00:20:25 Stephanie Cifuentes: Yes
00:20:29 Carol Matsumoto: Hi from Winnipeg!
00:20:33 Cynthia Bryant: Hello from Springfield, MO.
00:20:34 Stephanie Cifuentes: Hello from Guatemala!
00:20:38 Amy Anderson: Hello from Seattle, WA!
00:20:47 Jessica Holden: hello from Middle Tennessee
00:20:48 Randy Ross: Hello from Mesa Arizona
00:20:49 Amy Smith: Hello from Marietta, GA
00:20:49 Lisa Kleven: Hello from Lake Stevens, WA
00:20:50 Lisa Owens: Hello from Cincinnati, Ohio
00:20:53 Sherry *Bovey: Hello from central Louisiana!
00:20:56 Joyce Meier: Hi from Crystal Lake, IL!
00:20:57 Kaitlin Sullivan: Hello from Memphis, Tennessee!
00:20:58 Jeff Shih: Hi from Las Vegas!
00:21:02 Betsy Raines: Hello from Richmond, VA
00:21:03 Ali Semanision: Hi from Los Alamos, NM
00:21:04 Valerie Sitzmann: Hello from Kingsley, Iowa!
00:21:06 Sarah Stephan: Hello from Reinbeck, Iowa
00:21:07 dana dulzo: hello from novi mi
00:21:09 Bill Shillito: Hello from Marietta, GA! :)
00:21:10 April Taylor: Hello from Idaho Falls Idaho
00:21:10 Hannah Nilsen: Hi from New Hampshire
00:21:10 Marlene Naquin: hello from Long Beach MS.
00:21:11 Alex Harrison: Starkville, MS
00:21:12 Robyn Heath: hello from Flagstaff, AZ!
00:21:13 Cindy Kim: Hello from Texas! HOWDY!
00:21:13 Michelle Webb: Hi I'm from Nashville TN
00:21:14 Diana Telders: Hello from Willapa Valley Washington
00:21:14 Ashley Staley: Hello, from las vegas
00:21:14 cindy elwood: Hi from Scarborough, Maine
00:21:14 Joan Kingsley: Hi from Wilmington, DE!
00:21:17 Jo Marie Spalla-Kopecky: Hi Everyone, from Chicago
00:21:17 Jenny Sagrillo: Hello from Milwaukee WI
00:21:18 Laura Beth Snoap: hello from michigan!
00:21:21 Chaitanya Mistry: Hello from Kingston, NY
00:21:24 Elisa Waingort: Hello from Calgary, Alberta, Canada
00:21:27 Stephenia Courtney: Hello from Las Vegas, NV
00:21:27 mikki cardella: Hello from las Vegas Nevada
00:21:27 Haydee Santino: Hi Haydee from the Bronx, NYC
00:21:28 Karen Walsh Fortin: Hello from Massachusetts
00:21:31 Angella Jones: Hello from Durham North Carolina
00:21:32 Jenn Brokofsky: Hi all from Saskatoon Saskatchewan Canada
00:21:32 Daniel Irving: Hello from North Providence, RI!
00:21:33 nicole Brazile: Hello from Los Angeles
00:21:34 Edward Beard: Ed Buffalo, NY stand up!
00:21:35 Megan: Hi from OHIO
00:21:36 Catherine Fey: Hi from Fitchburg MA
00:21:38 Jordan Reed: Hi Alex I see you! Hello everyone else from Mississippi!
00:21:39 Shannon Kealoha: Aloha from Maui, Hawaii!!

00:21:41 Bryony West: hi from New Zealand
00:21:43 Sara Kovach: Hi from WV
00:21:44 Patricia Drudy: Hello From Montclair NJ
00:21:44 Peter Duong: hi from Portland. OR
00:21:44 Myra Collins: Hi from Greentop, MO
00:21:44 Ingrid Lafalaise: Hello from Queens, NY
00:21:48 Bill Shillito: I'm just here because division by zero is my favorite math topic and I'd love to see how y'all are thinking of discussing it for grades 3-5. :)
00:21:49 Nadia Messadi: Hi from Fayetteville, Arkansas!
00:21:52 Deanna Richardson: Hello from Rapid City SD
00:21:57 Jennifer Shosho: Hello from Nebo, NC right outside Asheville
00:21:58 Danuta (Donna) Kucinski: Hello from a rainy Massachusetts.
00:22:01 Khristyne Means: hi from Prosser, WA
00:22:02 Christine Bendele: Hello from Hondo, TX
00:22:03 Mary Anne Opila: Hi, from Villanova, Pennsylvania
00:22:06 Amie Henry: Greetings from Arlington, WA
00:22:07 Reena Nancy Stephen Benjamin: hi
00:22:07 Michael Lanstrum: Hello from Cleveland, OH
00:22:08 Katie Cramer: Hi from Syracuse, NY
00:22:08 Dane Dwyer: Hello, from Wiscasset, Maine
00:22:09 Blanca Garcia: Hello! LP Az
00:22:12 Lindsey Cermak: Hello from MN!
00:22:25 Nicole Rigelman: Another hello for Portland, OR
00:22:26 Pamela Liegl: hi from Streator il
00:22:30 Rebecca Cross: Hello from Florida:)
00:22:48 Terri Davis: Hi from Richmond VA!
00:23:04 Joanmarie Kulinka: From Joan Kulinka in Virgina Beach, Va
00:23:05 Fran Huntoon: Hi, Fran from VT
00:23:07 Sharon Ling: Hi from NJ!
00:23:07 Gricelda Monroy: Hello from Chicago, 3rd grade teacher!
00:23:14 arafat rahman: Hello from NYC
00:23:17 Mandy Williamson: Hi from MS
00:23:19 Kim Ellis: hi from Winter Park FL
00:23:27 Jesse Taylor: Hi from Maryland!
00:23:31 Hank Kepner: hi, hank
00:23:37 Jennie Brown: Hi from Montgomery, Al
00:23:45 Cynthia Bryant: Hi Hank!
00:23:53 Jasmine Jackson: Hi from Texas
00:23:54 Rebecca Hill: Hi from Illinois! :)
00:24:01 Renee Cummins: Hi, from Neosho, MO
00:24:03 Carly Jardinier: Hello from MD!
00:24:09 Linda Himes: Hi from Walnut, CA
00:24:21 Christine Dewey: Hi from Fraser
00:24:39 Douglas Pittsnogle: Hello from Hagerstown, Maryland
00:24:53 Kimberly Rimbey: Hi all - Kim from Phoenix, AZ.
00:25:11 Tammy Crumble: hello from Tammy Crumble Fulton Ky
00:25:12 Juanita Merizalde: hello
00:25:18 Viviana Tambasco: Hello from Dallas, TX
00:25:34 Trena Wilkerson: I made it! Hello from Waco, TX!

00:26:00 mary dugas: hi! from lafayette la
00:26:14 Renee Cummins: A fellow BEAR!
00:26:30 Sheena Wilson: Hello from Philadelphia
00:26:48 Stephanie Bell: Hi from St Louis, MO
00:27:06 Kalee Alexandria: Anyone else from Olympia
00:27:27 Derrick Lewis: Hour west of Olympia
00:27:28 Robyn Heath: student teacher!
00:27:32 Lia Fitria: hai..from Aceh, Indonesia
00:27:35 PAVNEET BHARAJ: Graduate Student
00:27:39 Mica Harasek: Adminb
00:27:40 Kim Ellis: Adult High School
00:27:40 Kathy Dunkle: Math Support Specialist
00:27:42 Jet Yeung: hello everyone
00:27:42 Abby Roza: Adult Basic Education Teacher
00:27:42 Karen Stefanik: 6-8 inclusion
00:27:45 Terri Davis: I'm a K-5 Title I Math Specialist
00:27:46 Sharon Ling: Graduate student
00:27:47 Jennifer Shosho: EC Inclusion Teacher 2-5
00:27:47 Cheryl Lindeman: Teacher educator
00:27:48 Bill Shillito: Former high school teacher, current tutor, eventual college instructor hopefully
00:27:48 Brian Odiwuor: Grad student
00:27:48 Glen Widmer: Principal - former math teacher
00:27:49 Sheena Wilson: Academic Math Coach
00:27:50 Cynthia Montross-Tipa: TA K-5
00:27:52 Amanda Mills: Pre-service K-5 teacher from Kentucky
00:27:52 Sherry *Bovey: Certified 1-8 teacher, but I am a substitute teacher right now.
00:27:55 Elizabeth Devereaux: 5th -6th
00:27:55 Laura Beth Snoap: high school math, EL school
00:27:55 Lindsey Cermak: Adult Basic Education teacher
00:27:56 Michael Lanstrum: Communty College Staff
00:27:56 Danielle Asquino: ESE Support Facilitator for K - 3
00:27:57 Elizabeth Wallace: Teacher by training, Parent: SAHM now. Teach/tutor kids in math
00:27:59 Marlene Naquin: I teach pre-service teachers
00:28:00 Tania Zazulak: school psychologist
00:28:00 Sherita Wells McMillian: Hello from Alabama
00:28:02 Rebecca Hill: Instructional Math Coach
00:28:02 Maryann Stimmer: Sound is awful! Can you speak louder?
00:28:02 Nadia B: Paraprofessional
00:28:02 Bill Shillito: Oh and grad student
00:28:02 Myra Collins: RPDC Consultant
00:28:04 Cathy Battles: k-12 math
00:28:05 Lisa Kleven: Assistant Principal, former Math coach
00:28:08 Carly Jardinier: Adult Educator
00:28:08 mary dugas: adult efucation
00:28:09 Amy Anderson: online math specialist at Math for Middles
00:28:11 Apryl Carpenter: Apryl Carpenter from Goldsboro
00:28:16 JOHANNA JIMENEZ: Hello everyone, I am from Bogota, Colombia.

Teacher in 4th and 5th grade
00:28:22 James Sheldon: Phd Student in Teacher Education. (Also teach community college and grades 6-8)
00:28:27 Elizabeth Durrell: Retired for nearly 20 years from grades 3-5
00:28:27 Laura Wolfe: 3rd-5th Remediation
00:28:28 Renee Cummins: Instructional coach, from Neosho, MO
00:28:37 Jennie Brown: Math Specialist
00:28:39 Chaitanya Mistry: Assistant professor
00:28:41 Trena Wilkerson: Right Renee—Sic'Em Bears!
00:28:45 Ali Semanision: plus an electrical engineer (parent)
00:28:47 Douglas Pittsnogle: Adult Education - Correctional Ed.
00:29:12 Joanne Foster-Williams: Joanne Foster-Williams From North Carolina
00:29:14 dana dulzo: alternative high school math teacher
00:34:42 Deirdre Tyson: Zero property?
00:34:55 Jessica Holden: as well as the commutative property
00:35:06 Deirdre Tyson: true
00:35:51 Kim Ellis: I use that
00:36:16 Jessica Holden: I introduce identity and zero property when introducing these facts and connecting to commutative property an fact families. Is that developmentally appropriate for third and fourth grade? or is that an example of teaching a rule but they don't understand the meaning?
00:36:36 Joseph Bolz: We use that when 0 is under (in the denominator) its "under-fined" - as a memory device
00:36:51 Deirdre Tyson: I think that is appropriate if they understand what they mean
00:37:10 Bill Shillito: I'm fine with N/O and O/K as long as there's also been explanation and exploration.
00:37:12 Jordan Reed: And they can develop the name as skills are mastered
00:37:24 Bill Shillito: Mnemonics are great if they supplement understanding. Not if they replace it.
00:38:36 David Barnes: @Bill - I might say "support understanding." YES to no replacing it.
00:38:37 Terri Davis: How many groups?
00:38:39 Kim Ellis: how many groups will you have
00:38:40 arafat rahman: How many groups of three can we have?
00:38:40 Rebecca Hill: How many groups can I make
00:38:42 Jessica Holden: How many groups of three can we make?
00:38:44 Laura Wolfe: how many groups
00:38:45 Kaitlin Sullivan: Number of groups unknown
00:38:45 Jordan Reed: what is the whole
00:38:46 Mary Anne Opila: how many groups of 3 can i make
00:38:48 Christine Dewey: how many groups ?
00:38:49 Linda Himes: How many groups of three can I make?
00:38:49 Tabitha Shearer: How many groups of 3 can I make
00:38:49 Alex Harrison: How may groups of three can I make?
00:38:53 Karen Stefanik: how many times is the total divsible by 3
00:38:53 Cindy Kim: How many groups of three?
00:38:54 Elizabeth Devereaux: how many groups of three can I make
00:38:55 dana dulzo: how many equal groups
00:38:55 Bill Shillito: @David: Yeah, I like that word, "support"! I was

trying to come up with the right one.
00:38:55 Tiffanie Nealy: How many groups of 3 can be made?
00:38:57 Virginia Hill: how many groups of 3
00:38:58 JOHANNA JIMENEZ: How many groups of three, can we get?
00:38:59 Kalee Alexandria: agree how many groups
00:39:01 Michelle Haywood: how many groups of three do I have
00:39:01 Joanne Foster-Williams: How many groups can I make?
00:39:03 Joanmarie Kulinka: How many groups of 3 can I make
00:39:04 Alex Harrison: how many groups of 3?
00:39:14 Rebecca Hill: you have less than 3
00:39:15 Elizabeth Devereaux: until you no longer have a group of 3 left...
00:39:16 Bill Shillito: Until they're gone! :)
00:39:16 Robyn Heath: when do don’t have 3 left
00:39:16 Karen Walsh Fortin: when you have less than 3
00:39:18 Terri Davis: When they're all in groups.
00:39:18 Diana Telders: when you can no longer make groups of 3
00:39:19 Tiffanie Nealy: no more equal groups of 3 can be made
00:39:19 Michelle Morgan: When you cannot make anymore.
00:39:19 David Barnes: When you have less than 3 left
00:39:19 Virginia Hill: when you’re done
00:39:19 Nicole Thornton: when you run out
00:39:20 Sheena Wilson: When I can not make any more groups of 3
00:39:20 Simran Seehra: when you are left with nothing
00:39:20 Alex Harrison: how many groups with three cubes in it can I make?
00:39:21 Karla Gutierrez-Whitmire: when you run out
00:39:22 Rochelle Peasley: When you don't have enough to make another group
00:39:23 Christine Dewey: when there are 1 or 2 left.
00:39:23 Nadia Messadi: nothing left
00:39:23 Jessica Holden: if you say how many groups of three- its low floor high ceiling because some will make the connection to multiplication or division
00:39:28 Mary Anne Opila: when you have less than 3 left
00:39:28 Rebecca Cross: When you can't make anymore groups of 3.
00:39:28 dana dulzo: when you can't make a group of three
00:39:29 Nadia Messadi: its gone
00:39:35 Gwenetta Posey: When you use all the cubes
00:39:35 Virginia Hill: exhausted all the chocolate in groups of 3
00:39:36 Joanmarie Kulinka: when you have none left or can't make anymore groups of 3
00:39:37 Elizabeth Wallace: When there are no more groups of 3. There might be 1 or 2 left over
00:39:43 Alex Harrison: until you can not make a group of 3. the rest are remainders
00:39:45 Jessica Holden: nothing left and depending on the standard- on if there are equal groups and a remainder
00:39:56 Stephenia Courtney: you won't have enough left to take 3
00:40:19 Bill Shillito: ...who else wants chocolate now
00:40:23 Michelle Morgan: So, how many groups (measurement) and how many in one group (sharing)?

00:40:33 Sheena Wilson: all are gone
00:40:37 Bill Shillito: When there's nothing left to share
00:40:42 Diana Telders: when you can no longer make equal groups
00:40:43 hanayo hattori: when there are less than 10 left
00:40:45 Robyn Heath: can’t evenly distribute anymore
00:40:48 Terri Davis: When there are less than 3.
00:40:48 Mark Phipps: Stomach ache
00:40:48 JOHANNA JIMENEZ: when all are taked.
00:40:48 David Barnes: When there are not 3 left.
00:40:49 Stephenia Courtney: nothing left
00:40:51 Gwenetta Posey: I want chocolate right now
00:40:52 Carole Castonguay: How many in each group?
00:40:53 shaneille: when we all have equal share and nothing left
00:40:54 Joanne Foster-Williams: nothing is left
00:40:56 Terri Davis: How many in each group?
00:40:56 Michelle Morgan: How many in one group?
00:41:01 David Barnes: How many in each group?
00:41:01 Diana Telders: how much is in each group
00:41:02 Sheena Wilson: How many will each person get
00:41:02 Rebecca Hill: how many in each group?
00:41:05 Cindy Kim: How many each person get?
00:41:06 Tiffanie Nealy: how many will each get
00:41:11 Elizabeth Wallace: How many chocolates does each child ge
00:41:11 Rebecca Cross: How many will each person get?
00:41:27 Gwenetta Posey: How many can I have?
00:41:29 Kaitlin Sullivan: Group size unknown vs. Number of groups unknown
00:43:06 Diana Telders: 39/3 = ?
00:43:16 Fran Huntoon: 18 cookies to share among 3 people
00:43:36 Nadia Messadi: 18 apples and three friends
00:43:40 Catherine Smith: 3 friend share 18 pokemon cards
00:43:41 Elizabeth Wallace: There are 18 brownies. How many brownies can each child get if there are 3 children sharing the brownies equally.
00:43:49 Diana Telders: 18 students put into 3 groups
00:43:55 Catherine Smith: divide by creating 3 equal groups
00:43:59 Jennifer Shosho: 18 jellybeans and three friends
00:44:04 Michelle Brylewski: I have 18 cookies and I want to give them to my 3 kids. How many cookies will each kid get?
00:44:08 Bill Shillito: I bought a pack of 18 pencils to give to 3 of my students. How many should I give to each student so all the students get the same number of pencils?
00:44:09 Jordan Reed: There are 18 brownies. Shellie and two of her friends want to share the brownies. How many brownies does each person get?
00:44:10 Robyn Heath: I have 18 cookies. I want to share them evenly with my two siblings. How can I split it evenly between the three of us?
00:44:14 Kaitlin Sullivan: Juan has 18 Legos. He needs 3 Legos to make a car. How many Lego cars can Juan make?
00:44:15 Jessica Holden: i have 18 pieces of chalk. I want to divide it between Catherine and 2 friends. How many will each person get?
00:44:19 Tiffanie Nealy: Tiffanie has 18 cookies. She wants to make 3 gift

baskets of cookies. How many cookies will be in each basket?
00:44:22	Sherita Wells McMillian:	There are 18 crayons. There are 3 groups of children. How many crayons will each group get?
00:44:23	Catherine Smith:	18 pokemon cards, 3 in bag. How many bags will there be?
00:44:24	Hannah Nilsen:	My 3 friends have 18 marbles that they want to share equally. How many marbles would each one get?
00:44:25	Rebecca Cross:	I have 18 hair bands. I want to share my hair bands with myself and 2 friends. How many hair bands will each of us get?
00:44:26	shaneille:	John has 18 chocolates and decided to share them amongst himself and his two siblings. how many chocolates would each person get?
00:44:29	Diane Reece:	I have 18 pennies and I will give Carol and her two friends and equal amount. How many will each person get?
00:44:32	Michelle Haywood:	I have 18 eggs to share with 3 friends. How many eggs will each friend get?
00:44:35	Joseph Bolz:	The teacher has 18 stars to give out. She will give out three per student. How many students will get stars?
00:44:36	Mary Anne Opila:	Jane has 18 cookies. Jane wants to share the cookies with her 3 friends. How many cookies will each person get?
00:44:37	Diana Telders:	There are 18 students in a class and they are working in groups of 3 for a science project. How many groups are there?
00:44:38	arafat rahman:	How can we equally divide 18 candies among 3 friends?
00:44:41	Nicole Thornton:	Maria has 18 jelly beans. She wants to share them between herself, her brother and sister equally. How many jelly beans will each person get?
00:44:42	Fran Huntoon:	I have 18 peanuts. I want to put three in each dish. How many dishes do I need?
00:44:44	Rebecca Hill:	Easter Bunny has 18 chocolate eggs. The Easter Bunny leaves 3 eggs per child. How many children can get chocolate eggs?
00:44:45	Derrick Lewis:	There are 18 crayons. How can we split them so 3 people get an equal number of crayons?
00:44:45	Jesse Taylor:	Jose has 18 dog treats to give his 3 dogs. How many treats will one dog get?
00:44:46	Brandi Dailey:	Macy has 18 Easter eggs filled with candies. She wants to eat her candies over the next 3 days. How many candies will she get to eat each day?
00:44:48	Bill Shillito:	Important thing I'm noticing here: It's important that the question imply that all people should receive the same amount.
00:44:50	Michelle Fox:	Mom just baked 18 cookies for her three sons. How many cookies will each son get if they are split up equally?
00:44:51	Jeff Shih:	Carol has 18 KitKat bars. She wants to give them to three Board members so that each Board Member gets the same amount? How many KitKat bars does each Board Member get?
00:44:54	Simran Seehra:	Terry has 12 cookies. He has three friends. How many cookies will each friend get?
00:44:56	Karen Walsh Fortin:	I have 18 books. I want to divide them among my three kids. How many books does each child get?
00:44:58	Elizabeth Devereaux:	Janiyah has 18 bows. She and her two friends each get the same amount. How many do they each get?

00:45:01 Denise Quarles: Ruby has 18 peeps. She wants to divide them evenly between her and two friends. How many do each of them get?
00:45:02 Haydee Santino: I have 18 pencils. I want to share with my two brothers.
00:45:02 Carole Castonguay: There are 18 students ready to play a team game. three teams are needed. How many players will be on each team?
00:45:02 Joanmarie Kulinka: From Joan Kulinka I have 20 marbles and made 4 groups how many are in each group.
00:45:04 dana dulzo: John has 12 muffins. He wants to share the muffins with 3 friends. How many muffins will each friend have?
00:45:05 mikki cardella: Michael has 21 pieces of candy. He wants to share his candy with 7 of his friends, how many pieces of candy will each of Michael's friends receive?
00:45:07 Taylor Olson: I have 18 pencils. I want to put them into three different pencil holders. How many will be in each pencil holder?
00:45:09 Tunisia Waller: Jon has 18 skittles. He wants to share with two friends. How many skittles will each person get?
00:45:13 Stephanie Bell: Stephanie has 18 Oreo cookies to share with her 2 sisters. How many cookies will each get?
00:45:14 David Barnes: The Easter Bunny left 18 chocolate eggs for three kids. How many eggs did each get?
00:45:15 Lisa Owens: Chris and his 2 friends have 18 pieces of candy. They want to share it equally. How much will each person get?
00:45:16 Meghan Daniel: There are 18 people going to a concert. There are 3 cars. How many people will need to ride in each car?
00:45:19 Joyce Meier: There are 18 dollars for allowance and 3 siblings. How much money will each sibling get if they get an equal amount?
00:45:19 Pamela Bright: I have 21 cookies, how many will 3 kids get one if everyone gets an equal amount?
00:45:21 Kalee Alexandria: Ari walked 18 miles each day. If he walked the same number of miles each day, howmany miles did he walk per day?
00:45:21 erika edris: I have 18 Oeos. I want to divide them among 3 baggies. How many Oreos can I put in each baggie if I put the same amount in each bag?
00:45:23 Tabitha Babin: Blake has 18 cookies to share with two friends. How many cookies does each person get?
00:45:23 Virginia Hill: Vicky has 18 bottles of hand sanitizer. She wants to organize the bottles in 3 rows. how many bottles will run each row?
00:45:24 Laura Beth Snoap: Joe has 18 socks. How many different groups of three socks can he make?
00:45:25 nicole Brazile: There are 3 children in my family. Each child wants to share 18 dollars equally. How many dollars will each child get.?
00:45:25 Joanne Foster-Williams: Share 27 plums among 4 friends
00:45:26 Laura Wolfe: There are 18 jellybeans. Three friends share the 18 beans equally. How many jellybeans will each friend get?
00:45:27 Elizabeth Durrell: There are 18 dogs. Each person has 3 dogs. How many people are there?
00:45:34 Patricia Neil: I have 12 cookies. I have 3 friends, How many cookies will each friend get.
00:45:36 Catherine Fey: Maria has 18 cookies. She wants to share them with

two of her friends. How many cookies will each person have if Maria divides them equally between herself and her two friends?
00:45:37	Kathleen Bulmer:	I have 18 Oreos. I want to share them evenly betewwn 3 friends. How many cookies will each friend get?
00:45:38	Angella Jones: Ms. Smith has 18 pieces of candies to share with 3 students. She want each students to have the same amount. How many pieces of candies did each student get?
00:45:39	Jalyn Kelley: There are 18 m&m's in the pile how can we equally share them between 3 friends?
00:45:41	Susan Balcerski:	There are 18 Easter eggs. Three children shared them equally. How may eggs did each child get?
00:45:46	Alma Vital-Abers:	I hid 18 Easter eggs. There were 3 children at the hunt. How many Easter eggs did each child find equally?
00:45:51	Sara Kovach: I have 20 books and I want to share them with 5 friends. How many books will each friend get?
00:45:59	Bill Shillito: This sounds like a division problem lol
00:45:59	Virginia Hill: Vicky has 18 bottles of hand sanitizer. She wants to organize the bottles in 3 rows. How many bottles will be in each row?
00:46:01	Amanda Mills: Jan has 18 pencils. She and two other friends want to split them up. How many pencils will each person get?
00:46:07	Tammy Crumble: Bob has 20 candy kanes if he share with 4 friends how many will each have?
00:46:12	Sharon Ling: Four siblings want to share 15 cookies. How many cookies does each sibling get?
00:46:14	Chantel Lewis: Sharon has 18 pencils. She wants to split these equally between her 3 students. How many pencils will each student get?
00:46:17	Robyn Heath: This happened in my last zoom webinar!
00:46:21	Stephenia Courtney: Marie hasno
00:46:24	Marlene Naquin: There are 18 carrots. Three rabbits want to share the carrots equally , How many carrots would each rabbit get.
00:46:24	Cindy Kim:	I heard that breakout rooms are capped at 200 people.
00:46:27	ROER SHONDA: Aubrey has 18 Skittles. She is going to give each of her friends 3 skittles. How many friends did she share with?
00:46:29	Jasmine Jackson:	The area of a rectangle is 18 square inches. If the length of the rectangle is 3 inches, what is the width in inches?
00:46:31	Maria Dahlin: Nate has 6 candy bars. He wants to give his friends 2 candy bars. How many friends get a candy bar?
00:46:32	Catherine Fey: That was a Zoom measurement problem!
00:46:43	Theresa Correll:	Lily has 18 eggs. She needs to share these with her mom and dad. How many eggs did everyone get? Sharing question
00:46:47	Denise Quarles: There are 18 people at an NCTM session. The organizer wants to divide them into three even break out groups. How many people are in each group>
00:46:49	Hannah Beard: I have 18 pieces of candy, I want to share with the candy between myself and 2 friends, how many pieces of candy do we each get?
00:46:50	nicole Brazile: lol
00:46:52	Michelle Morgan:	@CatherineFey LOL
00:46:54	Pauline Mills: I have 18 dresses. I would like to give my dresses to three girls. How many dresses will each girl get?

00:46:55 Abby Roza: The cook has 18 eggs. They will put 3 in each custard. How many can she make?
00:46:56 Cynthia Bryant: Love that Catherine!
00:46:58 A. Bazilio: Yeah! A zoom measurement problem!
00:47:01 Amanda Mills: Nice
00:47:03 Elisa Waingort: I have 18 cherries and want to share it with my husband and son. How many cherries do each of us get?
00:47:05 Jenny Sagrillo: I have 18 participants on Zoom and I want to put 3 people in each group. How may groups do I need?
00:47:08 Terri Davis: There are 18 students in Math class. They will work in groups of 3 and each needs a whiteboard. How many whiteboards should the teacher have ready?
00:47:10 Rochelle Peasley: I have 18 pieces of candy. I want to put 3 pieces in each plastic egg. How many eggs can I fill?
00:47:11 Kelda Lewis: I want to share my 18 chocolate easter eggs with my two BFF's. How many eggs will we each get to eat?
00:47:23 Sheena Wilson: Susan has 15 jump ropes for sale. She want to put them in packages of 3. How many packages of jump ropes does she have for sale?
00:48:00 Deirdre Tyson: Ms. Tyson ran a total of 18 miles over 3 days. She ran an equal amount of miles each day. How many miles did she run each day?
00:48:15 Cynthia Bryant: I have 18 seeds. I want to plant 3 seeds in each hole in my garden. How many bean holes can I plant 3 seeds in?
00:49:29 hoang nguyen: There are 18 candles for 3 rooms. How many candles are there in each room?
00:49:44 Virginia Hill: sharing- you would have 3 bags
00:49:47 Elizabeth Devereaux: I did sharing! Thank you for the clarification!!!
00:50:00 Stephenia Courtney: Marie has 18 muffins. She wants to give 3 of her students the same number of muffins. How many muffins will eac student get?
00:50:06 Virginia Hill: number of bags is the number of groups
00:50:47 Renee Cummins: yes
00:50:47 Jorge Veloso: We have 18 eggs and some baskets. As we know from previous experiences, for the eggs not to break and for saving the baskets, there must three eggs in each basket. So, how many baskets do we need do distribute de eggs? This is the measurement sense.
00:50:49 Stephanie Bell: yes
00:50:54 Elizabeth Devereaux: yes
00:51:01 Michelle Morgan: Yes. There was a participant with their mic on.
00:52:40 Catherine Fey: sharing
00:52:41 Brandi Dailey: measurement
00:52:42 Jordan Reed: sharing
00:52:43 nicole Brazile: sharing
00:52:43 erika edris: sharing
00:52:43 Derrick Lewis: sharing
00:52:44 Diana Telders: measurement
00:52:45 Tania Zazulak: sharing
00:52:45 shaneille: measurement
00:52:46 Carly Jardinier: measurement
00:52:47 Karen Stefanik: sharing

00:52:48 Karen Walsh Fortin: I wrote both
00:52:49 Jesse Taylor: sharing
00:52:49 Joanne Foster-Williams: Sharing
00:52:50 dana dulzo: sharing question
00:52:51 Denise Quarles: sharing
00:52:55 Juanita Merizalde: sharing
00:52:57 Chaitanya Mistry: measurement
00:52:57 Rebecca Hill: Measurement
00:53:03 Stephanie Bell: sharing
00:53:04 Michelle Haywood: sharing
00:53:06 Randy Ross: Both
00:53:18 hoang nguyen: sharing
00:53:22 Elizabeth Durrell: Measurement
00:53:22 Tabitha Shearer: sharing.
00:53:26 Jorge Veloso: In my case, measurement.
00:53:28 Juanita Merizalde: it is a little difficult to write measuring one!
00:53:30 Jennifer Grubbs: sharing
00:53:56 Jalyn Kelley: sharing
00:54:09 Cynthia Bryant: Measurement
00:54:27 Fran Huntoon: Sharing or partitive is typically students' first introduction to division
00:54:33 Apryl Carpenter: Measurement problems seem a little more challenging.
00:54:51 Fran Huntoon: measurement is modeled by serial subtraction
00:54:53 Apryl Carpenter: to create
00:55:37 Marlene Naquin: I need to walk 18 miles in one week. I can walk 3 miles a day. How many days would it take to run the 18 miles
00:56:07 Stephenia Courtney: Sharing
00:56:27 Mark Phipps: This modification to zero fits my recent exercise habits
00:58:02 Melinda Fleischer: Joann keeps talking about chocolate so now I'm eating chocolates :)
00:58:30 Cynthia Bryant: We'll all need to exercise following this session.
00:58:38 Elizabeth Wallace: Have you ever asked Siri: What is zero divided by zero? It's awesome!
00:58:40 A. Bazilio: I'm so tempted to get chocolates!
00:58:48 Elizabeth Hallahan: wish I had Easter chocolates now!!!
00:59:13 Gwenetta Posey: I am eating chocolate now!!!
00:59:24 Elizabeth Hallahan: don't dare risk going out though.
00:59:38 Kimberly Rimbey: The Siri answer IS awesome…thank you for that!!!
01:00:00 Diana Telders: I think I'll have to make some hot cocoa when this is done.
01:00:22 Bill Shillito: As many as you want. :)
01:00:25 Mark Phipps: The sharing answer is 0 because I may have eaten them all.
01:00:26 Ali Semanision: infinite
01:00:31 Derrick Lewis: No answer
01:00:35 Gwenetta Posey: None

01:00:36 Michelle Haywood: zero
01:00:40 Randy Ross: infinitely many
01:00:43 Nadia Messadi: none
01:00:46 Blanca Garcia: i got outfit
01:00:47 JOHANNA JIMENEZ: I don't like share my chocolates, so the división doesn´t exist.
01:00:51 Peter Duong: infinite
01:00:54 Elizabeth Wallace: infinite
01:00:55 Bill Shillito: Second question doesn't make sense. But "infinitely many" is a sensible answer to the first one.
01:00:57 Diana Telders: None, because I there are 0 friends...
01:01:01 Diana Telders: it sounds sad that way
01:01:04 Elizabeth Devereaux: I did a million Measurement with 2nd graders and when I did 4th I did a million Sharing. I recall 2nd graders blank stares when I did the sharing.. do you have any pedagogical insights?
01:01:07 Rebecca Hill: all of them.
01:01:08 Denise Quarles: I can see the potential in sharing for children to think that is the same as 18 chocolates as in 18/1
01:01:10 David Barnes: As many bags as you like?
01:01:17 shaneille: it is like blowing air in a bag for measurment
01:01:20 Apryl Carpenter: as many as ou want
01:01:23 Haydee Santino: as many
01:01:23 Catherine Fey: an infinite number of bags...unless I *have* to use the 18 chocolates then I'm in error
01:01:23 Amy Rushall: as many as they want
01:01:47 Tammy Crumble: how many that would be equal
01:02:34 Carole Castonguay: There are infinitely many answers.
01:03:25 Jayne Breton: Its telling me that " the host has opened Breakout Rooms. Please wait to be assigned"
01:04:17 Deirdre Murphy: no invite or movement
01:04:27 Sherita Wells McMillian: right
01:05:02 Tiffanie Nealy: That was cool!!! Had not done breakout with Zoom before!!!Thanks for the experience
01:05:15 Bill Shillito: it worked! Yay!
01:05:24 Bill Shillito: THank you Chonda! :D
01:05:31 Terri Davis: I want to learn how to do breakout sessions! Very cool!
01:05:44 Blanca Garcia: me too
01:05:46 Sheena Wilson: 18
01:05:50 Catherine Fey: my colleague in breakout made the point: "You can't do anything"
01:05:51 Blanca Garcia: that was cool
01:05:57 Gwenetta Posey: zero
01:06:02 Elizabeth Wallace: Thanks group!
01:06:09 Julie Horn: infintely many times
01:06:14 Sheena Wilson: put I can use as many bags as I want
01:06:28 Michelle Haywood: The breakout group was fun and informative!
01:06:28 Juanita Merizalde: ok
01:06:34 Robyn Heath: yes
01:06:35 Kim Ellis: yes

01:06:44 Cynthia Bryant: We can see you, but not your slides
01:06:45 Ryan Rexer: The bag one is making more sense to me than the friend one atm
01:06:59 Renee Cummins: Can anyone see the slides?
01:07:02 Terri Davis: Are we supposed to be seeing your document camera? I just see you.
01:07:09 Gricelda Monroy: We can not see the ppt just presentor
01:07:11 Tiffanie Nealy: I can only see us
01:07:13 Bill Shillito: Agreed, we can't see your slides ... I think you need to screenshare again
01:07:15 Rebecca Hill: can you reshare your screen, please?
01:07:17 Derrick Lewis: I didn't love the friend one.
01:07:23 Nadia Messadi: are you sharing your screen?
01:07:29 Michelle Haywood: No I cannot see any slides only the presenter
01:07:31 Jessica Holden: the bag one makes sense, especially with the modeling of opening a bag and putting nothing inside. very real world and meaningful.
01:07:36 Cindy Kim: Will you share your screen?
01:07:39 Stephenia Courtney: No
01:07:40 Tammy Crumble: cannt see slides
01:07:42 Gricelda Monroy: no doc camera
01:07:43 Mary Anne Opila: no
01:07:44 Cindy Kim: No
01:07:48 Terri Davis: Not since the breakout
01:07:54 Theresa Correll: and everyone:)
01:08:03 Cynthia Bryant: We are still not seeing your doc camera
01:08:19 Linda Himes: When you come back from a breakout, you have to restart the sharing.
01:08:20 Terri Davis: Still not seeing the presentation
01:08:26 Nadia Messadi: we still cant see the sceen
01:08:45 Cheryl Chanaiwa: For the partitive (sharing) problem, you may ask students to make 0 groups. It is not possible. There is always at least 1 group.
01:08:57 Karen Walsh Fortin: no presentation right now. It’s a discussion.
01:08:59 hoang nguyen: I cannot see the presentation
01:09:25 Jet Yeung: cannot see presentation
01:09:33 Kim Ellis: reshare
01:09:42 Nadia Messadi: Beth Kobett, I loved your zoom
01:09:46 Catherine Fey: Don't we have zero bags?, we can't make an infinite number
01:09:52 Elizabeth Devereaux: Using zero (infinity and no people) is good for numberless word problems introducing (reinforcing) this concept. Do I understand this correctly?
01:09:55 Beth Kobett: @nadia thank you!!!
01:10:11 Bill Shillito: Nope
01:10:18 Stephenia Courtney: no
01:10:23 Tabitha Shearer: no
01:10:32 Michelle Haywood: no
01:10:35 Jessica Holden: rahmattullah for the win! You're awesome helping

out. :)
01:10:38 Elizabeth Devereaux: been since breakout -
01:10:42 Rebecca Hill: YES!
01:10:44 Tabitha Shearer: yay!!
01:10:50 Terri Davis: Eureka!
01:10:51 Diana Telders: woot woot!
01:10:55 Christine Dewey: 👏👏👏👏👏
01:10:56 Michelle Haywood: yes!!!!
01:10:58 hoang nguyen: yeah!
01:11:10 Beth Kobett: This looks great! I also love seeing everyone's beautiful faces!
01:11:20 Bill Shillito: Interesting question: WHY isn't infinity a number?
01:11:26 Jen McFall: No worries! We are all learning how to navigate. I loved the break out rooms.
01:11:46 Abby Roza: @Elizabeth Déverbaux, I like the idea of numberless word problems to here.
01:11:47 Bill Shillito: (That's a rabbit hole and we don't have to go down it for now obviously, but it's worth pondering)
01:11:50 Jessica Holden: im also floored infinity isn't a number. my mind is blown!
01:12:03 Gwenetta Posey: Loved the breakout room
01:12:06 Bill Shillito: (Personally I say infinity *is* a number, it's just not a so-called "real number")
01:12:11 Diana Telders: infinity isn't a specific number because it the possibility of all numbers, large and small, at the same time.
01:12:18 Amanda Mills: I guess because infinity isn't technically quantifiable number-wise??? idk not a huge math person
01:12:21 Diana Telders: *it is
01:12:23 Catherine Fey: We can't make bags forever...we have zero bags to begin with
01:12:23 Beth Kobett: Oooh - numberless word problems - what a great way to explore the contexts.
01:12:32 Cynthia Bryant: Yes, the breakout room was great!
01:12:45 Randy Ross: The answer is so large it cannot be defined, that is why dividing by zero is undefined. zero slope is undefined!
01:12:47 Bill Shillito: But regardless I'm loving the discussion
01:12:51 Pamela Liegl: kept all your chocolates!
01:12:53 Michael Lanstrum: There are different levels of infinity.
01:12:55 Marlene Naquin: you cannot break into 0 groups
01:13:03 Jennifer Shosho: Numberless word problems and role playing would be great for this one
01:13:08 Diana Telders: infinite largeness AND infinite smallness.
01:13:13 David Barnes: Infinity is not a real number, counting number, or a whole number.
01:13:21 mary dugas: makes a great story
01:13:34 Ryan Rexer: I got here late unfortunately, but brilliant topic for a session. Well done
01:13:36 Juanita Merizalde: Great thanks for the amazing explanation not only about zero but about division!
01:13:43 Bill Shillito: David: Neither is the square root of -1. ;)

01:13:45 Deanna Richardson: This will be a great conversation to have with students.
01:13:46 Elizabeth Devereaux: I see that I didn't consistently anticipate all student's differing ways of approaching zero
01:13:50 Terri Davis: I like taking a solved division story and changing one of the numbers to 0 to explore the other equations.
01:13:55 Kim Ellis: You could always say you can't check the answer with multiplication.
01:13:55 Chonda Long:
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01:14:03 Elizabeth Wallace: Could we have access to these slides? This is great!
01:14:03 Gricelda Monroy: context is key
01:14:11 Ryan Rexer: That Sharing dividing by 0 is going to haunt me
01:14:11 David Barnes: I like that students are thinking about their own thinking.
01:14:12 Claude Ricks: Thanks for the examples!
01:14:14 Mardi Gale: Context is always best
01:14:22 Chonda Long: Here is the certificate of participation - https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/100-Days-Certificate-2020-04-13.pdf
01:14:30 David Barnes: Students are engaged in their own sense making.
01:14:31 Apryl Carpenter: I appreciate your visuals. I need those. The breakout was great!
01:14:43 Stephanie Bell: Thank you
01:14:48 Valerie Sitzmann: I loved the breakout!!!
01:14:52 Bill Shillito: Metacognition = <3
01:14:54 Chonda Long: Here is the certificate of participation - https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/100-Days-Certificate-2020-04-13.pdf
01:14:54 Renee Cummins: Thank you so much for your time. I loved the breakout sessions.
01:15:02 Fran Huntoon: Isn’t the zero property for addition?
01:15:07 Cindy Kim: Take away + make meaning - context is EVERYTHING in Math!
01:15:11 Trena Wilkerson: Thank you Joann!
01:15:19 Cynthia Bryant: Thank you Joann. Great job!
01:15:20 Cindy Kim: Thank you!
01:15:25 Terri Davis: Thank you Joann!
01:15:32 Jalyn Kelley: THX!!
01:15:37 Monica Rivera: Thank you! Excellent
01:15:41 hoang nguyen: Thank you!
01:15:43 Gwenetta Posey: Thank you!!!
01:15:44 Diane Reece: I love this example and I will use it in my classroom! thank you.
01:15:48 Elizabeth Devereaux: Love the strong pictorial lesson you shared. Thank you!
01:15:50 David Barnes: @Bill, That too!

01:15:56 Ma. Donata Radaza: Ms. Chonda, can we possibly go back to the powerpoint before Ms. Barnett's email. I want to see the rule.
01:15:57 Tammy Crumble: Thanks I loved the break out room
01:16:00 Danuta (Donna) Kucinski: Thank you
01:16:03 Renee Cummins: Anytime you can use a concrete example it benefits learning.
01:16:03 Angela Franco: I love the contextual understanding vs. shortcuts
01:16:05 Chaitanya Mistry: Thanks
01:16:06 Ali Semanision: I can’t wait to use this in a Number Talk!
01:16:07 Jennifer Shosho: Thank you Joann.. and now to get some chocolate ;) Great way to apply CRA
01:16:09 Chonda Long: The certificate it blank, you will have to fill in your name. Copy and paste it into your browser - Here is the certificate of participation - https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/100-Days-Certificate-2020-04-13.pdf
01:16:14 Bill Shillito: I'd like to ask a question
01:16:14 Simran Seehra: thank you for the information!
01:16:17 April Taylor: Thank - You! Can't wait to use.
01:16:19 Ryan Rexer: There is a zero property for addition and for multiplication
01:16:19 Jet Yeung: thank you. I will use it in my classroom
01:16:22 Sarah Stephan: Thank you. Great way for students to understand why dividing by zero doesn't work.
01:16:23 A. Bazilio: Thank you
01:16:25 mikki cardella: thank you so much.
01:16:31 Rebecca Cross: Thank you!
01:16:36 Laura Wolfe: I love this! This is the way we present concepts with CGI.
01:16:37 dana dulzo: thank you for the explanations
01:16:38 Deanna Richardson: Thank you! I can't wait to use this.
01:16:38 Douglas Pittsnogle: The only way to keep it from being abstract or just telling the students, "Well, that's the rule," we need the context of the word problem albeit simple. Actually, it's awesome that it is simple.
01:16:41 Sherry *Bovey: I always say that you can't divide 18 into 0 groups.
01:16:46 Lia Fitria: thank you
01:16:59 Monica Maddox: Thank you
01:17:03 Terri Davis: Yes, Fran, zero property is for addition and for multiplication.
01:17:05 Sheena Wilson: Thank You
01:17:12 Fran Huntoon: Thanks
01:17:13 Megan: Thanks
01:17:16 Nadia Messadi: thank you
01:17:19 Stephenia Courtney: inverse operations
01:17:27 Apryl Carpenter: Thank you!
01:17:40 Abby Roza: Thank you for the session.
01:17:41 Pamela Bright: A different approach.
01:17:42 Dorothy Annette Holloway: Thank you!
01:17:46 David Barnes: Thanks Kurt!
01:17:49 linda boucher: Thank you

01:17:53 Karen Walsh Fortin: Thank you!
01:18:02 Mark Phipps: Thank you for your presentation today! Well done.
01:18:03 Mardi Gale: This lesson would be great at middle school and in algebra classes. Or at a cocktail party :)
01:18:04 cindy elwood: Thank you.
01:18:06 Jennifer Ginger: Thank you!
01:18:13 Carol Matsumoto: Thank you Joann for presenting. Thank you Susie and Chonda for hosting.
01:18:13 Nadia Messadi: Thank you
01:18:24 Kim Ellis: Thank you Joann
01:18:26 Mary Anne Opila: Thank you for this session.
01:18:37 Sherry *Bovey: Thank you so much, and thank you NCTM.
01:18:46 Carole Castonguay: Thanks so much.
01:18:48 Haydee Santino: Thank you so much!
01:18:52 Maria Rodriguez: I can teach it to my second graders!
01:18:56 Joanne Foster-Williams: Thank you.
01:19:10 Sheena Wilson: I love that fact that you started with conceptual understanding.
01:19:16 Catherine Fey: how do we get infinite bags when we start with zero bags anyway?
01:19:17 Ingrid Lafalaise: Thank you
01:19:18 Kim Ellis: I always said it was a symbol
01:19:18 Sharon Ling: Thank you!
01:19:18 Kalee Alexandria: I appreciate all of the various ways to describe this math dilemma. My 16-21 year olds want something tangible and real. By nature all students should be skeptical...I usually end any "what?" by saying that the inverse operation will not result in the expected answer.
01:19:23 Jorge Veloso: Good question!
01:19:26 Nadia Messadi: i would like to know
01:19:26 Elizabeth Hallahan: you can never get to infinity.
01:19:26 Apryl Carpenter: You can't see or measure infinity.
01:19:27 Jordan Reed: An idea that students in the elementary education students can’t comprehend just yet
01:19:30 Janelle O'Neill: You cannot do arithmetic with infinity
01:19:34 Randy Ross: Infinity is not a number because you cannot write it down and no computer can show it!
01:19:37 Jessica Holden: it has meaning, but not value?
01:19:43 Christine Dewey: @Bill – have you read the Infinity Hotel story?
01:19:53 Kathleen Bulmer: Thank you
01:19:58 Bill Shillito: Absolutely, Christine!
01:20:02 Michelle Fox: Because any value you get to, you can just add one more toit
01:20:19 Abby Roza: Whether it is a number or not, infinity can be the answer to a question, how do you explain that the answer here isn’t infinity?
01:20:25 Simran Seehra: sometimes I compare infinity to the idea of forever. "if you add one to forever, does it not just become forever?" this is how infinity works. Whatever you put into it becomes part of the idea
01:20:30 Marlene Naquin: I also use you cannot take the items I have and make 0 g groups

01:20:36 Elizabeth Devereaux: I thought the meaning of infinity is immeasurable - infinity to most kiddos is the vast horizon of opportunity. Rabbit hole!! ;)
01:20:44 Sherita Wells McMillian: Great presentation!
01:20:47 Nicole Rigelman: What about odds being 1/2 of infinity?
01:20:56 Stephenia Courtney: Thank you!
01:21:10 Janelle O'Neill: Different “sizes” of infinity is fascinating too! Comparing the set of whole number, to the set of integers, to the set of rational numbers...
01:21:13 Kathy Dunkle: Thank you!
01:21:44 Simran Seehra: I have also compared infinity to a black hole
01:21:46 Karen Stefanik: Thank you ... very interesting? When/where will certificate be available?
01:21:49 Krisna Perbowo: It is really worth to relate division with multiplication. If 2x0=0 then 0:0=2??? Students will see this as a contradiction.
01:21:54 Mark Phipps: https://www.khanacademy.org/partner-content/wi-phi/wiphi-metaphysics-epistemology/wiphi-metaphysics/v/sizes-of-infinity-part-1-hilberts-hotel
01:21:59 Catherine Fey: it's more that you can't start than that you can't get to the end :)
01:22:07 Rebecca Hill: Thank you very much!
01:22:08 Bill Shillito: Thank you!
01:22:08 Carly J: Thank you!
01:22:08 Catherine Fey: Thank you!!
01:22:09 Kate Parsons: Thank you Joann
01:22:09 Megan: Thanks for the hard work
01:22:11 Lucy Maneiro: Great job!!
01:22:13 Janelle O'Neill: Thank you!
01:22:14 Jayne Breton: Thank you!
01:22:18 Shannon Jones: Thank you!
01:22:18 hanayo hattori: certificate please
01:22:20 Valerie Sitzmann: Thank you NCTM and Joann Barnett!!!
01:22:21 Jordan Reed: Thank you!
01:22:21 Gricelda Monroy: Thank you AMAZING!
01:22:24 ROER SHONDA: Thank you!!
01:22:25 Nadia Messadi: Thank you
01:22:25 Daniel Irving: Thank you for the incredible presentation!
01:22:25 Denise Quarles: Thank you
01:22:26 Laura Wolfe: Thank you!!This is a great lesson!
01:22:26 Barbara Guthrie: This was great!
01:22:26 Cheryl Lindeman: Thank you!
01:22:26 Michael Lanstrum: different levels of infinity = aleph null, aleph one, aleph two, ...
01:22:28 Diana Telders: thank you!
01:22:29 mary dugas: great! thank you
01:22:29 Mark Koester: Thank You
01:22:30 Kira Northup: thank you!
01:22:30 Elizabeth Hallahan: thanks. be well!! all.
01:22:31 Viviana Tambasco: thank you!
01:22:32 David Barnes: Thanks Joann!

01:22:35 Cathy Battles: Nice job Joann
01:22:35 Megan: Did I miss the link for the certificate?
01:22:37 Myra Collins: Thank you, Joann.
01:22:37 Raven Powell: Thank you
01:22:38 Tunisia Waller: will there be a certificate for today?
01:22:39 Ma. Donata Radaza: Thank you very much,
01:22:41 Douglas Pittsnogle: Thank you!
01:22:43 Cindy Kim: Thank you!
01:22:44 Chonda Long: Here is the certificate of participation - https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/100-Days-Certificate-2020-04-13.pdf
01:22:45 Rita Shamrock: Thank you
01:22:45 Tabitha Shearer: Thank you very much
01:22:46 cindy stonestreet: thank you good session.
01:22:47 Cynthia Montross-Tipa: Thank you!
01:22:51 JOHANNA JIMENEZ: Thanks a lot for this session
01:22:57 Patricia Drudy: Thank you so much. This was fascinating.
01:23:08 shaneille: thank you very much, greatly appreciated
01:23:10 Megan: Can you make it a link please
01:23:12 Kendra Edwards: Thank you
01:23:18 Tammy Crumble: will we get an email with certificate link
01:23:22 Joanne Basta: Stay healthy everyone!
01:23:23 Chonda Long: Here is the certificate of participation - https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/100-Days-Certificate-2020-04-13.pdf
01:23:23 Nadia Messadi: thank you again!
01:23:35 Gricelda Monroy: Thanks Chonda!
01:23:42 Elizabeth Hallahan: can u email this to us.
01:23:53 Olga Rapel-Faust: Thank you for showing us an easy way to teach students how to divide by zero. Great job.
01:24:00 Cynthia Bryant: Thanks Susie, Chonda, Dave, Faith, and Joann!!!
01:24:09 Stephenia Courtney: See everyone tomorrow! Be safe! ;-)
01:24:11 Tabitha Shearer: Thank you everyone
01:24:12 Marlene Naquin: Chondra, one day last week the link was not given-- it was to be sent to us-- can we get that one?
01:24:15 Christine Dewey: proud member for over 20 years!
01:24:15 Beth Kobett: Thank you so much!
01:24:19 Chonda Long: I can only send an email to every participant and everyone didn't participate. Please copy and paste the link - Here is the certificate of participation - https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/100-Days-Certificate-2020-04-13.pdf
01:24:21 Janelle O'Neill: I think you could reason that an “infinite number of bags” is not possible, so an answer is not possible
01:24:37 Kristy Allen: This has been awesome, thank you!!
01:24:42 Stephenia Courtney: Certificate for April 7 link?
01:24:53 Alex Harrison: Anyone got CEU links?
01:25:12 Chonda Long: Email me if you need the April 7th link. If you watched the recording it is at the end of the recording.
01:25:14 Marlene Naquin: Stephenia, I think that was it CHondra was not ther

01:25:15 Tammy Crumble: great job
01:25:17 Apryl Carpenter: Thank you Chonda.
01:25:19 Chonda Long: Here is the certificate of participation - https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/100-Days-Certificate-2020-04-13.pdf
01:25:19 Shannon Kealoha: Thank you
01:25:25 shaneille: thanks and do have a great evening too
01:25:28 Stephenia Courtney: ty
01:25:42 Marlene Naquin: thanks
01:25:47 Monica Maddox: amazing great job
01:26:31 Maria Rodriguez: Can we get the powerpoint?

01:26:49 mary dugas: I don';t know how to access ....??microphone...??video...older computer:)
01:27:07 Laura Beth Snoap: thanks!