:37 Jennifer Hagman: 3/4  
 00:54:39 Jessica Yancey: 3/4  
 00:54:41 Jenny Sagrillo: 3/4  
 00:54:48 Clarissa Rothe: wow  
 00:54:52 Lenore Lofton: 3/4  
 00:54:53 Latasha Bryant: 9/24  
 00:54:54 Beth Kobett: COOL!  
 00:54:56 Beth Kolczak: Wow! Didn't see it as a missing piece  
 00:54:58 Aric Barnes: Wow!!!  
 00:55:12 Peter Omura: cool  
 00:55:13 Jessica Yancey: 3/5  
 00:55:19 Chelsey Scheidemann: This would be awesome for the "can you see"  
 routine  
 00:55:23 Lenore Lofton: nice  
 00:55:26 Katelyn Devine: wow  
 00:55:34 Amy Tucker: 3/5  
 00:55:46 Christine Tabor: How are people getting 9/16?  
 00:55:59 Mark Phipps: The green  
 00:56:04 Grace Vaught-Smith: 4x4 square  
 00:56:06 Elizabeth Ruiz: breaking each square into 4 parts  
 00:56:15 W Tad Johnston: got it  
 00:56:15 Amy Tucker: If the whole thing is 4x4, there are 9 shaded of the  
 4x4 square  
 00:56:15 Mark Phipps: 3/4 x 3  
 00:56:18 David Barnes: 2 and 1/4?  
 00:56:19 Christine Tabor: Oh wow!  
 00:56:19 Beth Kolczak: 9/16 - divide the whole into a 4x4  
 00:56:21 Konnie Guthrie: I hope the problems/ animations will be available.  
 00:56:24 Robyn Heath: the green is 2 1/4  
 00:56:33 Amy Tucker: Hey, Tad!!!!  
 00:56:52 Chelsey Scheidemann: Robyn - What is 1 whole? Help me see what

you're seeing

00:56:57 David Barnes: I love this statement!

00:57:00 Linda Gojak: It's all about connections!

00:57:16 Jessica Yancey: I always bring what we learn back to kindergarten math.

00:57:28 Linda Gojak: What students learn about whole numbers connects to what they do with fractions.

00:57:32 Clarissa Rothe: Jessica...me, too!

00:57:32 Evlain Ayoub: KWL charts help with this

00:57:32 Robyn Heath: @Chelsey, each of those bigger squares could be broken up into four smaller ones. There were 9 total green smaller squares, or  $9/4$ . Which is  $2 \frac{1}{4}$

00:57:47 Jessica Yancey: You knew how to add integers in kindergarten. You just only worked with positive numbers.

00:58:04 Chelsey Scheidemann: @Robyn, Awesome, I see it! Thanks!

00:58:15 Robyn Heath: @Chelsey, you're welcome!

00:58:17 Linda Gojak: Love that idea of recognizing relationships.... and we don't tend to help students too recognize those relationships.

00:58:37 Clarissa Rothe: lol

00:58:40 Shannon Henderson: haha

00:58:40 Richard Montgomery: HaHa

00:58:50 Kate Reardon: LOL

00:58:51 Stephenia Courtney: Ha

00:58:52 Beth Kobett: Hilarious!

00:58:55 Kristin Messenger: I love cheesy

00:59:00 Jessica Yancey: @clarissa, I say we're going back to kindergarten today! They always love it!

00:59:21 Linda Gojak: "I got it!" is always the most exciting thing I hear from students.

00:59:29 Faith Peddie: Wow, every slide resonates!

00:59:35 Beth Kobett: Agreed! Everyone does have a light!

00:59:40 Clarissa Rothe: @Jessica...lol

00:59:49 Evlain Ayoub: I love that moment

01:00:08 W Tad Johnston: need to help them find their switch, not just find their switch yourself

01:00:25 Amy Tucker: I love this problem. :) I have explored this with kids! :)

01:00:41 Randy Ross: same

01:00:45 W Tad Johnston: a good old chestnut

01:00:51 Amy Tucker: Hi, Tad.

01:01:01 Robyn Heath: same amount

01:01:03 Amy Tucker: We may have looked at this together a zillion years ago.

01:01:22 W Tad Johnston: Hi Amy! YOU may have looked at this with me :-)

01:01:31 Teresa Bulanda: depends on the volume of the container

01:01:34 Robyn Heath: I've done this scenario but with orange juice and apple juice

01:01:52 Amy Tucker: Probably, Tad! :D

01:01:54 Jessica Yancey: Proportionally or absolutely? Proportionally, it will depend on the initial conditions.

01:03:29 Linda Gojak: How do you think of these??? Wish our textbooks helped teachers to think this way...

01:03:47 W Tad Johnston: Absolutely :-)

01:03:59 Erica Burnison: Huge cards

01:04:00 Christine Tabor: I agree

01:04:39 Richard Montgomery: I'm so confused I need to go wash my hands!

01:04:47 Erica Burnison: black

01:04:55 JAcKy Rodes: I love how student perspective is relatable to all this

01:05:36 David Harris: isn't this going to develop into a horrible probability problem dependant on initial conditions

01:05:44 Evlain Ayoub: wonderful example

01:05:59 David Harris: But with be simpler in the syrup example

01:06:02 Jennifer Hagman: Always equal??

01:06:03 Robyn Heath: no matter what they will equal! I love this activity for student-inquiry

01:06:22 Christine Tabor: They will always be equal....this blows my mind!!

01:06:25 David Barnes: Every kid could do this experiment and ask what do you notice? Then ask the more important ... WHY?!

01:06:57 Linda Gojak: WOW!

01:07:06 Mary Carver: My students will love to do this and try to prove that this isn't ALWAYS going to happen.

01:07:09 Christina Tully: 🤔

01:07:11 Robyn Heath: Do you need an even number of total objects for this to work?

01:07:32 Mark Phipps: This is so good, I am unwilling to get a fresh beer

01:07:33 David Harris: Ha, I guess I misunderstood the question

01:07:36 David Barnes: @Robyn - what do you think?

01:07:37 Cynthia Bryant: Omgoodness!!! <3 this

01:07:47 Ellen Metzger: That is amazing!

01:07:59 Beth Kobett: hahah @MarkPhipps - what a testament! :)

01:08:03 Jennifer Hagman: @Robyn - thinking you just need to put back the same quantity as you took

01:08:03 Robyn Heath: I would reckon it wouldn't matter, but I am not sure without trying it out

01:08:03 Myra Collins: amazing

01:08:11 Sherita Wells McMillian: Geat example!

01:08:14 Jeff Shih: it's like a las vegas math show

01:08:17 Shawn Middleton: awesome

01:08:17 W Tad Johnston: This is hard one to verbalize in the continuous case. One can use a couple of variables with some subtraction built in :-)

01:08:19 Patrick Vennebush: I want to drink the syrup container with just a scoop of milk... YUM!

01:08:21 Stephenia Courtney: Mind blowing

01:08:23 Sherita Wells McMillian: great example

01:08:28 Beth Kobett: Fabulous!!!

01:08:33 Robert Berry: Absolutely love the Black and Red Card Metaphor

01:08:40 Amy Tucker: @Patrick I'll have the opposite glass. I like my chocolate milk very light.

01:08:44 Christine Tabor: Haha, Partick you must LOVE chocolate  
01:10:00 Patrick Vennebush: @Christine nope, I just dislike milk  
01:10:06 Patrick Vennebush: :-)  
01:10:20 Cynthia Bryant: I don't like chocolate or milk, so Patrick and Robert you can have mine.  
01:10:32 Melissa Luzano: IVT?  
01:10:34 Jessica Yancey: lol  
01:10:52 Michelle Morgan: That is the average over 2 hours.  
01:11:09 Richard Montgomery: speed trap  
01:11:34 W Tad Johnston: works for any non-negative value  $\leq 40$   
01:11:44 BillyJean Smith: your radar detector went off  
01:12:02 BillyJean Smith: or google reported police ahead  
01:12:14 Denise Quarles: I like the idea of interpreting the stories the graphs tell before launching into the problem..  
01:12:41 Robyn Heath: @denise I agree! especially for middle school students. It would help engage them more  
01:12:43 Peter Omura: I use this question and my kids explode.  
01:13:44 Erica Burnison:  
<https://www.nytimes.com/column/whats-going-on-in-this-graph>  
01:14:05 Konnie Guthrie: I used to have my students write a story to match a graph. Creativity is not what it used to be. I need to get back to that.  
01:14:28 David Barnes: The certificate for tonight's session can accessed at

[www.nctm.org/uploadedFiles/100-Days-Certificate-2020-04-14.pdf](http://www.nctm.org/uploadedFiles/100-Days-Certificate-2020-04-14.pdf)

01:14:36 Kamila Goldin: @Denise <http://www.graphingstories.com/>  
01:14:36 Erica Burnison: This link is to a site that gives lots of graph interpretation opportunities  
01:14:36 Robyn Heath: @Konnie, that is an awesome idea, thank you for sharing!  
01:14:59 Lenore Lofton: right  
01:15:01 Erica Burnison: Sorry, I shared the link above  
<https://www.nytimes.com/column/whats-going-on-in-this-graph>  
01:15:04 Faith Peddie:  
[www.nctm.org/uploadedFiles/100-Days-Certificate-2020-04-14.pdf](http://www.nctm.org/uploadedFiles/100-Days-Certificate-2020-04-14.pdf)  
01:16:15 Stephenia Courtney: This was AMAZING! SO EXCITED..Thank you!!!!!!  
01:16:28 Jennifer Hagman: OMGosh.. this is amazing. I can't believe it's already been an hour  
01:17:02 Robyn Heath: This has been one of the best webinars I have attended. Thank you so much for the engaging experience!  
01:17:10 Jeanine Colwell: thanks for the info erica  
01:17:20 David Barnes: The certificate for tonight's session can accessed at

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01:17:20 Lenore Lofton: I agree  
01:17:58 Sherita Wells McMillian: Hello Ms. Lofton  
01:18:02 Beth Kolczak: Such powerful points. I can't wait to share this

recording with EVERYONE, okay not everyone, but with many people! : )  
01:18:05 Jill Ethridge: This has been a very eye opening webinar. Thank you for sharing and igniting the sense of wonder.  
01:18:20 Stephenia Courtney: I miss taking your classes at UNLV Dr. Speer. You CAN'T RETIRE!!!!!! :-(  
01:18:22 Christina Roe: Did we find out about the reasoning of the shirt? I'm curious!  
01:18:30 Ellen Metzger: You can use the ruler placed at an angle to the edge of the paper  
01:18:32 Jeanine Colwell: I wish I could think metaphorically  
01:18:36 Jennifer Hagman: Not yet - I want to know about the shirt too :)  
01:18:39 Trena Wilkerson: So many great opportunities for noticing and wondering!  
01:18:44 Dawn Lybarger: This was great! Awesome webinar! Left me with a lot to think about! ☺  
01:18:49 Ellen Metzger: My father taught me that little trick!  
01:18:57 Faith Peddie: The certificate for tonight's session can accessed at

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01:19:03 Chelsey Scheidemann: OMG. My mind is blown  
01:19:04 Jennifer Suh: Did Dr. Speer talk about the Tide T-shirt? Did I miss that? I am wondering about that!  
01:19:12 JAcky Rodes: great webinar!!!!  
01:19:15 Jeanine Colwell: no he didn't  
01:19:21 Faith Peddie: A a recording of the presentation will be available tomorrow at [www.nctm.org/100](http://www.nctm.org/100)  
01:19:30 Faith Peddie: [www.nctm.org/100](http://www.nctm.org/100)\*  
01:19:39 Erica Burnison: any guesses about the shirt? Changing the tide?  
01:20:15 Beth Kobett: This is fabulous!  
01:20:44 Ellen Metzger: You have to assume the elastic is equally stretchy at all points along it  
01:20:45 Jonathan Bostic: As always, Bill shares fantastic ideas. Thank you Bill! Thank you NCTM!  
01:20:46 Clarissa Rothe: don't get swept by the tide?  
01:21:05 Erica Burnison: Going against the tide?  
01:21:20 Jennifer Suh: It's a metaphor for sure! :)  
01:21:44 Linda Gojak: Never disappointed about learning from Bill!  
01:22:17 Faith Peddie: YES! The Tide!  
01:22:17 Bina Kachwalla: Amazing learning Bill  
01:22:21 Bina Kachwalla: Thanks  
01:22:33 Jill Perry: Thank you!  
01:22:42 W Tad Johnston: I'm wondering if it's a metaphor or a simile? Is it the thing or is it like the thing?  
01:22:52 Peter Omura: This has been a wonderful webinar. Thank you so much!  
01:22:58 Jennifer Suh: LOVE IT!!!!  
01:22:59 Katelyn Devine: This was amazing! Thanks so much!  
01:23:00 Wendy Kraft: thank you so much!

01:23:02 LaTasha Whittington: thank you  
01:23:02 Daniel Irving: Thank you for the incredible presentation!  
01:23:02 Sharon Black-MacKinnon: Thank you so much!  
01:23:02 Clarissa Rothe: Wow! Thanks!!  
01:23:03 Annika Moore: Thank you  
01:23:03 Christina Craig: Thank you for everything!!  
01:23:03 Erica Burnison: Thank you Bill!  
01:23:03 Linda Gojak: You are...thank you so much!  
01:23:03 Michelle Morgan: THANKS!!!!  
01:23:04 Joy Jeter-Burns: thank you  
01:23:05 Robert Berry: Tide...Thank you so much  
01:23:05 Shannon Henderson: WOW - amazing seminar! Thank you!  
01:23:05 Katherine Garcia: Thank you!  
01:23:05 Denika Gum: What fun! Thank you!  
01:23:06 Kamila Goldin: THANK YOUU  
01:23:06 Beth Kolczak: Thank you!!  
01:23:06 Jessica Yancey: Thank you!!  
01:23:06 Kimberly Marshall: Thank you so much!  
01:23:06 Jen McFall: Thanks!  
01:23:06 Carole Castonguay: Thanks, I was happy to stay and would have  
stayed longer.  
01:23:06 Christina Siow Young: This was an awesome webinar!!!  
01:23:06 Ellen Metzger: Thank you – wonderful webinar!!  
01:23:06 Chi-Man Ng: Love. Love  
01:23:07 Chelsey Scheidemann: Thank you so so so much!  
01:23:07 Nicole Dollar: Thank you!!!  
01:23:07 Evlain Ayoub: Thank you, wonderful webinar!!  
01:23:07 Lesley Lynn: This was great! Thank you!!!  
01:23:07 Jennifer Hagman: This was amazing!  
01:23:07 Dawn Lockett: Bill you just crack me up all the time.  
01:23:07 Christine Tabor: You were AWESOME!  
01:23:08 Juanita Thomas: Thank you! I  
01:23:08 Robyn Heath: Thank you so much!!  
01:23:08 George Roy: Fabulous!  
01:23:08 Trena Wilkerson: Thank you Bill! Outstanding!  
01:23:08 Christin O'Keefe: Thank you! This was awesome  
01:23:09 Michael Minchella: Absolutely fantastic! Thank you!  
01:23:10 Danielle McReynolds-Dell: This was fabulous  
01:23:10 Patricia Drudy: Wonderful.  
01:23:10 Stephanie Burton: This was great  
01:23:10 Kendra Edwards: Thank you.  
01:23:11 Christina Roe: Thank you!  
01:23:11 W Tad Johnston: Bye all!  
01:23:11 Sharon Ling: Thank you!  
01:23:11 BillyJean Smith: incredible  
01:23:12 Patti Kleinhanzl: Thank you so much! It was wonderful!  
01:23:12 Shannon White: THANK YOU!  
01:23:12 Jennifer Heldenbrand: Many thanks!  
01:23:13 Angelica Johnson: Thank you...amazing!!!  
01:23:13 Jennifer Cornish: Thank you!

01:23:13 Lorie Huff: Great information @William Speer. Thank you Oscar,  
Dave, and NCTM!  
01:23:14 Brittany Lopez: Thank you for your time and expertise! This was  
fabulous!  
01:23:15 Richard Montgomery: Great lessons, old friend!  
01:23:15 Gloria Flores: Thank You  
01:23:15 Cynthia Bryant: Bill, this was GREAT!!!  
01:23:15 Denise Quarles: Awesome! Lots of food for thought and fun!  
01:23:16 Deborah Chapdelaine: Best session so far!!!  
01:23:16 Skip Fennell: Thanks Bill!  
01:23:16 Cheryl Conley: Thank you.  
01:23:16 Napoleon Sefordzi: Thank you prof.  
01:23:16 Kimberly Schott: Thank you!!!!  
01:23:16 Brenda McNeese: Thank you. great. Thanks NCTM  
01:23:17 Jennifer Wall: This was great! Thank you so much.  
01:23:17 Sophia Stier: Thank you  
01:23:17 Shawn Middleton: Was an awesome time! Thank you!  
01:23:18 Julian Embrey: Thank you!  
01:23:21 David Barnes: The certificate for tonight's session can accessed  
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01:23:21 Beth Kobett: Thank you so much!  
01:23:22 Beth Snoop: amazing; thanks!  
01:23:23 Madison McKindley: Thank you!!  
01:23:23 Aric Barnes: Thank you very much!! Very appreciative  
01:23:24 Deborah Chapdelaine: Thank you so much  
01:23:24 Hattie Meyer: Thank you!  
01:23:24 Lynette Pearce: Thank you  
01:23:24 Kristin Reedal: This was wonderful!  
01:23:24 Latasha Bryant: enjoyed it  
01:23:26 Barbara Manley: Thank you! I really enjoyed your presentation and  
learned some new strategies when I re-join my kids.  
01:23:27 Michelle Silvia: Thank you so much  
01:23:29 Jennifer Coe: AMAZING! Thank you so so much!  
01:23:29 dana dulzo: awesome.....my students would be engaged listening  
to you too  
01:23:30 Said Chatir: Awesome presentation  
01:23:31 Stephenia Courtney: PLEASE DON'T RETIRE!  
01:23:31 Sherita Wells McMillian: Great webinar  
01:23:33 Milagros Smith: Thank you! It was great!!!  
01:23:33 David Harris: Thankyou all  
01:23:38 Brian Odiwuor: Thank you so much professor  
01:23:38 Betty Powell: Thank you  
01:23:39 Cindy Luper: Thank you.  
01:23:40 JAcky Rodes: love that!!!! we are all new and improved and to  
tell the kids that is awesome, I wanna hang something like that in my classroom next  
year!  
01:23:40 Myra Collins: Thank you. I learned a lot but even better there is

a lot to reflect on. Wonderful session.

01:23:42 Juanita Thomas: Absolutely enjoyed the class!

01:23:42 Kelda Lewis: Thank you... that was a great hour of thinking.

01:23:43 Kate Reardon: You certainly are! Thank you

01:23:44 David Barnes: The certificate for tonight's session can accessed at

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01:23:46 Lenore Lofton: Thank you. This was a great lesson.

01:23:47 Konnie Guthrie: Thank you for sharing.

01:23:52 roya basu: Thank you

01:23:55 Mark Phipps: These first 9 days have been great. Today was certainly the best so far. Thank you!

01:23:55 Jessica Brown: Thank you! Enjoyed it!

01:23:57 Gloria Flores: Bye

01:23:57 Catherine Livesay: Thank you!

01:24:00 Christell Grace: Thanks.

01:24:07 Jessica Lysholm: Thank you!

01:24:11 Patricia Maia: thank you!

01:24:11 Ashley Cusick: Thanks!

01:24:12 Mary Carver: So much to think about! I loved this webinar. Thank you for sharing,

01:24:13 Joyce Meier: Thanks!

01:24:15 C Robertson: Thank you so much! I understood everything you you spoke about....I didn't feel lost at all!

01:24:16 Brenda McNeese: Thanks goodnight.

01:24:18 Latasha Bryant: thanks

01:24:19 Christine Tabor: Thank you for doing this for us teacher right now!

01:24:23 David Barnes: The certificate for tonight's session can accessed at

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01:24:24 Tracey Lamb: Thank you

01:24:36 Michelle Brylewski: I loved that! Thank you!!

01:24:42 Stephenia Courtney: TY

01:24:50 Shaneille Samuels: thank you

01:24:52 Stephenia Courtney: You too

01:24:53 Patiphath Tittha: thank you so much

01:24:56 Mark Phipps: Be safe