

00:19:39 Trena Wilkerson: Hello from Waco, TX!  
00:20:04 Beth Roark: HI, I'm Beth from Cincinnati, OH  
00:20:04 Susan Spigelme: Hi Susan from So Cal  
00:20:08 Carol Matsumoto: Hi from chilly Winnipeg!  
00:20:10 Tika Epstein: Hello Everyone, I am from Las Vegas, Nevada!  
00:20:11 Lucinda Smith: Hello from Battle Ground WA  
00:20:14 Bernabe Avila-Cortez: Bernabe Avila from Toppenish WA  
00:20:14 Juaacklyn Cunningham: Juaacklyn from KY  
00:20:15 Laura Lopez LeRoy: Hi from Laura in Houston  
00:20:19 Janelle Koski: Hello from the Eastern Shore of Maryland!  
00:20:22 Stephanie Banks: Stephanie from NH  
00:20:22 Rebecca Hill: Hi from Illinois!  
00:20:23 Daniel Irving: Hello from North Providence, RI.  
00:20:25 Kelly Curtis: Kelly from Texas  
00:20:25 Lisa Crawford: Lisa from Nashville  
00:20:26 Jeanine Colwell: hello from Newport NC  
00:20:26 Sandra Johnson: Hi I'm Sandra from Dallas, Texas.  
00:20:26 Leigh Tompkins: Leigh from Ohio  
00:20:28 Terri McCarthy: Hi Terri from Danbury, CT  
00:20:28 Martha Duncan: Martha from Hurst, Texas  
00:20:29 Mary Johnson: HI from Mary from Pensacola, FL  
00:20:31 Deanna Richardson: Hello from South Dakota  
00:20:31 Marie Clarke: Hi everyone, Marie from Philadelphia  
00:20:31 Lisa Dilonardo: Hello! Lisa from So Cal  
00:20:33 Deanna Rigdon: hello from Utah  
00:20:34 Diane Gordon: Hello from North Carolina  
00:20:34 Angela Cooper: Angela from Spring, TX  
00:20:35 Denise Trakas: Denise from Reno, NV  
00:20:36 Roberta Rotolo: Hello from sunny Dallas Texas  
00:20:37 Lisa Kowalski: Hi from St Louis  
00:20:39 Melissa Campbell: Hello from Fort Payne, Alabama  
00:20:40 Nellie Alvarez: From Goodyear, AZ Nellie Alvarez  
00:20:40 Jodie Dornbush: Hello from Illinois  
00:20:40 Dawn Smith: Hi all from Mattawa, WA  
00:20:42 Kelly Kuster: Hello from New Jersey  
00:20:42 Toni Galassini: Hi from Chicago!  
00:20:42 Sarah Dickie: Hi from Charlottetown PEI  
00:20:42 Rochelle Peasley: Hello from Central Virginia! :)  
00:20:43 Beth Snoop: hello from holland michigan!  
00:20:43 Gail Rodgers: Gail from southern Michigan.  
00:20:43 Michelle Emslie: Hi I'm Michelle from Auckland New Zeland  
00:20:44 Prerana Sanghavi: hello from Mumbai, india  
00:20:44 Kathleen Morris: good evening from northern VA  
00:20:44 Cheryl McElroy: Hello from Providence RI  
00:20:46 Felicia Casto: Greetings from the mountains of western CO  
00:20:48 Jessica Whitney: Hello from Penacook NH  
00:20:49 Lise Potter: Damariscotta, Maine  
00:20:49 Claudia Phelps Wade: Hi from Phoenix, AZ  
00:20:49 Adina R: Adina from MD. I wanted to watch Chrissy's session  
from NCSM, but I missed it, so I'm glad I'm able to watch it from NCTM!

00:20:50 Blake Ann Antida: Aloha from Hawaii!  
00:20:51 Megan Lavagnino: Hello from Eastern Washington  
00:20:51 Kate Holcomb: Hello from Nashville, TN  
00:20:52 Sondra Mackie: Hello Im SONDra, Fayetteville, NC  
00:20:55 Ginger Foran: Hey, y'all! Joining from Marshall, NC!  
00:20:55 karen anderson: Good evening from Bryant Pond Maine :)  
00:20:57 Michelle Kivett: Hello from Sanford, NC  
00:20:58 Virginia Lopez: Virginia Lopez Prek Teacher from Chicago  
00:20:59 Cheryl Wallace: Hi from Annapolis, Maryland  
00:21:00 Sharonda Ware: Richmond, Virginia  
00:21:00 Marjie Hicks: Yelm WA  
00:21:00 JoAnn Hurt: Hello from Indianapolis, IN  
00:21:02 Jane Harris: Jane from Old Fort, NC  
00:21:02 Pam Cadena: Hi from Redondo Beach, CA--sunny day at the beach  
00:21:03 Teresa Bulanda: hello from Hartford,Ct  
00:21:05 Ann Marie Nee: Hi from New York!  
00:21:05 Molly Pomposelli Pomposelli: Massachusetts good evening!!!  
00:21:08 Liz Morris: Hello from Phoenix Arizona  
00:21:12 Amiynah Haile: Amiynah from Columbia, SC  
00:21:14 Stacy Sammons: Suffolk, Virginia  
00:21:14 Kendra Laymon: Nashville, TN  
00:21:14 Nicole McCarthy: Hello from Hershey, PA  
00:21:17 Denise Walston: Hello from Denise in Chesapeake, Va  
00:21:18 Kim Neill: Hello from Arlington TX  
00:21:19 Jaclyn Murray: Atlanta, GA  
00:21:19 Rebecca Herbert: Elk River, MN  
00:21:20 Laurie Barker: Junction, Texas  
00:21:21 Lisa Lambuth: Hi from La Mirada, CA  
00:21:22 Heather Smith: Fall River, MA  
00:21:22 Ada Hill: Ada Hill Youngstown City School  
00:21:22 Deborah Tytler: Battle Ground, WA  
00:21:23 Deanna Goins: Hello from Tennessee  
00:21:24 Stephanie Prato: Hello from Rochester, NY  
00:21:25 Marianne Mammon: Marianne from NJ  
00:21:26 Darlene Logan: Hello from Danville, VA  
00:21:27 Jazavier Smith: Charleston, SC  
00:21:28 Michelle Emslie: t's 1am in Auckland  
00:21:29 Karole Van Nostrand: Hello, Northern Vermont  
00:21:31 Nikki Montana: New Jersey  
00:21:31 Jennie Haynes: Jennie from Washington  
00:21:32 Michelle Emslie: 11 am oops  
00:21:34 Natasha Zimmerman: Whidbey Island, Washington State  
00:21:34 Beth Wagner: Greetings from Long Island, NY  
00:21:34 Joan Whitfield: Chesterfield, VA Work in Hopewell, VA  
00:21:35 Ashley Jones: hi from Maryland  
00:21:36 Marcia Balkin: From Washington D.C.  
00:21:37 Dale Pasino: Massachusetts  
00:21:37 Rita Shamrock: Rita from Senoia, GA  
00:21:38 Lyndsay Freed: Hi from NY  
00:21:39 Laxman Nepal: Hi everyone

00:21:41           edward yue:        HI I am from Alameda, California (San Francisco Bay Area)  
00:21:41           Herminio Planas:        Bridgeport, CT  
00:21:42           Amanda Arney:        Morganton, NC  
00:21:47           Marnie Penney:        Ontario  
00:21:49           Randi Goetke:        Freehold, NJ  
00:21:50           Heidi Johnson:        Hello from Olympic Peninsula Washington State  
00:21:53           Tanaga Rodgers:        Maryland!  
00:21:56           Julianne Phillips:        Good evening! Coming LIVE from the Motor City...Detroit, Michigan!  
00:21:57           Erin Hamson:        Hello from San Francisco, CA!  
00:22:04           Jennifer Ciano:        Hello from Charlotte, NC  
00:22:07           Terri Smith:        Hi from the beautiful Shenandoah Valley in Virginia  
00:22:15           Lynn Lafferty:        Hello from Erie, PA  
  
00:22:19           Galit Sandaev:        Hi from montreal, canada  
00:22:24           Alfreida S Jamison:        Hello from just outside of Chicago.  
00:22:24           Ali Semanision:        Hi from Los Alamos, NM  
00:22:25           Carrie Daniels:        Hello from Dayton, TN!  
00:22:34           Sharon Sommer:        Hello from New Jersey!  
00:22:35           Amy Landry:        Hello from Chicago  
00:22:40           Jennifer Hinrichs:        Hi from Cambridge, Ontario, Canada!  
00:22:41           Donna Behrouzian:        Hello from Toronto, Ontario  
00:22:41           Melissa Forde:        Hi from Youngstown Ohio  
00:22:41           Amanda Jansen:        Hello – from Newark, Delaware!  
00:22:42           Quianna Watkins:        Hello from Decatur, GA  
00:22:42           Shari Sklar:        Hello from Arizona  
00:22:43           Kimberly Jones:        Kim Jones from Dallas, TX  
00:22:46           Mary Anne Opila:        Hi, from Pennsylvania!  
00:22:56           Maddie Grover:        Hi from Boston Massachusetts!  
00:22:56           Diane Anderson:        Hi..Diane from Massachusetts  
00:22:57           Katrena Washington:        Katrena from Chicago, Illinois  
00:23:00           Dina Campbell:        Hi All! From Las Vegas!  
00:23:12           Jessica Rock:        Hi from Chicago!  
00:23:12           Linda Smith:        Hi, I am Linda Smith, 1st Grade Teacher from Halifax County!  
00:23:13           Camille Greene:        Hello from Sunrise, Florida  
00:23:14           Melissa Fast:        Hi from Kansas  
00:23:18           Jada Pearson:        Hello from Oregon!  
00:23:19           Mohamed Jamaludeen Thirapusa Mohaideen:        Hi , Greetings to all !This is Mohamed from CT!  
00:23:19           Dave Hankin:        Hello from Globe, Arizona.  
00:23:22           Rachelle Broggin:        Hello from PA!!  
00:23:23           Jeanine Dormer:        Jeanine from PA  
00:23:23           Deepa Bharath:        Hello from Arlington MA  
00:23:25           Denise Parker:        Hello all from Lumberton NC  
00:23:26           LaRosa Schexnayder:        Hello all from Laveen, Arizona  
00:23:26           Cindy Luper:        Hi from Arkansas  
00:23:26           Branch Pronk:        Hi from Va  
00:23:27           Dianne Thomann:        Hi from KS

00:23:27 Leona MaasBekkers: Leona from Wolfville Nova Scotia  
00:23:27 Laveta Ebbin: Hello from Bermuda  
00:23:29 Mandelia Fisher: Hello from Richmond, VA  
00:23:30 Regina Holloway-Kitchings: Hello from Savannah, Ga  
00:23:32 Alison Pepero: Hello from Buffalo NY  
00:23:32 Tiffanie Nealy: Hi from Tiffanie in Atlanta  
00:23:33 Camille Nemanic: Hello from Greensburg, PA (near Pittsburgh)  
00:23:33 Stephanie Izzard: Hello from Burlington, Ontario!  
00:23:34 Al Prewett: Milan New Mexico  
00:23:34 Tiffany Moyer: Hello from Pennsylvania  
00:23:37 Tonya Burke: Ft. Lauderdale FL  
00:23:41 Kathy Villarreal: Hi from San Jacinto, California  
00:23:42 Nicolette Nalu: Hello from AMTEA president and Math Specialist from  
ALABAMA! :)  
00:23:46 Kathy Reynolds: Hi from Philadelphia!!!  
00:23:50 Carol Keefe Hendries: Thank you for the reminder!  
00:23:51 Athanasia Douros: Hello from Toronto!  
00:23:53 Renee Cummins: Good evening, from Neosho, MO!  
00:23:53 Staci Erickson: Hello from Seattle.  
00:23:57 Vicki Hill: Thomasville, NC  
00:23:59 Trena Wilkerson: Hi Sandi!  
00:23:59 Susan Gray: Hi! I'm from CT.  
00:24:02 Julie Shelton: Hi From Valhalla, NY  
00:24:04 Rebecca Gonzalez-Kreisberg: Hi from Massachusetts  
00:24:06 Andrea Lipper: hello from Olympia, WA  
00:24:07 Amy Dulak: Hello everyone from Wisconsin!  
00:24:07 Melissa Campbell: Bout time you got here Nicolette!  
00:24:08 Janaki Nagarajan: So excited to learn from you Chrissy! Hi all  
from Seattle  
00:24:08 LA VERNE MITCHELL: Hi from Queens, NY  
00:24:12 Fran Huntoon: Hello from Richmond, VT  
00:24:26 Nicolette Nalu: LOL. I know. I was registering for something else.  
So I didn't say hi until now. Haha  
00:24:26 Ann Marie Nee: Hello from Scarsdale, NY  
00:24:30 Ann Neely: Hello from South Williamsport, PA  
00:24:33 Janice Novakowski: Hi Janaki!  
00:24:35 Susanna Guerra: Hello from Maine  
00:24:39 Marcia Oom: marcia from sabetha ks  
00:24:40 Rachel Redden: Hello from Northern Kentucky!  
00:24:48 Josefina Nava: Good evening to all from Chicago!  
00:24:51 Monica Avalos: Hello from Waukegan IL  
00:24:52 Jeff Shih: hi from vegas!  
00:25:01 Deborah Scott: Hi I am from Nanuet, NY  
00:25:17 April Spratt: Hi from Southern KY  
00:25:17 Shelly Jones: Hi Shelly Jones from Connecticut  
00:25:19 Tammy O'Grady: Hi all, From Ottawa, Canada!  
00:25:31 Ramona Chandler: Ramona Chandler, So Cal  
00:25:44 David Barnes: <http://bit.ly/NCTMVM2020>  
00:25:50 Megan McPartland-Mattrick: Hi Megan McPartland-Mattrick and I  
am from Grafton, MA.

00:25:55 Janice Novakowski: Is the slide formatting off for anyone else?  
00:26:02 David Barnes: <http://bit.ly/NCTMVM2020>  
00:26:11 Chonda Long: Manipulatives:  
00:26:17 Chonda Long: <http://bit.ly/NCSMshapes>  
<http://bit.ly/MLCBaseTen>  
<https://www.mathlearningcenter.org/resources/apps>  
00:26:23 Stephanie Rish: Hello from Charlotte NC  
00:26:26 Kris Graham: learning new skills  
00:26:30 Beth Snoop: the warm sunshine!  
00:26:30 Danielle Hoisington: Spending time with my family  
00:26:31 Lisa Crawford: my new ropy  
00:26:31 Cindy Bryant: These sessions!  
00:26:32 Jennifer Ciano: Working out every day  
00:26:33 Shelly Jones: My students signing in to our virtual meetings has  
given me joy. Also taking walks.  
00:26:33 Jazavier Smith: Family  
00:26:33 Leona MaasBekkers: Signs of Spring  
00:26:33 Jennifer Hinrichs: sunshine  
00:26:34 Kathleen Scott: gardening  
00:26:34 Camille Nemanic: Something that brings me joy is being at  
home with my husband.  
00:26:34 Lisa Anderson: Long walks  
00:26:35 Susan Spigelmeier: webinars to learn how to do STEM with  
kinders  
00:26:35 Tiffany Moyer: baking and sharing my treats with neighbors  
00:26:35 Lisa Crawford: puppy  
00:26:35 Kris Graham: teenage kids at home  
00:26:35 Courtney Humphreys: reading good books  
00:26:35 Randi Goetke: The sunshine and warm weather in NJ brings me joy  
00:26:36 Josefina Nava: Food  
00:26:36 Natalie Pipe: Mountain biking!  
00:26:36 Camille Greene: I love my Lush products.  
00:26:36 Natasha Zimmerman: gardening  
00:26:37 Allyson Guida: My kitties and any sunshine I can take in  
00:26:37 Lisa Howell: My garden  
00:26:37 Sandra Johnson: Learning new technology  
00:26:37 Kelly Caruso: Extra time with my own kiddos :)  
00:26:37 Karole Van Nostrand: Long walks in the woods  
00:26:38 Jordan Weatherford: tacos  
00:26:38 Quincy Long: Sleeping in  
00:26:38 Ramona Chandler: Emailing with my students  
00:26:38 Ashley Brehl: Being outside!  
00:26:38 Clare Harrington: walks  
00:26:38 Diane Gordon: pets  
00:26:38 Branch Pronk: family  
00:26:39 Donna Behrouzian: dog  
00:26:39 Kelly Kratz: bright sunshine  
00:26:40 Ashley Jones: children  
00:26:40 Terri Smith: Nice weather  
00:26:40 Susan Gray: Spending more time with my family

00:26:40 Laurie Barker: Family  
00:26:40 Rebecca Hill: wine  
00:26:40 Heidi Cromer: Time outdoor with kiddos!  
00:26:40 Jeanine Dormer: Sunshine!  
00:26:40 Mandelia Fisher: Being home with my daughters and wife  
00:26:40 Tammy O'Grady: getting out for a run  
00:26:41 Liz Morris: hiking  
00:26:41 Rachelle Broggin: My daughter turns 2  
00:26:41 Tiffanie Nealy: family  
00:26:41 Dawn Halliday: Enjoying outdoors  
00:26:41 Lise Potter: Seeing my kids on Zoom!!  
00:26:41 Stacy Timmins: long walks  
00:26:41 Laronda Raines-Langham: My 3 boys  
00:26:42 Jessica Rueckert: Time outside with my family  
00:26:42 Christine Percy: family and my teammates  
00:26:42 Jessica Rock: Messages from students  
00:26:42 Athanasia Douros: my family and running  
00:26:42 Natalie Davis: Family  
00:26:42 Rebecca Gonzalez-Kreisberg: Running  
00:26:42 Julie Shelton: bike riding  
00:26:42 Carol Keeffe Hendries: Music  
00:26:43 Dina Campbell: Great weather in Las Vegas and spending time with family  
00:26:43 anjana tihaiya: staying family time together  
00:26:43 Vicki Hill: Working on my garden  
00:26:43 Maribeth Dennis Bollmann: Learning new recipes!  
00:26:43 Kelsey Schreiber: My son!  
00:26:43 Ute Moore: My garden  
00:26:43 Heidi Johnson: zooming with my students  
00:26:44 Maria Louvaris: Baking bread  
00:26:44 Stephanie Prato: exercise  
00:26:44 Megan McPartland-Matrick: Phone consultations with my parents and students, walks with my puppy  
00:26:44 Patti Sanders: long walks, being with my kids  
00:26:44 Renee Cummins: Spending time with my daughter and granddaughter!  
00:26:45 Sheryl Bostelman: walking and gardening  
00:26:45 Bina Kachwalla: My morning exercising  
00:26:45 Cheryl McElroy: I am enjoying seeing the PK-Gr1 students on Zoom  
00:26:46 Gayle Allen: nature  
00:26:46 Lyndsay Freed: My dogs  
00:26:46 Rebecca Udzik: Seeing children's smiles during virtual class  
00:26:46 Maddie Grover: Kiddos on zoom!  
00:26:46 Mariangeli Rivera: family  
00:26:46 Leticia Chapa: Running before I began my day :)  
00:26:46 Ute Moore: My dogs  
00:26:46 Theresa Sawyer: grandchildren  
00:26:46 Amiynah Haile: Receiving t  
00:26:46 Cassandra Proulx: catching up on tv!  
00:26:46 Deborah Scott: My family  
00:26:47 Kathleen Wyckoff: dogs!

00:26:47 Sondra Mackie: Family  
 00:26:47 Staci Erickson: Lunch with my husband  
 00:26:47 Julianne Phillips: Cooking new recipes...  
 00:26:47 Pam Cadena: my new coworkers--my husband, our 2 cats and 2 dogs  
 00:26:47 Molly Pomposelli Pomposelli: Sunshine and walks  
 00:26:48 Faith Hettesheimer: Being home with my family  
 00:26:48 Monica Terry: spending time with family  
 00:26:48 Tabitha Stanton: I am doing well. Seeing how green the sky is  
 and how blue the skies are is bring me joy!  
 00:26:49 Janette Kiso: my dog  
 00:26:50 Sharonda Ware: youtube  
 00:26:50 Denise Walston: family  
 00:26:50 Denise Trakas: Puppies!  
 00:26:50 Lisa Clem: Sunshine and spending time with my son.  
 00:26:50 Lisa Lindsey: Hello from Fayetteville, GA. Family!!  
 00:26:50 Laveta Ebbin: exercising more  
 00:26:51 Terri McCarthy: kids  
 00:26:51 Atiya Hamilton: Zoom calls with my students  
 00:26:51 Mary Anne Opila: long walks, long chats  
 00:26:51 Toni Galassini: Collaboration with colleagues!  
 00:26:51 Marjie Hicks: sun, gardening, horses  
 00:26:51 Kim Schoenau: Seeing many of our teachers in the CVCUE sessions!  
 00:26:51 Felicia Casto: baby calves  
 00:26:51 Rebecca Herbert: Sunshine and an early spring  
 00:26:52 Monica Avalos: Virtual staff meetings, walks, the few sunny days  
 00:26:52 Lyndsay Freed: cooking  
 00:26:52 LA VERNE MITCHELL: Occasional sunshine. Walks.  
 00:26:52 Taylor Murphy: sunshine! and lots of books  
 00:26:52 Ann Marie Nee: baking banana bread  
 00:26:53 Jodi Ryan: granddaughter and running lots of miles  
 00:26:53 Marie Hannon: long walks...cooking  
 00:26:53 Lisa Lambuth: Seeing students on zoom  
 00:26:53 Laurie Barker: playing games with my kids  
 00:26:54 Marcia Balkin: A quiet lunch  
 00:26:55 Dawn Smith: being outside  
 00:26:56 Chelsea Imbrescia: Getting to spend time with my family!  
 00:26:56 Terri Sierra: walking  
 00:26:57 Janet Jimenez: Being able to interact with my students  
 00:26:57 Claire Andrews: Wine :) and my dog!  
 00:26:57 Andrea Lipper: dog, family, and wonderful PLC with colleagues  
 00:26:58 Ginger Foran: My husband's aunt leaving ICU after COVID!  
 00:26:58 Terri Streicher: walks  
 00:26:58 Jennie Haynes: seeing my kinders on videos  
 00:27:00 Nellie Alvarez: long walks with granddaughters  
 00:27:00 Ann Marie Nee: My children--8 and 22 months  
 00:27:00 Regina Holloway-Kitchings: the relationships w/God, my family,  
 and my dog  
 00:27:01 Kelli Gibb: finding fun and unique ways to connect with students  
 ie/ teacher parade  
 00:27:01 Trisha Pickett: family

00:27:01 Amy Dulak: spending time with 3 1/2 year old  
00:27:01 Deborah Spear: spending time with my family  
00:27:01 Amy Landry: My dogs, puzzles  
00:27:02 Katrin Cottingham: gardening  
00:27:02 Konya Houston: Exercising with my dog  
00:27:02 Ada Hill: walking and i miss my grandchildren  
00:27:02 Leslie Texas: Sunrises and sunsets  
00:27:02 Michelle Kivett: Good! FB page that is called "Blessing Women  
of Harnett County  
00:27:03 Roberta Rotolo: making videos for my fourth grade students  
00:27:04 Tamikia Greene: bike riding  
00:27:04 Laxman Nepal: My family as well  
00:27:07 Marie Clarke: being in the moment  
00:27:09 Juaacklyn Cunningham: Coffee with Coaches  
00:27:09 Cindy Kim: slower paced morning routine  
00:27:09 Patricia Herdt: Watching my young neighbors sharing time with their  
families.  
00:27:09 LaRosa Schexnayder: Seeing my scholars online!  
00:27:10 Alison Pepero: wine and my new puppy  
00:27:11 Virginia Lopez: Seeing my students during goggle meet class and  
spending time with family.  
00:27:19 Annette Gushue: drinking  
00:27:22 Lynn Sykes: My Newfoundland!  
00:27:29 Chonda Long: Do you have a question?  
00:27:31 Amiynah Haile: Receiving funny text.  
00:27:34 Amy Henderson: love math art challenge!  
00:27:38 Heidi Hague: Joy in Sunsets while on my walk.  
00:27:42 Denise Jackson: baking bread and making cookies  
00:27:42 Rachel Redden: Sunshine, being home with my kids and my husband,  
and living in the country so I can be outside.  
00:27:48 Konya Houston: That math art looks fun!  
00:27:49 Joanne Foster-Williams: Being healthy  
00:27:52 David Barnes: <http://bit.ly/NCTMVM2020>  
00:27:58 Kim Neill: learning to play the banjo!  
00:28:01 Linda Smith: Family, Bible reading & crocheting  
00:28:03 Betsy Kerstetter: My two new kittens!  
00:28:15 Chonda Long: Do you have a specific question?  
00:28:22 Julia Sierra-Bond: JOY - my students text me and send loving  
messages and miss me and I miss them, too.  
00:28:32 Natalie PIpe: Marco polo-ing with my students!  
00:28:42 sharon forman: JOY: Running, Walking, Mathing  
00:28:52 Chonda Long: We are not able to offer the English subtitles live.  
They will be available with the recording at [www.nctm.org/100](http://www.nctm.org/100)  
00:30:20 Trena Wilkerson: Chrissy turned hers on so that is very  
helpful! Thanks!  
00:30:32 Melissa Campbell: base 10 blocks to build concrete models of  
open area model  
00:30:34 Jordan Weatherford: Paper money  
00:30:36 Cindy Kim: counters, linking cubes, five frames, ten frames,  
rekenreks, pattern blocks



00:30:36 Natalie PIpe: base 10 blocks. they work and make sense!  
 00:30:38 Claire Andrews: Base 10 blocks  
 00:30:39 anjana tihaiya: counters. coins  
 00:30:39 Donna Behrouzian: counters  
 00:30:40 Dina Campbell: Digi blocks  
 00:30:41 Claudia Phelps Wade: counting bears  
 00:30:41 Cassandra Proulx: counting bears- because the kids love to  
 hold them  
 00:30:42 Rachelle Broggin: cubes for counting  
 00:30:42 Claire Andrews: place value chips  
 00:30:43 Michelle Kivett: yes base tens  
 00:30:43 Shelly Jones: Pattern blocks for fractions  
 00:30:43 Laura Goss: place value disk  
 00:30:43 Amy Frisina Scotti: rekenrek  
 00:30:44 Kelly Kratz: base 10 blocks for place value concepts  
 00:30:44 Leona MaasBekkers: Rekenreks  
 00:30:45 Jennifer Gereshenski: unifix cubes, for everything  
 00:30:45 Donna Behrouzian: pattern blocks  
 00:30:45 Sharon Sommer: base ten blocks, two color tiles, unifix cubes,  
 00:30:45 Monica Nardone: fraction tiles  
 00:30:45 Monica Parraga: counters  
 00:30:47 Nicolette Nalu: Cuisenaire Rods! Fractional Reasoning!!  
 00:30:47 Nicole McCarthy: Fraction bars - to help students identify  
 equivalent fractions in 3rd grade  
 00:30:47 Megan McPartland-Mattrick: tens frames  
 00:30:47 Kathy Reynolds: beans for counting  
 00:30:48 Rochelle Peasley: Pattern blocks - fraction relationships and  
 computation  
 00:30:48 Nancy Sirois: Virtual number line  
 00:30:48 Julie Miller: Unifix cubes for counting  
 00:30:48 Kris Graham: double sided counters - part part whole  
 00:30:49 Rebecca Hill: coins... place value, money  
 00:30:49 Susan Spigelme: unified cubes help hinders count and make  
 groups of ten  
 00:30:49 Amy Paladino: Ten frames  
 00:30:50 Pam Jones: cuisenaire rods - show relationships  
 00:30:50 Eva Price: 10 frames for multiplication  
 00:30:51 Nancy Sirois: tenframes  
 00:30:51 Tika Epstein: base ten blocks for place value  
 00:30:51 Diane Hurley-Leach: fraction tiles to show parts of a whole  
 00:30:52 Denise Trakas: Counters  
 00:30:53 Natasha Zimmerman: Japanese Soroban - great for place value!  
 00:30:53 Courtney Cooper: Base Ten block, shapes, tens frames  
 00:30:53 Amy Montgomery: counters to represent the number  
 00:30:54 Michelle Matsuzaki: Ten frames  
 00:30:54 Rebecca Hill: number paths  
 00:30:54 Lyndsay Freed: Counters - for counting on  
 00:30:54 Jeannette Mooroiian: I use a ten frame to help them see 10.  
 00:30:55 Kris Graham: ten frames  
 00:30:55 Claire Andrews: fake money - tens frame - counters

00:30:55 Ona Ryan: skittles count sort

00:30:55 Kelly Kratz: tiles for visualizing measurement

00:30:55 Judith Florczak: 3D plexiglass figures used for visualizing cross sections, for comparing volumes

00:30:55 Kelsey Schreiber: 2 color counters to help students work with part part whole

00:30:56 Branch Pronk: ten frames

00:30:56 Trisha Pickett: Cubes for patterning and counting

00:30:57 anjana tihaiya: counting -counters

00:30:57 Ashley Brehl: Playdough to help develop fine motor skills when building numbers in K

00:30:57 Patti Sanders: counters, unisex cubes, number lines, ten frames

00:30:57 Laurie Barker: Base 10 blocks for teaching decimals for 5th grade

00:30:57 Tracey Ramsey: number lines for counting forward and backwards

00:30:57 Lynn Lafferty: algebra tiles

00:30:58 Ann Neely: connecting cubes

00:30:58 Adrienne McPherson: anything and everything the kids have access too.

00:30:58 Deborah Spear: Base 10 blocks, ten frames, counters ... place value and addition and subtraction

00:30:58 Kim Schoenau: red/yellow counters to show parts and whole

00:30:58 Beth Nalker: Unifix cubes. Counting skills, number relationships

00:30:59 Donna Behrouzian: pattern blocks are great for fractions

00:30:59 Bina Kachwalla: fraction frames: visualising fractions

00:30:59 Mohamed Jamaludeen Thirapusa Mohaideen: Algebra tiles

00:30:59 Wendy McGrael: Unifix cubes for ones and tens, groups

00:30:59 Camille Nemanic: I love Rekenreks to build understand fives, tens, decomposing and composing numbers

00:30:59 LaRosa Schexnayder: Base 10 for visual numbers

00:30:59 Laurie McWillie: gems, rocks, tens frames

00:30:59 Lyndsay Freed: rekenrek - number sense

00:30:59 Terri McCarthy: bear counters

00:31:00 Ali Semanision: cuisenaire rods-fractions, decimals, etc

00:31:00 Sharon Sommer: gives students concrete experiences

00:31:00 Staci Erickson: Ten frames to build number sense

00:31:00 Jordan Weatherford: paper money because kids get a hands on experience with their color and size

00:31:00 Emily Austin: ten frame, base 10 blocks, counters - number sense, addition/subtraction

00:31:01 Evette Reece: pattern blocks to help with measurement, non standard units

00:31:01 Athanasia Douros: ten frames for subitizing

00:31:01 Sheryl Bostelman: base ten blocks, ten frame

00:31:01 Jennifer Gereshenski: mini erasers from target for 1:1

00:31:01 Alison Pepero: base ten blocks, area models, counters, cards, ten frames tape diagrams

00:31:01 Sarah Ferrell: Money - provides real world-application and makes it "cool"

00:31:01 Jennie Haynes: I use geoblocks for many different reasons - understanding shapes

00:31:01 Renee Catalano: base ten, fraction tiles and circles,  
00:31:01 Kimberly Jones: Cuisenaire rods, because there are no set values.  
They allow flexibility with numbers  
00:31:01 Virginia Lopez: Unifix cubes, counting, measuring  
00:31:02 Kristi Pramuka: Number racks  
00:31:02 Linda Catalano: Math rack  
00:31:02 Lise Potter: fraction tiles  
00:31:02 Laveta Ebbin: counters, pattern blocks, etc  
00:31:03 Tamara Jackson: counters  
00:31:03 Heather Smith: rek n rek  
00:31:03 Monica Avalos: counters because they help develop one to one  
correspondence help with additional nd subtraction  
00:31:03 Ute Moore: dice and cards  
00:31:03 Natalie PIpe: 100 chart  
00:31:03 Claudia Phelps Wade: counting bears for learning to count and  
numbers  
00:31:03 Sondra Mackie: base tens  
00:31:04 Leticia Chapa: base 10 blocks for place value  
00:31:04 Kera weihrauch-ernest: base ten blocks for younger students  
00:31:04 Kathy Villarreal: rekenreks show relationships  
00:31:04 Tammy O'Grady: 5 frames and ten frames as anchors for kinders  
00:31:05 Patricia Ferris: linking cubes for adding and subtracting,  
multiplying  
00:31:05 Janice Novakowski: Pattern blocks - spatial relationships  
00:31:05 Randi Goetke: prek, unifix for patterning and counting  
00:31:05 Leona MaasBekkers: Rekenreks because you see the tens and ones  
00:31:05 Renee Cummins: Fraction pieces-makes it easier to understand the  
sizes  
00:31:05 Roberta Rotolo: base ten blocks....for place value and even modeling  
division  
00:31:05 Kelli Gibb: Reknrek - because they help with values of  
10/part/part/whole  
00:31:06 Kelly Kuster: fraction sticks for parts of a whole  
00:31:06 Cheryl McElroy: rekenreks to visualize to see combinations  
00:31:06 Khaalia Taylor: I use ten frames to help students see number  
relationships  
00:31:07 Jodi Ryan: pattern blocks - visual- creativity  
00:31:07 Tiffanie Nealy: fraction towers for equivalent fractions  
00:31:07 Jordan Stein: Cards for sorting  
00:31:07 karen weaver: base ten frames - help with seeing and making 10.  
card  
00:31:07 Kris Graham: 120 charts  
00:31:08 Marianne Mammon: tens frames for decomposing numbers  
00:31:08 Tonya Burke: tangrams  
00:31:09 Jennifer Hinrichs: Cuisenaire rods - part, part, whole  
00:31:09 Renee Catalano: ten frames and dice  
00:31:09 Gail Rodgers: Empty number lines to build number sense.  
00:31:09 Heidi Cromer: Tangrams to see how shapes work together, see shapes  
in things  
00:31:09 Jasmine Mills: Base ten blocks, help student add and subtract with

two to three digit numbers.

00:31:10 Terri Smith: counters for counting and addition & subtraction  
00:31:10 Amanda Nica: Base ten blocks, number lines, counters  
00:31:10 Cassandra Proulx: five and ten frames for 1:1 correspondence  
00:31:10 Rebecca Cross: Pattern blocks, to teach fractions conceptually,  
counters for everything  
00:31:10 Amy Landry: Real coins so students can feel what they feel like,  
look at them closely, compare and contrast  
00:31:11 Penny Jensen: bears- helps with counting 1:1 sorting classifying  
00:31:11 Jessica Rock: Unifix cubes ... tactile learning  
00:31:11 Claire Andrews: 100 chart for skip counting  
00:31:12 Susan Gray: Counting cubes. To help students visualize math  
problems  
00:31:12 Faith Hettesheimer: Double sided counters to show part part  
total  
00:31:12 Jeanine Dormer: clocks- hands on  
00:31:12 Cerissa Brown: Unifix cubes for patterns  
00:31:12 Laurie McWillie: hands on connections, help EAL  
00:31:12 Monica Nardone: fraction tiles because it helps for students to be  
able to see the relationship between whole and part  
00:31:13 Stacy Sammons: fraction bars for relationships between fractional  
pieces  
00:31:13 Kris Graham: dice  
00:31:13 Lyndsay Freed: Number lines  
00:31:13 Stephanie Prato: Unifix cubes  
00:31:13 Lisa Howell: dice  
00:31:13 Kelli Gibb: dice  
00:31:13 Sharon Stoeckel: geo block for exploration  
00:31:13 Kathleen Scott: 5 and 10 frames for beginning addition  
00:31:14 Megan Wenger: Snap cubes for everything - counting, place value,  
etc.  
00:31:14 Amy Dulak: dice  
00:31:14 Teresa Saueressig: Unifix cubes for place value so they can  
physically build a 10 and decompose a ten.  
00:31:14 Stacy Timmins: fraction bars to see fractions  
00:31:14 Kelly Kratz: connecting cubes for building numbers and  
discovering place value  
00:31:14 Tonya Burke: patternblocks  
00:31:15 Annette Gushue: multiplications wheels\  
00:31:15 Heidi Hague: Judy clock, helps kids understand relationship  
between hour and minute hands, counting by 5s etc..  
00:31:15 karen weaver: dice  
00:31:15 Enkelejda Limani: Bundles - for understanding place value and  
unitizing  
00:31:15 Claire Andrews: Unifix cubes  
00:31:16 Jennifer Lourenco: tangrams  
00:31:16 Monica Avalos: Ten frames  
00:31:16 Lisa Clem: I use fraction tiles to show equivalent fractions.  
00:31:16 Lindsay Neely: Pattern blocks  
00:31:16 Sheryl Bostelman: domiinoes

00:31:17 Diane Gordon: pattern blocks, counting bears PreK babies to count and make shapes

00:31:17 Nancy Sirois: Pattern blocks

00:31:17 Dina Campbell: Digi blocks to see relationship between ones, tens, hundreds

00:31:17 Shari Sklar: tangrams, because they help students understand fractions when they create them themselves and with spacial relationships as they create images

00:31:17 Sandra Johnson: Colored tiles for area multiplication using area model.

00:31:18 sharon forman: counters, 10 frames

00:31:18 Lisa Lambuth: Unifix cubes- to count, put in groups of ten

00:31:19 Shawna Sonksen: ten frames and discs to help students to see the teens

00:31:19 Denise Parker: counters, base tens, fractions

00:31:19 Ona Ryan: food

00:31:20 Ann Neely: counting cubes, making tens, with base ten blocks

00:31:20 Barb Fukushima: rekenrek

00:31:20 Rebecca Herbert: Integer chips----subtracting integers is very hard to visualize

00:31:20 Leticia Chapa: fraction strips and fraction cakes

00:31:21 Michelle Matsuzaki: double sided chips

00:31:21 karen weaver: counters

00:31:21 Joan Whitfield: ten frames, two sided counters

00:31:21 Aimee Olree: 2D Shapes for High Scope - composing/decomposing shapes.

00:31:21 Tika Epstein: coins to determine amounts, to count money, and to make change

00:31:22 Rachel Redden: popsicle sticks to bundle, counters, rekenreks, dice, cards

00:31:22 Ali Semanision: unifix cubes, dice (12 sided)

00:31:22 Donna Behrouzian: geo-boards 2d shapes

00:31:22 Laurie McWillie: dice, cards

00:31:23 Virginia Lopez: abacus

00:31:23 Judith Florczak: magnetic coordinat grid manipulative

00:31:23 Alison Pepero: tape diagrams

00:31:23 Leslie Texas: tangrams

00:31:24 Cassandra Proulx: snap cubes

00:31:24 Kylene Boddie: popsicle sticks because they help students better grasp the idea of regrouping

00:31:25 Lisa Clem: Also, ten frames.

00:31:25 Elizabeth Marzana: unifix cubes for composing and decomposing

00:31:25 Tracey Ramsey: coins, dice, ten frames, 120 charts

00:31:25 Michelle Matsuzaki: Pattern blocks

00:31:25 Kelli Gibb: bead counter snakes

00:31:26 Mariangeli Rivera: 10 frame, unifix cubes

00:31:26 Michelle Emslie: ten frames counters place value blocks dice decipipes

00:31:27 Tammy O'Grady: deck of cards!

00:31:27 Kathy Reynolds: dice

00:31:27 Lesley Kurth: ten frames, horizontal number lines, dice, unifix cubes, wreck and wreck

00:31:29 Kelly Kuster: pattern blocks for geometry and fractional pieces

00:31:29 Lisa Lindsey: pattern blocks

00:31:29 Kristine Pilla: 10-sided dice

00:31:29 Melissa Fast: fraction strips, number lines

00:31:30 Rebecca Hill: erasers

00:31:30 Bina Kachwalla: geoboards

00:31:30 Joanne Foster-Williams: Base ten blocks, counters

00:31:30 Denise Parker: coins

00:31:31 Michelle Kivett: deck of cards for addition

00:31:32 Kris Graham: Beadstring

00:31:32 Dana Westveer: ten sided dice for computation games

00:31:32 Ona Ryan: smart board

00:31:33 Janice Novakowski: Cuisenaire Rods- number relationships

00:31:33 Nicolette Nalu: Cuisenaire Rods for Fractional Reasoning!!

00:31:33 Bony Cellars: pencil n graph paper

00:31:35 Regina Holloway-Kitchings: place value, blocks, fraction tiles or pizza pieces, dice, etc, it gives the students a better understanding of the skill

00:31:35 Patty Baker: unifix cubes, dice, base ten blocks, playing cards

00:31:36 Carol Keeffe Hendries: geometric shapes for language development...slide, flip, turn, etc

00:31:36 Tabitha Stanton: I've used base ten blocks for the same reason you use them. I've also used Judy Clocks. It helps to be able to make the hands on the clocks move to the time.

00:31:37 Jasmine Mills: Double ten frames and counters help students make ten and add on.

00:31:37 Laveta Ebbin: concrete is important for solidifying concepts

00:31:40 Patricia Herdt: fraction circles for equivalent fractions

00:31:40 Cindy Kim: bar models - to see relationships between sizes - fractions but also for modeling part-part-whole

00:31:41 Jennifer Gereshenski: rulers

00:31:41 Hania Bizri: Ten frame unifix cubes

00:31:43 doris Lipari: base ten, fraction strips

00:31:43 Marjie Hicks: unifix rekennek sticks and bits

00:31:44 Rebecca Hill: double number lines

00:31:46 Sophia Stier: Graph paper and color pencils. Visualize and cognitive thinking

00:31:47 Juaacklyn Cunningham: straws and pipe cleaners for building shapes

00:31:47 Rachel Redden: five frames/ten frames/20 frames, bead string

00:31:48 Amiynah Haile: Base Tens Blocks to add and subtract

00:31:48 Jeanine Dormer: Base ten blocks to help visualize and make concepts concrete

00:31:49 Rebecca Udzik: Blocks, animal counters, shapes

00:31:55 Camille Greene: base tens for decimals , foam pattern blocks

00:31:56 Sharon Black-MacKinnon: Cuisenaire rods for fractions

00:31:56 Maria Sampson: dominoes

00:31:58 Monica Avalos: Playing cards, dice,

00:32:00 Janet Jimenez: ten-frames-add/subtract..

00:32:06 Susana Santiesteban: base ten, counters, for adding and subtracting  
00:32:08 Tika Epstein: Concrete examples are so important for our students.  
00:32:10 Sharon Black-MacKinnon: decks of cards (making ten)  
00:32:17 Maria Sampson: rulers for measuring  
00:32:23 Ali Semanision: origami  
00:32:37 Sharon Black-MacKinnon: nctm virtual manips  
00:32:51 Nicolette Nalu: YES!!! ALL Learners!!  
00:32:52 Renee Catalano: There needs to be no "age limit" on manipulates. They help illustrate your thinking and help you visualize the problem at all levels.  
00:33:04 Kelli Gibb: Google slides can be made interactive and have use of shapes as counters  
00:33:09 Melissa Campbell: You are so right, Renee!  
00:33:10 Ali Semanision: Yes! Always use manipulatives.  
00:33:40 Nicolette Nalu: Yes, Renee!  
00:33:55 Deepa Bharath: discover = construct  
00:33:56 Tamara Purry: Interactive  
00:33:58 Clare Harrington: manipulated  
00:33:59 Kris Graham: concepts  
00:34:00 Dina Campbell: both can be manipulated  
00:34:00 Rebecca Hill: "constructing"  
00:34:01 Beth Snoop: interactive  
00:34:02 Fran Huntoon: constructing mathematical concepts  
00:34:02 Renee Catalano: You need to interact with both types of manipulatives  
00:34:02 Bina Kachwala: Both help visualising mathematical ideas  
00:34:02 Donna Behrouzian: interactive  
00:34:03 Laurie McWillie: visuals  
00:34:03 Kelli Gibb: View  
00:34:03 Stacy Timmins: manipulate in both  
00:34:03 Ali Semanision: opportunities for construction meaning  
00:34:04 Maribeth Dennis Bollmann: interactive!  
00:34:04 Monica Avalos: objects that can be manipulated  
00:34:05 Rachelle Broggin: tangible objects  
00:34:05 Amy Landry: manipulated  
00:34:05 Amy Dulak: Allowing it to be manipulated  
00:34:05 Diane Hurley-Leach: interactive  
00:34:05 Karole Van Nostrand: Constructing math meaning  
00:34:05 Jessica Rock: Modern  
00:34:07 Tiffanie Nealy: manipulation  
00:34:07 Janice Novakowski: dynamic  
00:34:07 Rebecca Udzik: view/visual  
00:34:07 Angela Cooper: visual  
00:34:08 Cassandra Proulx: interactive  
00:34:08 Taylor Murphy: manipulate  
00:34:08 Jennifer Ciano: they are both interactive  
00:34:09 Rosemary Sbrocca Auger: use as opposed to interactive'  
00:34:09 Janet Jimenez: Explore possibilities  
00:34:09 Jada Pearson: conceptual

00:34:10 Cerissa Brown: visual  
00:34:10 Claire Andrews: lacking sensory / tactical component  
00:34:11 Bianca Crespo: interactive  
00:34:11 Faith Hettesheimer: interactive  
00:34:11 Heather Smith: illustrate and discover  
00:34:12 Melissa Fast: illustrate thinking  
00:34:12 Jeanine Dormer: physically handle... visual...construct  
00:34:12 Melissa Campbell: something that can be manipulated to show  
child's thinking  
00:34:12 Mary Anne Opila: objects  
00:34:12 Josefina Nava: opportunities  
00:34:13 Ashley Brehl: constructing  
00:34:13 Regina Holloway-Kitchings: interactive, view, visual  
00:34:15 Rebecca Hill: illustrate  
00:34:16 Bianca Crespo: constructing  
00:34:17 Janice Novakowski: conceptual  
00:34:17 Sharon Forman: concrete - visual - interactive  
00:34:18 Pam Cadena: construct knowledge  
00:34:18 Kimberly Jones: Constructing and discovering math  
00:34:18 Donnie Allen: Algebra tiles  
00:34:19 Sheryl Bostelman: visual, manipulative  
00:34:19 Kristine Pilla: interactive, visual, DISCOVER  
00:34:20 Lisa Lindsey: illustrate, construct, discover  
00:34:20 Diane Hurley-Leach: opportunities  
00:34:20 Ute Moore: changable  
00:34:21 Marie Clarke: physical handle  
00:34:22 Nadia Messadi: start with physical then virtual  
00:34:22 Shawna Sonksen: programmable features  
00:34:23 Allyson Guida: Makes numbers real  
00:34:23 Ali Semanision: math in action  
00:34:23 Monica Avalos: Constrict mathematical concepts  
00:34:24 Rebecca Cross: They are used to construct meaning, its visual.  
00:34:25 Bina Kachwalla: inquire math  
00:34:26 Amanda Nica: discover concepts  
00:34:27 Amiynah Haile: handle/manipulate  
00:34:27 Sondra Mackie: interactive, physical, mathematical  
00:34:27 Liz Means: construct meaning of mathematics and knowledge  
00:34:27 Khaalia Taylor: discover concepts and construct knowledge  
00:34:27 Patty Baker: discover and constructing  
00:34:28 Carol Keeffe Hendries: "present oportunitites"  
00:34:29 Sarah Dickie: construcing concepts  
00:34:31 Tammy O'Grady: manipulate and interactive properties of them both  
00:34:33 Monica Avalos: interactive  
00:34:33 Jessica Rock: Changing  
00:34:35 Evette Reece: representation, visual  
00:34:36 Patricia Herdt: Mathematical understanding  
00:34:37 Deborah Scott: mnaipulted  
00:34:37 Lauren Heimburger: I think the access to "Virtual"  
manipulatives were probably quite limited in 1994. There's been an evolution  
00:34:39 Michele Masick: hands-on



00:34:42 Leona MaasBekkers: Once they have used the physical then they are able to use virtual because they already have understanding of the manipulatives.

00:34:43 Alison Pepero: illustrate, manipulate, concreate

00:34:43 Regina Holloway-Kitchings: discover-construct knowledge

00:34:50 Lisa Clem: It's can be visual not just something physical that can be held and moved.

00:34:51 Deborah Scott: present opportunities

00:34:53 LaRosa Schexnayder: physically handle, opportunities

00:34:53 Shelly Jones: Discover/construct math concepts/knowledge

00:34:53 Randi Goetke: physically handling

00:34:57 Maria Sampson: reinforce visual spatial perception

00:34:59 Cindy Bryant: interactive, illustrative

00:35:05 Sarah Dickie: Love this quote!

00:35:08 Karen Owens: constructing math knowledge

00:35:22 Leslie Texas: The manipulation allows them to be strategic

00:35:23 Michelle Kivett: It's like play

00:35:23 Renee Catalano: Students need to be able to explain what the manipulatives represent

00:35:53 Sharon Black-MacKinnon: true

00:35:54 Patricia Herdt: visual understanding

00:36:04 Branch Pronk: how they can build connections

00:36:13 Bina Kachwalla: Introduction of manipulative is imp

00:36:38 Ginger Foran: It's not necessarily WHAT the tool is, it is HOW you use it! :)

00:36:44 Laveta Ebbin: connections with using the manipulatives and the concepts is needed

00:36:47 Amiynah Haile: Manipulating enhances the interaction between your hands, eyes, and your brain.

00:36:58 Laronda Raines-Langham: "How do I know what I think, until I see what I say"...It's all about meaning and connections!

00:38:03 Enkelejda Limani: 5

00:38:03 Konya Houston: 5

00:38:04 Emily Foyt: 5

00:38:05 Adina R: 5

00:38:05 Pam Jones: 1

00:38:05 Natalie Davis: 5

00:38:05 Jessica Rock: 1

00:38:05 Ali Semanision: 1

00:38:05 Emily Johnson: 1

00:38:06 Bianca Crespo: 1

00:38:06 Kris Graham: 5

00:38:06 Nicolette Nalu: 4

00:38:06 Melissa Forde: 1

00:38:06 Patti Sanders: 1

00:38:06 Stacy Timmins: 1

00:38:06 Patricia Ishihara: 1

00:38:06 Josefina Nava: 1

00:38:06 LA VERNE MITCHELL: 1

00:38:06 Shelly Jones: 1

00:38:06	Taylor Murphy:	1
00:38:06	Jennifer Ciano:	1
00:38:06	Derrick Lewis:	4
00:38:06	Tamara Purry:	1
00:38:06	Susan Spigelmre:	1
00:38:06	Kim Spencer:	1
00:38:06	Sarah Dickie:	1
00:38:06	Patricia Ferris:	4
00:38:07	Kelsey Schreiber:	0
00:38:07	Courtney Humphreys:	1
00:38:07	Gail Rodgers:	5
00:38:07	Jessica Rueckert:	1
00:38:07	Claire Andrews:	1
00:38:07	Lindsay Neely:	1
00:38:07	Trisha Pickett:	1
00:38:07	Amanda Nica:	1
00:38:07	Monica Avalos:	1
00:38:07	Janaki Nagarajan:	1
00:38:07	Laurie McWillie:	1
00:38:07	Rosemary Sbrocca Auger:	1
00:38:07	Maria Louvaris:	1
00:38:07	Dina Campbell:	1
00:38:07	Lise Potter:	1
00:38:07	Pamela Gavina:	1
00:38:07	Jasmine Mills:	1
00:38:08	Rebecca Hill:	5!
00:38:08	Tabitha Stanton:	1
00:38:08	Michelle Matsuzaki:	1
00:38:08	Leona MaasBekkers:	1
00:38:08	Renee Catalano:	4
00:38:08	Jada Pearson:	1
00:38:08	Janet Jimenez:	1
00:38:08	Linda Catalano:	3
00:38:08	Shari Sklar:	1
00:38:08	Deborah Scott:	1
00:38:08	Stephanie Izzard:	1
00:38:08	Clare Harrington:	4
00:38:08	Bina Kachwalla:	1
00:38:08	Barb Fukushima:	1
00:38:08	Kelly Kratz:	1
00:38:08	Leslie Texas:	1
00:38:08	Cerissa Brown:	1
00:38:08	Randi Goetke:	1
00:38:08	Shawna Sonksen:	5
00:38:08	Kendra Laymon:	1
00:38:08	Liz Morris:	1
00:38:08	Mary Anne Opila:	1
00:38:08	Khaalia Taylor:	1
00:38:08	Melissa Campbell:	2
00:38:08	Stephanie Rish:	1

00:38:08	Jennie Haynes:	1
00:38:08	Katrin Cottingham:	1
00:38:08	Megan Wenger:	1
00:38:08	Janice Novakowski:	5
00:38:08	Renee Cummins:	3
00:38:08	Faith Hettesheimer:	1
00:38:09	Amy Dulak:	1
00:38:09	Rochelle Peasley:	5
00:38:09	Leticia Chapa:	1
00:38:09	Beth Snoop:	1
00:38:09	Teresa Saueressig:	1
00:38:09	Kathleen Wyckoff:	1
00:38:09	Terri Smith:	1
00:38:09	Lyndsay Freed:	1
00:38:09	Heidi Hague:	1
00:38:09	Ramona Hall:	1
00:38:09	Julie Miller:	1
00:38:09	Lisa Kowalski:	1
00:38:09	Judith Florczak:	1
00:38:09	Takeima Ricks:	1
00:38:09	Erin Hamson:	5
00:38:09	Sandra Johnson:	1
00:38:09	Patricia Herdt:	1
00:38:09	Nadia Messadi:	5
00:38:09	Lynn Lafferty:	1
00:38:09	Laronda Raines-Langham:	1
00:38:10	Cassie Marotta:	1
00:38:10	Karen Owens:	1
00:38:10	Amy Montgomery:	1
00:38:10	Andrea Lipper:	1
00:38:10	Allyson Guida:	1
00:38:10	Tamara Jackson:	1
00:38:10	Rebecca Cross:	1
00:38:10	Cindy Kim:	2
00:38:10	Nancy Soclof:	1
00:38:10	Andrea Cunningham:	1
00:38:10	Tanaga Rodgers:	1
00:38:10	Juaacklyn Cunningham:	3
00:38:10	Kylen Boddie:	1
00:38:10	Dawn Williams:	1
00:38:10	Sharonda Ware:	1
00:38:10	Inger Murphy:	1
00:38:10	Marie Clarke:	1
00:38:10	Jordan Weatherford:	3
00:38:10	Meghan Daniel:	1
00:38:10	Elizabeth Marzana:	1
00:38:10	Ann Marie Nee:	2
00:38:10	Kim Schoenau:	3
00:38:10	Christy Woody:	3
00:38:10	Ashley Brehl:	3

00:38:10	Susan Gray:	1	
00:38:11	Kimberly Jones:	5	
00:38:11	Leslie Sorace:	1	
00:38:11	Eva Price:	1	
00:38:11	karen weaver:	1	
00:38:11	Andrea Lee:	1	
00:38:11	Michelle Ellam:	1	
00:38:11	Amy Landry:	2	
00:38:11	Jeanine Colwell:		6
00:38:11	Monica Parraga:	1	
00:38:11	Branch Pronk:	1	
00:38:11	Lisa Dilonardo:	1	
00:38:11	Lisa Morenoff:	1	
00:38:11	Joy Brenzavich:	1	
00:38:11	Bonnie Angel:	1	
00:38:11	Amy Kellem:	1	
00:38:11	Maribeth Dennis Bollmann:		1
00:38:11	Jordan Stein:	1	
00:38:11	Roberta Rotolo:	1	
00:38:11	Kate Magie:	1	
00:38:11	Kelli Gibb:	1	
00:38:11	Alfreida S Jamison:		1
00:38:11	Monica Terry:	1	
00:38:12	Terri McCarthy:	1	
00:38:12	Rebecca Gonzalez-Kreisberg:		1
00:38:12	Monique Cabellon:		3
00:38:12	Gayle Allen:	1	
00:38:12	Amiynah Haile:	1	
00:38:12	Cheryl McElroy:	2	
00:38:12	Molly Pomposelli Pomposelli:		1
00:38:12	Cassandra Proulx:		1
00:38:12	Dave Hankin:	1	
00:38:12	Laveta Ebbin:	1	
00:38:12	Marcia Balkin:	1	
00:38:12	Carol Keeffe Hendries:		ONE
00:38:12	Deepa Bharath:	1	
00:38:12	Rebecca Hill:	5	
00:38:12	Lisa Howell:	1	
00:38:12	Pam Cadena:	2	
00:38:12	David Barnes:		3.2
00:38:12	Jennifer Hall:	1	
00:38:13	Jeanine Dormer:	3	
00:38:13	Patty Baker:	3	
00:38:13	Deborah Spear:	1	
00:38:13	Maria Gonzalez:	1	
00:38:13	Pamela West:	1	
00:38:13	Maximo Gimeno:	5	
00:38:13	Kristine Pilla:	1	
00:38:13	Jessica Cooper:	1	
00:38:13	Elyse Lerman:	4	

00:38:13	Sharon Stoeckel:	1
00:38:13	Sharon Sommer:	1
00:38:13	Kelly Curtis:	0
00:38:13	Lisa Clem:	1
00:38:13	Kathy Reynolds:	1
00:38:13	Jordan Reed:	1
00:38:13	Tonya Burke:	1
00:38:14	Nellie Alvarez:	no idea
00:38:14	Jennifer Hinrichs:	1
00:38:14	Karole Van Nostrand:	2
00:38:14	Staci Erickson:	3
00:38:14	Toni Galassini:	2
00:38:14	Nicole McCarthy:	4
00:38:14	Lesley Kurth:	1
00:38:14	Bony Cellars:	1
00:38:14	Ann Neely:	3
00:38:14	Desylin Culliver:	5
00:38:14	Angela Cooper:	1
00:38:14	Kelly Kuster:	3
00:38:14	Camille Nemanic:	1
00:38:15	sunny thomas:	1
00:38:15	Rebecca Udzik:	#1
00:38:15	Wendy McGrael:	1
00:38:15	Susanna Guerra:	1
00:38:15	Beth Nalker:	1
00:38:15	Cheryl Wallace:	1
00:38:15	Cindy Bryant:	2.5
00:38:15	Michelle Kivett:	1
00:38:15	Hania Bizri:	2
00:38:16	Lynn Lafferty:	1
00:38:16	Denise Walston:	1
00:38:16	Ona Ryan:	1
00:38:16	Tiffanie Nealy:	1
00:38:16	Janelle Koski:	1
00:38:16	Jennifer Gereshenski:	1
00:38:16	Courtney Cooper:	1
00:38:17	Rachelle Broggin:	1
00:38:17	Laura Goss:	1
00:38:17	Carrie Daniels:	2
00:38:17	Kim Neill:	5
00:38:17	Amy Henderson:	3
00:38:17	Katie Staub:	1
00:38:17	LaRosa Schexnayder:	4
00:38:17	Mary Dugas:	1
00:38:17	Lisa Anderson:	1
00:38:18	Sondra Skaggs:	1
00:38:18	Regina Holloway-Kitchings:	1
00:38:18	Daniel Irving:	3
00:38:18	Marie Hannon:	1
00:38:18	Joan Whitfield:	2

00:38:19	Alison Pepero:	2
00:38:19	Cindy Luper:	1
00:38:19	Denise Jackson:	1
00:38:19	Emily Austin:	1
00:38:19	Alfreida S Jamison:	1
00:38:19	Evette Reece:	0
00:38:19	Diane Murphy:	1
00:38:19	Rachel Redden:	3
00:38:19	Janika Lee:	1
00:38:20	Valerie Clay:	1
00:38:20	Kathy Villarreal:	3
00:38:20	Bony Cellars:	1
00:38:20	Paula Faust:	1
00:38:21	Stacy Sammons:	1
00:38:21	Virginia Lopez:	1
00:38:21	Martha Duncan:	2
00:38:22	Melissa Fast:	2
00:38:22	Ute Moore:	2
00:38:22	Mohamed Jamaludeen Thirapusa Mohaideen:	substitution
00:38:23	Brook Hatch:	1
00:38:23	Sheryl Bostelman:	1
00:38:23	Nellie Alvarez:	no idea
00:38:24	Annette Gushue:	0
00:38:25	Betsy Kerstetter:	1
00:38:25	Julia Sierra-Bond:	0\
00:38:25	Alfreida S Jamison:	1
00:38:26	Mandelia Fisher:	1
00:38:26	joy harvie:	1
00:38:27	Maria Sampson:	2.5
00:38:28	Shayla Goldsmith:	1
00:38:28	Mohamed Jamaludeen Thirapusa Mohaideen:	Modification
00:38:28	Jennifer Cygan:	1
00:38:29	Athanasia Douros:	no idea
00:38:30	Diane Hurley-Leach:	2
00:38:30	Terri Sierra:	1
00:38:31	Marnie Penney:	1
00:38:32	Nonye Obiora:	1
00:38:34	Jazavier Smith:	1
00:38:34	Deanna Rigdon:	1
00:38:34	Inger Murphy:	0
00:38:35	Lisa Lindsey:	3
00:38:36	Linda Smith:	2
00:38:37	Jodi Ryan:	3
00:38:38	Danielle Logue:	1
00:38:39	Mohamed Jamaludeen Thirapusa Mohaideen:	Redefinition
00:38:40	Stephanie Prato:	1
00:38:40	Laurie Barker:	0
00:38:40	Laurie Barker:	0
00:38:41	Deanna Goins:	1
00:38:42	Theressa Sawyer:	0

00:38:44 Sondra Mackie: 1  
00:38:47 Mohamed Jamaludeen Thirapusa Mohaideen: Augmentation  
00:38:52 Dale Pasino: 1  
00:38:55 Megan McPartland-Matrick: 0  
00:39:00 Tammy O'Grady: 2  
00:39:17 Rosa Zuniga: 1  
00:39:42 Chonda Long: Do you have a question?  
00:39:47 David Barnes: <http://bit.ly/NCTMVM2020>  
00:39:47 Patty Baker: like a number line that expands between the numbers  
00:40:04 David Barnes: Slides are at  
<http://bit.ly/NCTMVM2020>  
00:40:08 Sarah Dickie: That is one of my favourites too!  
00:40:56 Renee Catalano: Hi Rosa!!  
00:41:20 Jan Back: Hello from Jan Back in Hampton, Tennessee  
00:41:40 Stacie Mach: Stacie Mach, Humble Texas  
00:41:48 Velma Guidry: Hello, Velma from Beaumont, Tx  
00:41:53 Cindy Bryant: Love this model...  
00:42:05 Monica Avalos: Good visual  
00:42:05 Heidi Hague: I like this!  
00:42:22 Chonda Long: <https://www.mathlearningcenter.org/resources/apps>  
00:42:27 Carrie Daniels: I use these often!  
00:42:29 Sharon Black-MacKinnon: Love the visual  
00:42:33 Ann Neely: Is it okay to use these tools even if you aren't  
using the Bridges curriculum?  
00:42:41 Derrick Lewis: Yes they are free  
00:42:52 Sharon Black-MacKinnon: Free is great!!  
00:42:53 Laronda Raines-Langham: Love this site!  
00:42:54 Chonda Long: <https://www.mathlearningcenter.org/resources/apps>  
00:42:54 Mary Anne Opila: great  
00:42:56 Laurie McWillie: yay! no log in  
00:43:16 Mandelia Fisher: Can you use these manipulatives on other  
devices other than on a computer  
00:43:21 Rebecca Hill: LOVE these sites!  
00:43:34 sunny thomas: Any way to download it as a pdf  
00:43:35 Taylor Murphy: these are awesome!  
00:43:39 Theresa Sawyer: this is awesome  
00:44:17 Josh Rosen: Braining Camp manips are pretty similar I think  
00:44:47 Courtney Cooper: Braining camp is what I am using now bc it  
is currently free, but normally you have to pay  
00:44:51 Chonda Long: <http://bit.ly/NCSMshapes>  
  
00:45:43 Courtney Cooper: This is literally the lesson I have to make  
for next week's lessons!  
00:46:05 Annette Gushue: can't get in  
00:46:08 Megan McPartland-Matrick: I am in  
00:46:10 Jeanine Dormer: I'm in  
00:46:11 Tamara Purry: :)  
00:46:12 Herminio Planas: I am in  
00:46:12 Kelly Kuster: I am in  
00:46:13 Khaalia Taylor: I'm in

00:46:13 LA VERNE MITCHELL: i am in  
00:46:14 Melissa Fast: I am in  
00:46:15 Michelle Matsuzaki: I'm in  
00:46:18 Konya Houston: Im in  
00:46:18 Susan Gray: I'm in  
00:46:19 Lisa Anderson: I'm in  
00:46:19 Ashley Brehl: I'm in  
00:46:19 Natalie Davis: I'm in  
00:46:19 Patricia Ferris: I'm in and playing with shapes!  
00:46:19 Sharon Black-MacKinnon: in  
00:46:19 Ann Neely: I'm in  
00:46:20 Maria Gonzalez: I am in  
00:46:21 Pam Cadena: all good!  
00:46:22 Deborah Scott: I'm in  
00:46:23 Jennie Haynes: im in  
00:46:23 Leigh Tompkins: in1  
00:46:24 Laronda Raines-Langham: I'm in!  
00:46:24 Alice Dahlstrom: I am in  
00:46:25 Lisa Lambuth: It worked to click on your link!  
00:46:28 Wendy McGrael: I am in  
00:46:30 Lisa Howell: I am in :D  
00:46:30 Regina Holloway-Kitchings: in  
00:46:31 David Barnes: <http://bit.ly/NCSMshapes>  
00:46:32 Leigh Tompkins: copy paste the link  
00:46:33 Linda Catalano: in  
00:46:33 Adina R: I'm in  
00:46:34 Megan Wenger: In!  
00:46:35 michelle lovett: i am in  
00:46:36 Bianca Crespo: I'm in  
00:46:37 Kris Graham: can you see what we make  
00:46:39 Susana Santiesteban: It worked. This is so neat  
00:46:39 Heather Smith: NCSMshapes  
00:46:40 Jasmine Mills: I'm in!  
00:46:44 Rebecca Udzik: in  
00:46:44 Kathleen Wyckoff: IN! :)  
00:46:45 Theresa Sawyer: in  
00:46:49 Mohamed Jamaludeen Thirapusa Mohaideen: I am in . Thanks!  
00:46:49 Christine Martin: I'm im.  
00:46:51 Leslie Sorace: in  
00:47:03 Terri Smith: in  
00:47:10 Monica Avalos: My page froze. Hope it's not because we're all on it  
00:47:14 Jasmine Mills: This is wonderful I have to teach shapes next week!  
00:47:23 Michelle Kivett: I can't rotate  
00:47:52 Adina R: I have 4 ways using only one color. Should we mix colors?  
00:47:57 Olivia DeBruin: please!  
00:47:58 Annette Gushue: can't get in  
00:48:04 Melissa Fast: it doesn't give the option to download the PDF  
00:48:16 Marjie Hicks: wont rotate for me  
00:48:18 Alison Pepero: Having trouble getting on the app



00:48:25 Chonda Long: <http://bit.ly/NCSMshapes>

00:48:28 Dana Westveer: Are there 3D shapes on this site?

00:48:31 Bina Kachwalla: This is awesome

00:48:32 Megan Wenger: Can you change the size of shapes?

00:48:33 David Barnes: Slides at  
<http://bit.ly/NCTMVM2020>

00:48:35 Kris Graham: yes its fun!

00:48:41 Michelle Kivett: The rotation "button" is not working, even with the shape selected.

00:48:53 Melissa Fast: You cannot download the slides only view them

00:48:55 Julie Miller: Can this be done on a phone?

00:48:59 Monica Avalos: Mine was working fine bu the page is now unresponsive

00:49:06 Janet Jimenez: Able to log in and explore.

00:49:08 Annette Gushue: will we get the link to caves skides

00:49:14 Kelsey Schreiber: This is such a neat resource! The math curriculum my district uses has a game just like this called "fill the hexagons".

00:49:18 Kris Graham: cool you can resize!

00:49:19 Lisa Morenoff: What does the protractor do?

00:49:29 Annette Gushue: daves slides can we get a copy of it

00:49:41 Bina Kachwalla: we do this with physical ones

00:49:42 Kris Graham: you can change them - sizes colours etc

00:49:44 Konya Houston: I love the way that we can change the size of the shapes

00:49:48 Cindy Kim: Did it have to be a regular hexagon?

00:49:49 Megan Day: We won't run out

00:49:52 Mary Anne Opila: fine motor skills

00:49:52 Patricia Ishihara: Frustrating...?

00:49:52 Erin Hamson: UNLIMITED MATERIALS

00:50:00 Dave Hankin: A little tougher to maneuver...

00:50:02 Ali Semanision: enough for everyone

00:50:05 Gail Rodgers: QUIET

00:50:07 Patricia Ishihara: tough to maneuver

00:50:10 Ann Neely: Yes! Cost is no longer a barrier!!!

00:50:11 Julie Miller: These are very quiet!

00:50:12 Amy Paladino: I have used screen share with these manipulatives during Zoom Math Talks with students and we all can manipulate the screen at the same time.

00:50:14 Ali Semanision: no cleanup

00:50:16 Leslie Sorace: more relatable at this time in the world because kids love technology, especially phones

00:50:18 Kris Graham: HA HA

00:50:21 Pam Cadena: choice of colors

00:50:21 Taylor Murphy: there's the added complication of using the computer to turn

00:50:22 Regina Holloway-Kitchings: not noisy

00:50:24 Monica Avalos: Easy cleanup

00:50:25 Barb Fukushima: hard for younger kids to manipulate (I teach K)

00:50:26 Bina Kachwalla: accesibilty for all

00:50:31 Ginger Foran: No clean up!  
00:50:33 Ona Ryan: can't eat them  
00:50:33 Lisa Morenoff: you can change the colors!  
00:50:37 Rachelle Broggin: they wont break  
00:50:37 Adina R: they click together  
00:50:38 Jennifer Hinrichs: Once placed, they don't shift  
00:50:42 Khaalia Taylor: Change colors  
00:50:44 Renee Catalano: can't be swallowed, liberated, or need to be  
sanitized!  
00:50:44 Roberta Rotolo: at first, the students may have problems  
rotating...but they will learn quickly !!!!!  
00:50:45 Heidi Schnabel: what about kids who have difficulties with spatial  
tasks?  
00:50:46 Ali Semanision: i like the overlay  
00:50:47 Terri Streicher: easy clean up  
00:50:48 Ann Neely: I do wonder about the additional time it would take  
to use these, maybe that would improve over time?  
00:50:49 LA VERNE MITCHELL: user friendly  
00:50:56 Linda Smith: You can't put them in your pockets or mouth!  
00:50:56 Joy Brenzavich: don't need storage for them  
00:50:57 Lisa Clem: Like someone else, easy clean up!  
00:50:57 Diane Hurley-Leach: can be tough to get it exactly right  
00:50:58 Jennifer Lourenco: Not a choking hazard  
00:51:00 Laronda Raines-Langham: They're not a choking hazard.  
00:51:02 Shelly Jones: That was fun!  
00:51:03 Faith Hettesheimer: User friendly and easy cleanup  
00:51:10 Penny Jensen: I cant rotate them Help  
00:51:16 Jennifer Cygan: no shifting no throwing  
00:51:18 Patricia Ishihara: Hard to maneuver if not a touch screen and  
if no mouse  
00:51:20 Lisa Morenoff: You can use the protractor to measure specific  
angles.  
00:51:21 Maria Louvaris: Great way for teacher to use for whole class  
demonstrations  
00:51:23 Claudia Phelps Wade: If students are using this they can also  
learn to control the mouse, better fine motor control  
00:51:27 Kris Graham: lasso them too'  
00:51:27 Diane Anderson: User friendly  
00:51:31 Diane Gordon: I agree Barb (PreK) I think i would start with the  
physical then move to virtual  
00:51:38 Tiffanie Nealy: I would let he students "investigate" as we did  
before giving an expectation, maybe with a parent for the younger ones  
00:51:39 Christine Percy: measure angles  
00:51:43 Dave Hankin: I just got them to snap...very nice  
00:51:45 Deborah Scott: How do you delete them  
00:51:50 Khaalia Taylor: Can you group them and move the entire group?  
00:51:53 Lorraine Perez: 2d  
00:51:53 Bina Kachwalla: we need both though  
00:51:54 Atiya Hamilton: There's actually a sense of perfection that you do  
not get with the physical ones

00:51:55 Gayle Valdivia: Use felt pads as desk pads to prevent slipping and noise

00:51:56 Dave Hankin: Yes...How do you delete??

00:51:57 Amiynah Haile: Students will concentrate more

00:51:59 Ona Ryan: you can trace them and then delete block

00:52:01 Kris Graham: yes

00:52:06 Cerissa Brown: They are FLAT (2D)

00:52:07 Ashley Brehl: familiar shapes

00:52:07 Kris Graham: lasoo

00:52:08 Leigh Tompkins: took longer to put together

00:52:11 Monica Avalos: you're always going to have enough shapes

00:52:12 Jennifer Cygan: to rotate them click on gray circle then move circle

00:52:12 Pam Jones: You need to think more deeply about how to rotate them when they are virtual.

00:52:17 Regina Holloway-Kitchings: It was more challenging

00:52:18 Ramona Hall: same colors as physical blocks

00:52:21 Jeanine Dormer: You can shift and highlight more than one to move

00:52:25 Adina R: To move a group, make a circle around them and then click on a highlighted block.

00:52:26 Michelle Kivett: Never could get them to rotate.

00:52:30 Dave Hankin: That worked.

00:52:32 Sharon Black-MacKinnon: students love using them

00:52:35 Faith Hettesheimer: Same: you're able to manipulate them

00:52:36 Shelly Jones: It takes a little longer to make each hexagon because of the rotating

00:52:44 Chonda Long: If your hand is raised and you have a question, please type it in the Q and A box.

00:52:47 Monica Avalos: endless creations

00:52:49 Sharon Black-MacKinnon: they are not distracted by others

00:52:49 Deborah Scott: How do you delete them?

00:52:49 Bianca Crespo: this is great for kinder

00:52:52 Kris Graham: AMAZING!

00:52:53 Deanna Rigdon: I love how you can measure the angles on the blocks

00:52:53 Natalie Pipe: I'm skeptical about this platform. I think it could supplement but not replace the physical

00:52:57 Adina R: to help with the rotating thing, duplicate the ones in the right orientation

00:52:57 Marcia Balkin: grab hold of the circle button and pull it to rotate

00:52:59 Faith Hettesheimer: Different: clean up is going to be simple and there is no way they can use them as toys

00:53:09 Chonda Long: <https://www.mathlearningcenter.org/resources/apps>

00:53:09 Sophia Stier: Try different hexagons besides traditional

00:53:12 Sharon Black-MacKinnon: they can be used at many grade levels

00:53:14 Rosemary Sbrocca Auger: At first it does take a while to manipulate the shapes. Which would take longer than hand held manipulatives.

00:53:15 Kathryn Mead: lol

00:53:22 Dave Hankin: But I was having fun.

00:53:23 Ali Semanision: change size!!

00:53:27 Ann Neely: I like the protractor tool.

00:53:28 Bina Kachwalla: an

00:53:30 Lisa Clem: love the protractor  
00:53:32 Ona Ryan: omg so much fun!!!  
00:53:36 Leslie Sorace: might be a great way to get older grade levels  
because it's not "babyish"  
00:53:37 Carrie Daniels: They're free and no storage issues!  
00:53:46 Derrick Lewis: I will dispute that they can't use these as a toy.  
They absolutely could, not that that is bad. I could see them telling a story making  
characters using the blocks.  
00:53:52 Diane Anderson: i like the protractor  
00:53:55 Bina Kachwalla: Level 2  
00:54:03 Sheryl Bostelman: More possibilities  
00:54:12 Rachelle Broggin: engagement  
00:54:13 Heidi Hague: Could be modification if it is a touch screen for  
kids with pincher grasp problems.  
00:54:14 Tamikia Greene: Can you post the link for the slides again  
00:54:48 Amiynah Haile: same: they can be manipulated, different: unlimited  
amount  
00:55:03 Laronda Raines-Langham: bit.ly/NCTMVM2020  
00:55:11 Ali Semanision: easily extend lines for measuring angles  
00:55:22 Tamikia Greene: Thanks  
00:55:35 Bina Kachwalla: awesome questions for my teachers  
00:55:36 David Barnes: Thanks @Laronda!  
00:55:37 Allyson Guida: How do you send it  
00:55:45 Allyson Guida: For students how can they share work?  
00:55:54 Laronda Raines-Langham: You're welcome!  
00:56:07 Ali Semanision: can this be connected to Seesaw for  
sharing/explanation?  
00:56:25 Konya Houston: Modification - You asked up to CREATE as many  
hexagons aa possible  
00:56:46 Tamara Purry: Yes I love snipping  
00:56:49 Kelli Gibb: snipping is a windows tool  
00:56:55 Tamara Purry: yes they can  
00:56:58 Diane Hurley-Leach: How do you snip?  
00:57:26 Tamara Purry: You click on the snip tool and highlight what you  
want to snip.  
00:57:45 Kelli Gibb: It can be added to your chrome as an extention  
00:57:54 Clare Harrington: They have allowed a free Screencastify  
upgrade until the end of june  
00:57:58 Allyson Guida: TEAMS will let you record and share your screen too  
00:58:01 Monica Avalos: There's also Loom for creading videos like screen  
casting, unlimited minutes  
00:58:02 Patricia Ferris: Screencast is unlimited right now code is  
CAST\_COVID  
00:58:06 Lisa Morenoff: Screencastify now allows teachers to access the  
features of the paid version with the free version due to the COVID shutdown.  
00:58:08 Chonda Long: If you have questions, please type them in the Q and  
A box  
00:58:12 Lisa Morenoff: There's a special code.  
00:58:23 Ali Semanision: You could also do this as a Google Meet with sharing  
screens for small groups

00:58:33 Amy Paladino: I have used these manipulatives while sharing my screen during a Zoom session. They can manipulate the screen.

00:58:45 Adina R: Does screencastify allow you to screencast anything other than a chrome tab?

00:58:50 Lyndsay Freed: I really like using Loom also

00:58:52 Kris Graham: Zoom records also

00:58:55 Beth Kobett: Yes, I love these!!!

00:58:57 Melissa Fast: I use during zoom as well and in breakout rooms

00:58:59 Taylor Murphy: @my - the kids can manipulate during Zoom?

00:59:04 Taylor Murphy: @Amy\*

00:59:14 Monica Avalos: I'm so happy I signed up fo this webinar

00:59:31 Ann Neely: Will you be making this recording available? I am meeting with kindergarten teachers tomorrow, and I would love to share this with them!

00:59:57 Derrick Lewis: @Taylor You can turn on remote control. Then students can control your mouse in the zoom.

01:00:04 Adina R: Is he using a chrome browser with a mouse or touching with his finger?

01:00:21 Taylor Murphy: So cool! Thanks Derrick!

01:00:27 Rebecca Hill: hes not using a model..... so neat to watch

01:00:36 Vijay Parulkar: They can use the Annotate function to draw on your image

01:00:41 Ali Semanision: Love hearing his excited sounds

01:00:42 LaRosa Schexnayder: So cute!!

01:00:50 Rachelle Broggin: he replicates what is in his mind, great job.

01:00:51 Virginia Lopez: great job

01:00:52 Kris Graham: sense of achievement

01:00:56 Laronda Raines-Langham: Love it!

01:00:58 Amy Dulak: Love it

01:01:00 Ali Semanision: Awesome!

01:01:00 Amy Lieberman: Great point about him not using a model

01:01:01 Bina Kachwalla: super

01:01:23 Jordan Weatherford: Watching their thinking live

01:01:25 Regina Holloway-Kitchings: great way to see what feedback Is needed for the students

01:01:25 Jessica Rock: Strategies used

01:01:25 Jet Yeung: love how he works

01:01:25 Ali Semanision: their different starting points

01:01:26 Sharon Sommer: see the process

01:01:27 Courtney Humphreys: So helpful to see their process vs just product

01:01:28 Kelsey Schreibel: You get to see the trial and error process

01:01:28 Amy Dulak: thinking process

01:01:28 Maria Louvaris: You can see the thought process

01:01:29 Olivia DeBruin: How they interpret shapes and dimensions.

01:01:29 Donna Behrouzian: shows process

01:01:29 LA VERNE MITCHELL: Makes their thinking visible

01:01:30 Sarah Dickie: you get to see how they get there

01:01:30 Heidi Cromer: can see process as it unfolds up close!

01:01:31 Jada Pearson: See their process

01:01:31 Kimberly Jones: See how they problem solve

01:01:31 Cristina Ordaz: You can see their thought process

01:01:32 Susan Spigelmeier: can see their thinking

01:01:32 Rebecca Hill: Mathematical Practices.... Justification

01:01:32 Rachelle Broggin: what they are thinking virtually

01:01:32 Lyndsay Freed: You see and hear his thought process

01:01:32 Amy Lieberman: It shows his thinking.

01:01:32 Ashley Thompson: You may notice the Misconceptions that students may have

01:01:32 Jennifer Lourenco: We can see their thinking live

01:01:32 Bina Kachwala: Learn about his thinking

01:01:32 Ashley Brehl: you can see his thinking

01:01:33 Tammy O'Grady: see their thinking

01:01:33 Faith Hettesheimer: It shows what they are thinking

01:01:33 Kelly Kuster: hear their math thinking

01:01:33 Ramona Hall: How they think visually

01:01:33 Deepa Bharath: watch process like we watch them in class

01:01:33 Renee Catalano: you can see where they start, what they tried that didn't work

01:01:33 Pam Cadena: their struggle or lack of one

01:01:33 Adina R: LIke you said, the process

01:01:33 Melissa Fast: get to see their processing

01:01:33 Lise Potter: see the process

01:01:34 Sandra Johnson: You see the thinking.

01:01:34 Mary Anne Opila: to see if they get the idea of the thought

01:01:34 Amanda Nica: You can see the attempts made

01:01:34 Monica Avalos: We can hear their thinking

01:01:35 Ann Neely: You get to see the process, instead of the end result.

01:01:35 Lisa Dilonardo: You can see how they self-correct

01:01:35 Megan Wenger: Can see their thinking process

01:01:35 Jennie Haynes: it shows their thinking

01:01:35 Sonya Johnson: you can see their thinking in the moment

01:01:35 Cassandra Proulx: you can see his thoughts

01:01:35 Stephanie Izzard: can see their process and thinking, learning from mistakes

01:01:35 Jazavier Smith: process of thinking

01:01:35 Vijay Parulkar: The way their thinking progresses

01:01:37 Kelli Gibb: Time of the process...trials

01:01:38 Derrick Lewis: You can hear the students thinking sometimes

01:01:38 Shari Sklar: can watch the process

01:01:38 Ute Moore: we can see their thinking about the problem

01:01:38 Linda Catalano: You can see how they change their thinking

01:01:38 Tamikia Greene: Give you an insight on their thinking process (trial and error)

01:01:39 Khaalia Taylor: You can see the process, not just the final product

01:01:39 Dave Hankin: See their thought patterns and what they may be struggling with

01:01:39 Jessica Rueckert: you are learning their process as well as

the product

01:01:39 Virginia Lopez: You can see and here their thinking process

01:01:39 Tammy O'Grady: see the process

01:01:41 Jeanine Dormer: What them troubleshooting

01:01:41 Pamela Gavina: self correction

01:01:41 Teresa Saueressig: Shows how quickly they can master it.

01:01:41 Stephanie Banks: thought process

01:01:41 Marcia Balkin: Ensure that it really is their work!

01:01:42 Karen Owens: you can feel the process

01:01:42 Renee Catalano: see their persistence

01:01:42 Cheryl Wallace: get an idea of their reasoning through a task

01:01:43 Rebecca Udzik: You can see if they struggling or if they get it.

01:01:43 Joan Whitfield: see the steps

01:01:43 LaRosa Schexnayder: WE can see their "gaps" of achievement

01:01:43 Roberta Rotolo: you can watch the learning as it is happening.

01:01:43 Julie Miller: You can catch all children not just a few in the class.

01:01:43 Sheryl Bostelman: You can see what their thought process

01:01:43 Ali Semanision: checking

01:01:44 Laveta Ebbin: You can see how they were thinking

01:01:44 Chonda Long: <https://www.mathlearningcenter.org/resources/apps>

01:01:44 Donna Behrouzian: allows for conversation assessment as well as product

01:01:48 Kathleen Wyckoff: watching the process not just the product

01:01:48 Jordan Weatherford: I would love to have screen record on and hearing what they are thinking

01:01:49 Rebecca Cross: See him puzzling it out:)

01:01:49 Carol Keefte Hendries: perseverance

01:01:50 Deborah Spear: You can see how they're processing

01:01:51 Alison Pepero: their problem solving skills

01:01:51 Monica Parraga: watching their thinking

01:01:51 Molly Pomposelli Pomposelli: See their process and how he moves the objects to "fit"/make

01:01:53 Atiya Hamilton: you can easily check for understanding and see the process they too

01:01:53 Sharon Black-MacKinnon: watch them thinking through and processing their ideas

01:01:53 karen weaver: able to see how they understand shapes and how they fit together.

01:01:54 Valerie Clay: Do they persevere a math practice

01:01:55 Jasmine Mills: Seeing and hearing their processing is great!

01:01:57 Cassandra Proulx: he was talking to himself and making noises

01:01:57 Liz Means: Watch and hear the thinking and mistakes - his self-reflection

01:01:58 Beth Nalker: see self corrections

01:01:58 Heidi Hague: It was interesting to watch him use both the trapezoid and triangle, stop and think about how to do it.

01:01:59 Tiffanie Nealy: shoes his thought process

01:01:59 Leslie Sorace: Thor thinking process and if they get stuck and watch what they do to get it correct

01:02:00 Lisa Clem: You can observe the trial and error process  
01:02:00 Ashley Brehl: you could see he self checked at the end  
01:02:02 Megan McPartland-Mattrick: You keep cutting in and out  
01:02:02 Julie Miller: You can share with parents in a conference.  
01:02:02 Evette Reece: see what they choose  
01:02:03 Theresa Sawyer: you get to see them develop their own  
learning skills  
01:02:03 Tamara Jackson: working through productive struggle  
01:02:04 Marnie Penney: spatial understanding  
01:02:04 Monica Avalos: We can hear the vocabulary they might use, shape  
names, etc.  
01:02:04 Julia Sierra-Bond: more of the the interactive thinking can be  
seen from the student  
01:02:04 Bianca Crespo: It is easier to see what goes on in their minds  
01:02:06 Branch Pronk: see his spatial sense because he knew what direction  
to turn the shape  
01:02:08 Bina Kachwalla: does not ask for help  
01:02:09 Cassandra Proulx: the gears were turning  
01:02:11 Amiynah Haile: Pretty good for a kindergartener  
01:02:12 Rachelle Broggin: determined  
01:02:18 Sarah Dickie: the journey is more important than the destination  
01:02:20 Amanda Nica: You could see if they used an incorrect shape (put  
the triangle for the hexagon)  
01:02:23 Ona Ryan: can feel his success  
01:02:24 Carol Keeffe Hendries: not so many pieces to get in the way...  
01:02:26 Gail Rodgers: I love that you could share this kind of work with  
other students.  
01:02:26 Jessica Cooper: Interesting that he started from the top, while I  
usually start building at the bottom. Different way to view the shape!  
01:02:27 Renee Catalano: You can ask them to explain what they are doing and  
then they are reinforcing their thinking by verbalizing it  
01:02:28 Regina Holloway-Kitchings: you can also use it for progress  
monitoring  
01:02:28 Rosemary Sbrocca Auger: In a group setting, others can discuss what  
works and what doesn't.  
01:02:29 Michelle Emslie: Building process is visible- still just  
theorising about his thinking. good to see process  
01:02:30 Penny Jensen: I CAN rotate now by watching your som  
01:02:34 Janet Jimenez: You can see their understanding of task and process.  
Will the child be able to replicate a hexagon using variations of polygons.  
01:02:36 Amiynah Haile: He persevere  
01:02:39 Karen Owens: engaging  
01:02:50 Ada Hill: Scholars will make mistakes and they think and talk  
how to do this , then when hear she gets done they are excited  
01:03:00 Ann Neely: Yes please!!!  
01:03:01 Amy Lieberman: indicates who is more confident with hexagons  
01:03:01 Rachelle Broggin: please share  
01:03:05 Lisa Howell: please share :)  
01:03:05 Amy Lieberman: who can make one without a model  
01:03:06 Natalie PIpe: Share!



01:03:14 Roberta Rotolo: please show us  
01:03:15 Tracie Linville: share!!  
01:03:19 Ann Neely: This is fantastic. Your whole presentation is exactly what I needed right now.  
01:03:21 Maria Gonzalez: share please  
01:03:26 Bina Kachwalla: This is fantastic  
01:03:31 Melissa Fast: please share  
01:03:31 Denise Trakas: It would be great to have this in a Google folder!  
01:03:34 Jasmine Mills: Nice!  
01:03:35 Tonya Burke: Please share or show  
01:03:40 Sarah Dickie: Do you have a good suggestion for an app that has the big cube?  
01:03:58 Monica Avalos: Oooh!! You can change the size of the shapes too!!  
01:04:04 Ali Semanision: love seeing the 2:1 set up  
01:04:08 Maria Sampson: yes, I love screencastify. I have used it to explain a lesson  
01:04:35 Amy Paladino: I used this today in a math talk with students focusing on multiplying a double digit number by a single digit number. So easy to use duplicate to show the multiplying.  
01:04:40 Adina R: what grade?  
01:04:41 Hania Bizri: I use it for my Pre-K student to record my lessons  
01:04:46 Jasmine Mills: Screencastify is a great way to prerecord lessons.  
01:06:04 Melissa Fast: loom is another great video tool combine with edpuzzle and manipulatives to create formatives  
01:06:36 Ann Neely: Wow, this can really save time. Especially when other parts of instruction will be slowing down.  
01:07:08 Donna Behrouzian: What are the five?  
01:07:57 Deepa Bharath: this is very cool!  
01:08:27 Beth Kobett: Love this!  
01:08:48 Deepa Bharath: LoL! We are brave with you!  
01:08:49 David Barnes: <http://bit.ly/MLCBaseTen>  
01:08:50 Monica Avalos: the five say "supports sharing"  
01:09:01 David Barnes: <http://bit.ly/MLCBaseTen>  
01:09:06 Annette Gushue: how can I open up a tab? I can't unless I shut this off  
01:09:23 Adina R: 1NT4-CVFE  
01:09:26 Pam Cadena: so cool!  
01:09:26 Roberta Rotolo: I don't see the key on my phone  
01:09:33 Janice Novakowski: Yes, opened no problem  
01:09:34 Chonda Long:  
<http://bit.ly/MLCBaseTen>  
  
01:09:35 Kris Graham: Im in!!  
01:09:45 Rebecca Udzik: in  
01:09:46 Meghan Daniel: in  
01:09:47 Jasmine Mills: I'm in with no problem  
01:09:47 Jeanine Dormer: In  
01:09:47 Maria Sampson: in  
01:09:48 Olivia DeBruin: in  
01:09:49 Dave Hankin: Online is fine

01:09:50 Branch Pronk: In  
01:09:51 Jessica Noguchi: I AM IN!! :)  
01:09:52 Jennifer Ciano: the hundreds grids are huge!!!! can they be shrunk?  
01:09:54 Adina R: there's nothing on the screen.  
01:09:55 Cindy Kim: YES  
01:09:56 Kathy Reynolds: im in  
01:09:57 Taylor Murphy: Where do I put the share code in?\n  
01:09:57 Sheryl Bostelman: in  
01:09:59 Mary Anne Opila: am in  
01:10:03 Virginia Lopez: I'm in  
01:10:04 Laveta Ebbin: I'm in  
01:10:04 Sarah Dickie: that was so easy!  
01:10:11 Ute Moore: I'm in  
01:10:13 Barb Fukushima: I'm in  
01:10:17 Adina R: I don't see anything set up on the screen  
01:10:21 Kris Graham: love the duplicate button  
01:10:25 Janice Novakowski: This is an amazing new feature!  
01:10:25 Monica Avalos: Can't get in  
01:10:27 Terri Smith: I'm in  
01:10:31 Taylor Murphy: I only see the base ten tools  
01:10:33 Cristina Ordaz: I dont see anything its blank  
01:10:35 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:10:38 Jessica Noguchi: I can not see it  
01:10:40 Ashley Thompson:  
<https://apps.mathlearningcenter.org/number-pieces/?1dtn8adv>  
01:10:41 Tonya Burke: I don't see tasks  
01:10:44 Maria Gonzalez: I AM IN  
01:10:45 Jeanine Dormer:  
<https://apps.mathlearningcenter.org/number-pieces/?3hvt2c4j>  
01:10:45 Susan Gray:  
<https://apps.mathlearningcenter.org/number-pieces/?4mbqste5>  
01:10:46 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:10:46 Pamela Gavina: where do you enter the code  
01:10:47 Liz Morris: I don't see the task just the tools  
01:10:50 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:10:51 Olivia DeBruin:  
<https://apps.mathlearningcenter.org/number-pieces/?3ywq8hmr>  
01:10:54 Julie Miller:  
<https://apps.mathlearningcenter.org/number-pieces/?1rvadjd0>  
01:10:55 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:10:56 Dave Hankin: I don't see the tasks online  
01:10:58 Sarah Dickie:  
<https://apps.mathlearningcenter.org/number-pieces/?2jhek1qb>  
01:10:58 Kelly Curtis:  
<https://apps.mathlearningcenter.org/number-pieces/?1bm9lf8c>  
01:10:59 Sharon Sommer:

<https://apps.mathlearningcenter.org/number-pieces/?2we4qte6>  
01:10:59 Lorraine Perez:  
<https://apps.mathlearningcenter.org/number-pieces/?34jcd97r>  
01:11:00 Maria Gonzalez: I am in  
01:11:03 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:11:04 Derrick Lewis:  
<https://apps.mathlearningcenter.org/number-pieces/?4awr03aj>  
01:11:07 Tonya Burke: Got it  
01:11:08 Adina R: I needed to zoom out to see the task  
01:11:13 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:11:15 Tracie Linville: I AM IN THE APP BUT WHEN I PUT IN THE CODE I  
DIDN'T GET PROMPT  
01:11:21 Rebecca Hill: might need to scroll up to the top to see anything  
01:11:22 Bina Kachwalla:  
<https://apps.mathlearningcenter.org/number-pieces/?1nt4cvfe>  
01:11:22 Tiffany Moyer:  
<https://apps.mathlearningcenter.org/number-pieces/?txds2350>  
01:11:25 Janel Marr:  
<https://apps.mathlearningcenter.org/number-pieces/?ste33gw7>  
01:11:26 David Barnes:  
<https://apps.mathlearningcenter.org/number-pieces/?3z4btanj>  
01:11:27 Kris Graham: PRYC-SSSP  
01:11:28 Lyndsay Freed:  
<https://apps.mathlearningcenter.org/number-pieces/?4tq7ujbq>  
01:11:29 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:11:34 Kelly Kratz:  
<https://apps.mathlearningcenter.org/number-pieces/?3t0w4vvh>  
01:11:34 Blake Ann Antida:  
<https://apps.mathlearningcenter.org/number-pieces/?1kqf5m5w>  
01:11:34 Laurie Barker: Share Code - B3DU-8RVB  
01:11:35 Lisa Dilonardo:  
<https://apps.mathlearningcenter.org/number-pieces/?3hz0qxlu>  
01:11:37 karen anderson: 3Q7L-X8CS  
01:11:39 heidi eisenreich: C334-AUEF  
01:11:43 Janika Lee: 2C7V-U9BK  
01:11:44 Shayla Goldsmith:  
<https://apps.mathlearningcenter.org/number-pieces/?4krpqrh>  
01:11:44 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:11:45 Emily Johnson:  
<https://apps.mathlearningcenter.org/number-pieces/?1dj6gnrc>  
01:11:50 Patricia Ferris: 4G37-0ZZN  
01:11:51 Susan LaRocque:  
<https://apps.mathlearningcenter.org/number-pieces/?20camqnc>  
01:11:52 Ali Semanision: D9NT-51P5  
01:11:55 Erin Hamson: 19BH-TFAF  
01:11:57 Khaalia Taylor:

<https://apps.mathlearningcenter.org/number-pieces/?16x971hx>  
01:11:58 Natalie Davis:  
<https://apps.mathlearningcenter.org/number-pieces/?m3617mpf>  
01:11:59 Lyndsay Freed: Is there a number line app where students could show their thinking on an open number line?  
01:11:59 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:11:59 Natalie PIpe:  
<https://apps.mathlearningcenter.org/number-pieces/?4lddsbs2>  
01:12:02 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:12:02 Amy Landry: 2KDV-SBSH  
01:12:05 Bonnie Angel: VAT4-8E06  
01:12:05 Amy Paladino:  
<https://apps.mathlearningcenter.org/number-pieces/?4kgzjpps>  
01:12:07 Diane Gordon: 1ZNS-PRLK  
01:12:07 Maribeth Dennis Bollmann:  
<https://apps.mathlearningcenter.org/number-pieces/?3mk5h1zj>  
01:12:07 Jada Pearson: YVJZ-EK6E  
01:12:07 Jordan Weatherford:  
<https://apps.mathlearningcenter.org/number-pieces/?19aedpk3>  
01:12:08 Pamela West: how do we share back again?  
01:12:09 Courtney Cooper:  
<https://apps.mathlearningcenter.org/number-pieces/?2usem6hd>  
01:12:09 Erin Hamson: 19BH-TFAF  
01:12:10 Fran Huntoon: 2HG2-0Y7Z  
01:12:11 Adina R:  
<https://apps.mathlearningcenter.org/number-pieces/?q07cbpkp>  
01:12:11 Clare Harrington:  
<https://apps.mathlearningcenter.org/number-pieces/?3p5wp4zj>  
01:12:13 Megan Wenger:  
<https://apps.mathlearningcenter.org/number-pieces/?2l76j6au>  
01:12:14 Amanda Arney:  
<https://apps.mathlearningcenter.org/number-pieces/?2xapxudv>  
01:12:14 Michelle Kivett:  
<https://apps.mathlearningcenter.org/number-pieces/?2sdunpg6>  
01:12:15 Tammy O'Grady:  
<https://apps.mathlearningcenter.org/number-pieces/?1q4nytvp>  
01:12:15 Terina Legge: KAJD-WTHY  
01:12:16 Leslie Texas:  
<https://apps.mathlearningcenter.org/number-pieces/?2zugqe7>  
01:12:23 Angela Cooper:  
<https://apps.mathlearningcenter.org/number-pieces/?1nt4cvfe>  
01:12:24 Kristi Pramuka: JSY1-BS8P  
01:12:25 Dave Hankin: Okay, now I've got it.  
01:12:27 Allyson Guida:  
<https://apps.mathlearningcenter.org/number-pieces/?4grnlfvt>  
01:12:27 Janette Kiso:  
Join Zoom Meeting

<https://cs1.zoom.us/j/94003538528>

Meeting ID: 940 0353 8528

Password: Irish

One tap mobile

+16699006833,,94003538528# US (San Jose)

+12532158782,,94003538528# US (Tacoma)

Dial by your location

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 312 626 6799 US (Chicago)

+1 646 558 8656 US (New York)

+1 301 715 8592 US (Germantown)

Meeting ID: 940 0353 8528

Find your local number: <https://cs1.zoom.us/u/ac4nSEqMIc>

Warmest regards,

Doris

Doris Garrett

Administrator

Redondo Beach Center for Spiritual Living

907 Knob Hill Ave

Redondo Beach, CA 90277

310-540-5080

23DL-KTV5

01:12:29 Lise Potter: 29N1-LCW9  
01:12:31 Lisa Lambuth:  
<https://apps.mathlearningcenter.org/number-pieces/?tg73xjv7>  
01:12:36 Cheryl Wallace:  
<https://apps.mathlearningcenter.org/number-pieces/?wg559f78>  
01:12:37 Patty Baker:  
<https://apps.mathlearningcenter.org/number-pieces/?469t7m9e>  
01:12:40 Kris Graham:  
<https://apps.mathlearningcenter.org/number-pieces/?2jj56fe1>  
01:12:45 Monique Cabellon:  
<https://apps.mathlearningcenter.org/number-pieces/?hbmywedu>  
01:12:45 Sonya Johnson:  
<https://apps.mathlearningcenter.org/number-pieces/?r9hms4ed>  
01:12:47 Rachel Redden:  
<https://apps.mathlearningcenter.org/number-pieces/?3wmln6t8>  
01:12:50 Cassandra Proulx: Do we need to send you our code too?  
01:12:50 Natalie Davis:  
<https://apps.mathlearningcenter.org/number-pieces/?4gccqp3n>  
01:12:51 Amy Lieberman: 17VG-9DGS  
01:12:54 Laurie McWillie:  
<https://apps.mathlearningcenter.org/number-pieces/?1q272w77>  
01:12:55 Betsy Kerstetter:  
<https://apps.mathlearningcenter.org/number-pieces/?bnby6l7g>  
01:12:55 Adina R:  
<https://apps.mathlearningcenter.org/number-pieces/?q07cbpkp>  
01:12:58 Dina Campbell:  
<https://apps.mathlearningcenter.org/number-pieces/?9tdpc0kh>  
01:13:02 Kris Graham:  
<https://apps.mathlearningcenter.org/number-pieces/?2jj56fe1>  
01:13:11 Jessica Rock: 3LS2-P303  
01:13:12 Ashley Simmons: 4f12-up66  
01:13:13 Sandra Johnson:  
<https://apps.mathlearningcenter.org/number-pieces/?34q14s4b>  
01:13:13 Kimberly Jones:  
<https://apps.mathlearningcenter.org/number-pieces/?2uhxfr3g>  
01:13:13 Branch Pronk: 30B5-7TTU  
01:13:18 Patricia Ishihara:  
<https://apps.mathlearningcenter.org/number-pieces/?fh4ct9k0>  
01:13:19 Shaun Martinez: 11K8-3KU5  
01:13:19 Jane Yang: 2KBU-N5B5

01:13:19 Pam Cadena:  
<https://apps.mathlearningcenter.org/number-pieces/?32wqejak>

01:13:23 Pam Jones:  
<https://apps.mathlearningcenter.org/number-pieces/?1115prxg>

01:13:24 Marianne Mammon:  
<https://apps.mathlearningcenter.org/number-pieces/?24p0e6t4>

01:13:27 Kelli Gibb:  
<https://apps.mathlearningcenter.org/number-pieces/?4jxkgsuz>

01:13:29 Tonya Burke:  
<https://apps.mathlearningcenter.org/number-pieces/?1dtn8adv>

01:13:33 Jane Yang:  
<https://apps.mathlearningcenter.org/number-pieces/?2kbun5b5>

01:13:35 Allyson Guida:  
<https://apps.mathlearningcenter.org/number-pieces/?4grnlftv>

01:13:36 Kathy Villarreal: 2KMU-ME53

01:13:38 Leigh Tompkins:  
<https://apps.mathlearningcenter.org/number-pieces/?4qa647ax>

01:13:40 Kendra Laymon: 42BJ-D2C1

01:13:40 Athanasia Douros:  
<https://apps.mathlearningcenter.org/number-pieces/?bwhqc0nq>

01:13:44 Judith Florczak:  
<https://apps.mathlearningcenter.org/number-pieces/?12g97tde>

01:13:44 Stephanie Rish:  
<https://apps.mathlearningcenter.org/number-pieces/?32bk94u6>

01:13:45 Donna Behrouzian:  
<https://apps.mathlearningcenter.org/number-pieces/?3hc04gmz>

01:13:45 Deepa Bharath: 1S2C-73LE

01:13:47 Faith Hettesheimer:  
<https://apps.mathlearningcenter.org/number-pieces/?30g2entx>

01:13:48 Courtney Humphreys:  
<https://apps.mathlearningcenter.org/number-pieces/?1175jtma>

01:13:53 Kris Graham: So Awesome

01:13:56 Bianca Crespo:  
<https://apps.mathlearningcenter.org/number-pieces/?34mssawe>

01:13:57 Tiffanie Nealy: this rocks!!!! thanks for being brave

01:13:59 Cindy Bryant: Love this!

01:14:00 Andina Dwiyani Anwar:  
<https://apps.mathlearningcenter.org/number-pieces/?4h6p8f7c>

01:14:00 Shaun Martinez:  
<https://apps.mathlearningcenter.org/number-pieces/?11k83ku5>

01:14:01 Maria Gonzalez: how do you share your number?

01:14:03 Jennifer Ciano:  
<https://apps.mathlearningcenter.org/number-pieces/?cqbrnr5k>

01:14:05 Marie Clarke:  
<https://apps.mathlearningcenter.org/number-pieces/?jhsf62dn>

01:14:06 Deborah Scott: Can you explain how to send it back to you.

01:14:06 Amy Dulak:  
<https://apps.mathlearningcenter.org/number-pieces/?29uelmx0>

01:14:09 Cassandra Proulx: 3BWA-ZCYU

01:14:10 Regina Holloway-Kitchings: that;s a nice option  
01:14:11 Danielle Hoisington:  
<https://apps.mathlearningcenter.org/number-pieces/?1j305lcm>  
01:14:15 Branch Pronk: This is wonderful! Thank you!  
01:14:17 Bina Kachwalla: This is such a good learning for me  
01:14:20 Megan McPartland-Matrick:  
<https://apps.mathlearningcenter.org/number-pieces/?158uewlf>  
01:14:21 Janice Novakowski:  
<https://apps.mathlearningcenter.org/number-pieces/?2lzc4tmd>  
01:14:27 Tammy O'Grady:  
<https://apps.mathlearningcenter.org/number-pieces/?37tcqs7l>  
01:14:30 Cerissa Brown:  
<https://apps.mathlearningcenter.org/number-pieces/?14j50hzp>  
01:14:31 Adina R:  
<https://apps.mathlearningcenter.org/number-pieces/?1cur55mv>  
01:14:35 Carol Keeffe Hendries: I got a warning when I tried to go onto the  
[bit.ly/MCLB](http://bit.ly/MCLB)  
01:14:37 Rebecca Hill:  
<https://apps.mathlearningcenter.org/number-pieces/?hc4hexvy>  
01:14:46 Teresa Bulanda:  
<https://apps.mathlearningcenter.org/number-pieces/?tyldtn5s>  
01:14:55 Jasmine Mills:  
<https://apps.mathlearningcenter.org/number-pieces/?2mm1rx6g>  
01:15:02 Kristi Gettelman:  
<https://apps.mathlearningcenter.org/number-pieces/?3jdu936k>  
01:15:10 Melissa Fast: <http://bit.ly/MLCBaseTen>  
01:15:20 Sondra Skaggs:  
<https://apps.mathlearningcenter.org/number-pieces/?2m2vhjzp> CODE 2M2V-HJPZ  
01:15:26 Monica Avalos: I couldn't get in to this last activity. Says not a  
secure site.  
01:15:34 Melissa Fast: <http://bit.ly/MLCBaseTen>  
01:15:39 Camille Nemanic:  
<https://apps.mathlearningcenter.org/number-pieces/?227ysdcg>  
01:15:46 Renee Catalano: Really great ideas and resources!  
01:15:57 Eva Price:  
<https://apps.mathlearningcenter.org/number-pieces/?dt5e3k3t>  
01:16:08 Lisa Morenoff:  
<https://apps.mathlearningcenter.org/number-pieces/?4kbtuxsa>  
01:16:13 Cindy Kim:  
<https://apps.mathlearningcenter.org/number-pieces/?2nxbwyhv>  
01:16:46 Shelly Jones:  
<https://apps.mathlearningcenter.org/number-pieces/?vthttp2vb>  
01:17:34 Kathleen Wyckoff: love these ideas! I teach second grade and  
we use Bridges math so my kids are very familiar with many of these manipulatives!  
Looking forward to trying this remotely!  
01:17:37 Diane Hurley-Leach: Showing student work is definitely helpful!  
01:17:42 Bina Kachwalla: i am so excited!! Thank u  
01:17:56 Erica Thompson: LOVE the array problem - perfect for our unit right  
now!  
01:18:01 Elizabeth Marzana: this is awesome! Thank you!



01:18:03 Camille Nemanic:  
<https://apps.mathlearningcenter.org/number-pieces/?4hywcdes>

01:18:09 Lisa Howell: I am really excited to try this!

01:18:12 Monica Avalos: This is so easy to use and something I will be able to use right away

01:18:22 Leigh Tompkins: Agree! This is EXCITING!!!

01:18:27 Ann Neely: Thank you for making this so RELEVANT to what we are doing now, and will be doing in the future..

01:18:29 Maria Sampson: this session was awesome. wish it was a bit longer

01:18:38 Michelle Ellam: Which 5 can students share work?

01:18:39 Crystal buegeler: this is such a great site

01:18:40 Rebecca Hill: YUP thThat was great!

01:18:41 Cristina Ordaz: Yes I saw that it was awesome

01:18:41 Lisa Howell: awesome

01:18:47 Monica Avalos: Exciting

01:19:05 Trena Wilkerson: Cannot wait to see how participants use with their students! Share on Twitter and Facebook and tag #NCTM100 and @NCTM so others can see your ideas and learn!

01:19:18 Shari Sklar: Does the sharing occur in screencastify?

01:19:26 Erica Thompson: I worry about little learners being able to copy and paste their work link back to me

01:19:27 Kris Graham: oh wow I have learnt something new again -EVERY DAY a new thing!!

01:19:51 Vijay Parulkar: My kids screenshot it and attach picture

01:20:03 Annette Gushue: was great thank you but I couldn't access to try all these fun things you offered

01:20:29 Lise Potter: GREAT webinar!! Thanks!!

01:20:39 Vijay Parulkar: <https://jamboard.google.com/> - Whiteboard for kiddos

01:20:47 Beth Kobett: Fabulous!!! Thank you!

01:20:50 Pam Cadena: This was outstanding! I love how you could use it tomorrow, but it also has so much value when we are back in the classroom. THANK YOU!

01:20:52 Leslie Sorace: This was awesome! Can't wait to play around with this app. Thank you very much:)

01:20:55 Diane Hurley-Leach: This was very helpful! Thank you!

01:20:56 Tamra Work: Loved this session!!!

01:20:57 Tonya Burke: Awesome information to take back and use right away!  
Thank You!

01:20:57 Tiffanie Nealy: For little, little ones, parents can take a picture with cell phone and class dojo to teacher for sharing... increase parent engagement and hem learning "new math"

01:21:02 sharon forman: thank you

01:21:03 Marie Hannon: Thank you-aeesome

01:21:09 Julie Militzer: Thank you for this excellent information and helpful virtual manipulative tools!

01:21:15 Tiffanie Nealy: \*them

01:21:18 Carolyn White: Thank you

01:21:18 Kelly Kuster: thank you so much for presentation and sharing your expertise! Be well!

01:21:21 Ann Neely: Yes, they will love this I think.

01:21:22 Rachelle Broggin: parents are able to be involved as well with the little kiddos

01:21:23 Liz Morris: Thank you!

01:21:24 Stephanie Rish: Thank you so much for the virtual tools that my students can use! I am excited to show them it =)

01:21:31 Patricia Herdt: Thank you.

01:21:32 Teresa Bulanda: Great resources! Thank you!

01:21:32 Nikole Manou: Thank you. Very informative!

01:21:32 Marcia Balkin: I have been dreading multi-digit subtraction starting next week but now I am excited to try some of these tools.

01:21:35 Frances Lang: You are awesome!!!!

01:21:36 Theressa Sawyer: Chrissy thank you, this was very informative. can't wait to see how my student uses this.

01:21:37 Tamikia Greene: This session is soooo worth it! Its soooo much I can take back to my teachers (Awesome-sauce)

01:21:39 Lyndsay Freed: can students use this simultaneously while in a class zoom?

01:21:41 Rosemary Sbrocca Auger: Loved this. Thanks for sharing your knowledge and resources.

01:21:41 Bina Kachwalla: For some students will definitely benefit with virtual manipulatives

01:21:42 Elise Goeglein: Great presentation and resources! Thank you!

01:21:46 Tamikia Greene: THANK YOU for this session!

01:21:47 Amy Dulak: Thank you for your time and info!

01:21:49 Jeanine Colwell: great webinar, great resources. thank you so much

01:21:50 Frances Lang: Thank you!

01:21:51 catherine fox: thank you

01:21:53 Denise Jackson: I can't wait to share this with my teacher friends.

01:21:54 Virginia Lopez: This was very informative. I can't wait to try it out with my students.

01:21:59 Shelly Jones: Thank you, this was awesome!

01:22:06 Alison Pepero: Awesome session!! Thank you!!

01:22:07 Cindy Bryant: GREAT presentation Chrissy! So very relevant and timely!

01:22:07 Vijay Parulkar: Tactile - kiddos love to push buttons

01:22:08 Cindy Kim: This has been one of the BEST session I've attended so far! Great suggestions that can be easily implemented Thank you so much!

01:22:17 Maria Gonzalez: Very creative and helpful session!

01:22:18 Ute Moore: Thank you Chrissy! Great info

01:22:20 Amy Marinelli: Thank you!

01:22:26 Maria Gonzalez: Thank You!

01:22:28 Clare Harrington: Thank you. I enjoyed this and found it helpful and the slides make it easy to share the wealth with my colleagues.

01:22:30 Deborah Scott: Can repeat how the student share the work with the teacher?

01:22:31 Leslie Texas: Thanks so much! It was a great session. The hour went by so quickly.

01:22:37 Melissa Forde: This was Great!! Thank you

01:22:37 Kris Graham: already contacted school ICT

01:22:38 Julia Sierra-Bond: This webinar was soooo great. A plethora of math ideas to share with my students.

01:22:39 Susan Gray: Thank you!

01:22:41 Paula Faust: Great webinar, so many useful ideas! Thank you!

01:22:45 Susan Spigelmre: investigate all the manipulatives

01:22:45 Trena Wilkerson: Thank you Chrissy for shrine your great learning ideas and engaging everyone at such a high level!

01:22:46 Kris Graham: More than an app consumer

01:22:47 michelle lovet: This was great

01:22:47 Roberta Rotolo: I would like to share with other teachers at my school

01:22:47 Virginia Lopez: Explore the resources and implementing them with my students.

01:22:47 Elyse Lerman: Thank you!

01:22:49 Kelsey Schreiber: I am going to share these resources with my building math coach!

01:22:50 Patti Sanders: Thank you so much this was great!

01:22:50 Stacy Timmins: To get into them and play with so I can help my students do the same.

01:22:51 karen weaver: Try it with different groups.

01:22:53 Pam Jones: Sharing with math teachers

01:22:54 Randi Goetke: as prek teacher, will explore the apps to see what is developmentall appropriate for them

01:22:54 Fran Huntoon: Thank you Chrissy

01:22:55 Sophia Stier: Thank You

01:22:55 Leslie Sorace: my next step is to explore them more and sharing this with my colleagues

01:22:56 Jet Yeung: Thank you for all your information. It is really interesting. I will try and use it in my classroom. Great presentation.

01:22:57 Deepa Bharath: Sharing the new functionalities with teachers. Trying it out with them. Thank you so much Chrissy!!

01:22:58 Ginger Foran: Using the Math Clock app for a lesson with 3rd graders this week!

01:22:58 Renee Catalano: I'm going to share this with my staff with a task for them to try and then ask them to share how they think they can use it with students ASAP

01:22:58 Courtney Humphreys: Thank you!

01:22:59 Mandelia Fisher: I want to go and maneuver through it and then share with my teacher friends.

01:22:59 Patty Baker: I will use the MATH Apps

01:23:00 Staci Erickson: Engaging my small group learners with exploration.

01:23:00 Beth Snoop: this was great; thanks!

01:23:01 Dina Campbell: Thank you! This was awesome!

01:23:01 Vijay Parulkar: Tools you showed today build up skills to use Dreambox

01:23:02 Bina Kachwalla: Learning

01:23:03 Bianca Crespo: Use it as center activity when in the classroom

01:23:03 Rebecca Cross: Thank you:)

01:23:04 Beth Nalker: design tasks using base ten blocks online!

01:23:05 Carol Keeffe Hendries: going to utilize the app and practice using

the tool

01:23:05 Khaalia Taylor: I will definitely turnkey this information to my colleagues, and plan a sample lesson using the tools shared.

01:23:05 Stephanie Banks: Thanks

01:23:05 Camille Nemanic: I cannot wait to introduce these virtual manipulatives with my students/

01:23:06 Lisa Lambuth: I need to explore more to learn about the functions of the tools. Then I will share with my colleagues!

01:23:06 Monica Avalos: For now, I'm going to use it to get my students motivated to log in to work. I will have them have fun with it for now

01:23:06 Monica Nardone: Thank you! Great apps to use.

01:23:06 Faith Hettesheimer: Thank you for this. So helpful to gain some items we can use with our students right away. Thank you!

01:23:06 Jada Pearson: I am going to try out one of these sharing tasks with counters with my kindergarten small group zoom lessons

01:23:06 Denise Jackson: I can't wait to show my daughter these cool math tools.

01:23:06 Liz Means: Thank you so much! Awesome!! Great session!

01:23:06 Megan McPartland-Matrick: share with my coteacher and model with the students at a zoom, share with admin

01:23:07 Lisa Clem: My next step is to explore them myself and then think about to have my students use them.

01:23:07 Ona Ryan: in my small groups with iPads

01:23:08 Elizabeth Cho: For sure implementing the app

01:23:08 Kathleen Wyckoff: we are rolling out our next round of remote learning this week so looking forward to building this into my plan!

01:23:09 Kristine Pilla: So much great information and I cannot wait to use these with my 2nd graders! Thank you so much!

01:23:10 Kelsey Schreiber: This was really excellent, thank you!

01:23:10 Joanne Foster-Williams: Very good presentation. Thank you.

01:23:11 Liz Morris: I would love to use them during my zoom lessons. I'm not sure how to assign task...need to play

01:23:12 Ute Moore: I will be sharing these sites with my math coach to pass on to the rest of the staff.

01:23:12 Monica Parraga: thank you!

01:23:13 Laveta Ebbin: Great session! Useful!

01:23:13 Kelli Gibb: I love the share link feature...thank you.

01:23:14 Courtney Cooper: I can't wait to use this for my lessons coming up. Wish the shapes could share, but it will still be helpful

01:23:15 Ann Neely: I want to share this with primary teachers tomorrow when we have meetings about planing for math instruction. I can't thank you enough for this. This couldn't have happened at a better time.

01:23:15 Lisa Crawford: Thank you so very much

01:23:15 Amy Dulak: Exploring more of the manipulatives , then integrating into teaching

01:23:16 Susan Spigelmeier: thank you

01:23:16 Takeima Ricks: Using shapes with students. Thank you this was great!

01:23:16 Karen Owens: share with teachers and provide opportunity for them to explore..

01:23:18 Linda Catalano: Thank you! Can't wait to explore these more!

01:23:18 Judith Florczak: We have virtual manipulatives with our on line text.....I love the idea of using screencastify for students to share their work

01:23:19 Branch Pronk: As a coach I will be sharing these apps with my teachers this week! Thank you!

01:23:21 Claudia Phelps Wade: I want to use it to work with my students

01:23:21 Crystal buegeler: I want to explore and share it with my own child and then my online class

01:23:22 Janice Novakowski: Glad this is being recorded as this will be something I will want to share with some of my colleagues - thank you Chrissy.

01:23:22 Laronda Raines-Langham: Thank you so very much!

01:23:23 Renee Catalano: wonderful, thank you!

01:23:23 Jeanine Dormer: We are introducing money! I love that the coins have the visuals of blocks.

01:23:23 Frances Lang: Thank YOU!

01:23:24 Kimberly Jones: I love math learning center apps. I have used them for years. I'm excited about the sharing function. I didn't know that existed.

01:23:24 Leigh Tompkins: I now have some playing to do!!!

01:23:25 Laurie McWillie: Thanks!

01:23:25 Marjie Hicks: sharing with grade level teams. thank you so much!

01:23:26 Sharon Black-MacKinnon: Thank you so much!

01:23:26 Laura Goss: Thank you

01:23:28 Ona Ryan: thank you GREAT JOB

01:23:28 karen currie: This was my favorite webinar so far! Excellent information and so timely on how to apply now as well as when we return to the classroom!

01:23:29 Rebecca Hill: As a Math Coach, I cannot wait to partner with Teachers to use these! Thank you so much!

01:23:29 rachel wingo: Thanks so much for these amazing resources and ideas!

01:23:30 Inger Murphy: explore the apps! experiment with using them with kids

01:23:31 Jeanine Dormer: Thank you so much!

01:23:32 Jada Pearson: Thank you!

01:23:33 Olivia DeBruin: Thank you!

01:23:33 Laveta Ebbin: Thank you!

01:23:34 Michelle Emslie: share the webinar and the apps with teachers across primary and junior secondary.

01:23:35 Janet Jimenez: Thank You for this webinar. It was awesome. My next step is to explore the virtual manipulatives and introduce my students to them.

01:23:35 Lyndsay Freed: Thank you. This was great!

01:23:38 David Barnes: Slides are at <http://bit.ly/NCTMVM2020>

01:23:40 Jazavier Smith: Great webinar and enjoy learning more about math

01:23:40 Amanda Nica: I will push this out tomorrow via Google Classroom and use it back in the traditional classroom

01:23:41 Lisa Howell: Thank you so much :)

01:23:42 Mary Anne Opila: I look forward to playing and exploring.

01:23:43 Bianca Crespo: also assigning some problems and do number talk

01:23:43 Carol Keefte Hendries: might try after working with tools, screencastify how I approached them

01:23:44 Melissa Fast: you cannot download the slides

01:23:44 Daniel Irving: Thank you for modeling these incredible resources with us, and for this amazing presentation!

01:23:44 Claire Andrews: Thank you!!!

01:23:45 Joan Whitfield: Thanks, Looking forward to using them with students now and in the future when we get back in the classroom

01:23:45 Molly Pomposelli Pomposelli: thanks again....

01:23:45 Vijay Parulkar: <https://kidslovetech.weebly.com/>

01:23:46 Elizabeth Cho: Thank you!

01:23:47 Monica Avalos: Loved this webinar. Thank you so much

01:23:47 Mary Anne Opila: thank you!

01:23:47 Julie Miller: Thank you!

01:23:48 Randi Goetke: thank you this was fantastic!

01:23:48 Ali Semanision: THANKS

01:23:48 Jennie Haynes: I'm excited to use these in our virtual lessons.

01:23:49 Heather Smith: thank you!!!

01:23:49 Lisa Clem: Thank you!! Great information!

01:23:49 Sasha Michael: Thank you!!

01:23:50 Michelle Emslie: Thanks for a well- presented and well-reourced webinar!

01:23:50 LA VERNE MITCHELL: Thank you very much!

01:23:51 Alicia Morales: You should able to find this webinar on facebook, they were live  
[https://www.facebook.com/watch/live/?v=2573551786196085&ref=watch\\_permalink](https://www.facebook.com/watch/live/?v=2573551786196085&ref=watch_permalink)

01:23:51 Deborah Scott: Thank You, that was awesome.

01:23:51 Kris Graham: Thank you so much - this was awesome

01:23:51 Julie Shelton: thank you

01:23:52 Pam Jones: This was amazing Chrissy! Thank you so much!!!

01:23:53 Inger Murphy: Thank you so so much!!

01:23:53 Rebecca Udzik: Thank you!

01:23:54 Michelle Kivett: This was wonderful! I am a Special Ed teacher with Autism Life Skills students. This will take time to teach them but is great.

01:23:54 Stacy Timmins: Thank you

01:23:55 Marianne lesch: Send the recording?

01:23:55 Maria Sampson: Thank you!! very good webinar

01:23:56 Sheryl Bostelman: I am going to explore the websites and then make sure the beginning of the year make sure students know how to use this resource

01:23:56 Kelli Gibb: Thank you!

01:23:57 Carol Keefte Hendries: thank you!

01:23:58 Jet Yeung: Thank you

01:23:59 Lisa Lambuth: Thank you so much! This was great and I learned a lot of new things!!!

01:24:00 Ashley Brehl: Thanks!!!

01:24:00 Melissa Fast: thanks you

01:24:00 Heidi Schnabel: thank you. very helpful, can wait to use these tools!

01:24:00 Regina Holloway-Kitchings: I love this, I have used virtual

manipulatives for a while or certain sites, but I like how you can share work, you actually see the student work, thank you.

01:24:00 Kathy Reynolds: Hi Parents and Kiddos! This is the information for the Zoom Meetings on Tuesdays. I will be sending another invitation to Thursday's meeting. We are requesting that you choose 1 but we would love to see you at both meetings. The information will be the same each week for this meeting: Kathy Reynolds is inviting you to a scheduled Zoom meeting.

Topic: Swartz/Reynolds Class Meeting

Time: Apr 21, 2020 11:00 AM Eastern Time (US and Canada)

Every week on Tue, until Jun 2, 2020, 7 occurrence(s)

Apr 21, 2020 11:00 AM

Apr 28, 2020 11:00 AM

May 5, 2020 11:00 AM

May 12, 2020 11:00 AM

May 19, 2020 11:00 AM

May 26, 2020 11:00 AM

Jun 2, 2020 11:00 AM

Please download and import the following iCalendar (.ics) files to your calendar system.

Weekly:

[https://zoom.us/meeting/tJUKde6rrDIrG9JyLZc-qPct0R5vsw\\_ibKEv/ics?icsToken=98tyKuCppzktGdacsRiBRowcHYjoKOnzplhcjfp3hTPfAG1CUiDiZtAXJKFIL9HS](https://zoom.us/meeting/tJUKde6rrDIrG9JyLZc-qPct0R5vsw_ibKEv/ics?icsToken=98tyKuCppzktGdacsRiBRowcHYjoKOnzplhcjfp3hTPfAG1CUiDiZtAXJKFIL9HS)

Join Zoom Meeting

<https://zoom.us/j/91927329116?pwd=a0ExWGtSUW0zV2ZoOTlzSk9VdHRNdz09>

thank you!!!

01:24:01 Jasmine Mills: Thank you!

01:24:01 Terri Smith: Thank you!

01:24:02 Breeann Smith-Lujan: Thank you!!

01:24:02 Tammy O'Grady: Thank you, Chrissy!! It was great

01:24:02 Liz Morris: Thank you NCTM!

01:24:03 Christy Stout: Thank you so much!!!

01:24:03 Jen McFall: Thanks!

01:24:04 Brenda McNeese: thank you.

01:24:04 Khaalia Taylor: Fantastic! So useful.

01:24:04 Cerissa Brown: Thank you somuch!

01:24:04 Wendy McGrael: Thank you

01:24:04 Tiffanie Nealy: Yes!!! Awesome learning

01:24:04 Patti Sanders: thank you!

01:24:05 Beth Nalker: great presentation -so useful!

01:24:05 Marie Clarke: thank you this was great

01:24:05 Camille Nemanic: Thank you! Delightful and helpful webinar!

01:24:06 Deepa Bharath: Thank you Chrissy! I enjoyed thinking through the difference between physical and virtual manipulative.

01:24:06 Valerie Clay: I want to explore to the point I eliminate my fear. Thank you.

01:24:08 Cassandra Proulx: Thank you!

01:24:08 Janelle Koski: Thank you!

01:24:09 Tamara Jackson: Thanks

01:24:09 Megan Wenger: Thank you!  
01:24:10 Bonnie Angel: Awesome!  
01:24:13 Nonye Obiora: Can't wait to introduce this to my Pre k-2 teachers  
who have been craving for ways to engage little hands remotely. Thank you so much.  
01:24:14 Kristi Gettelman: Thank you!  
01:24:14 Nadia Messadi: THANK YOU  
01:24:15 Amiynah Haile: I will be sharing this information with teachers.  
01:24:16 Denise Parker: thank you-love the website  
01:24:17 Tamara Purry: Thank you  
01:24:17 Shari Sklar: WOWWWWW  
01:24:21 Bianca Crespo: thank you so much!!!!  
01:24:22 Denise Walston: Thank you- Great job!  
01:24:22 Jessica Rock: You're incredible! Thanks!  
01:24:22 Natalie Fawthrop Pooler: Thank you!!!!  
01:24:24 Vijay Parulkar: Muchas Gracias :)  
01:24:24 Luzviminda Bayarong: Thank You  
01:24:25 Janice Novakowski: Thanks Chrissy!  
01:24:25 Jennifer Lourenco: Thank you so much. You're fantastic.  
01:24:26 Dave Hankin: Thank you from Globe, Arizona!  
01:24:26 Claire Andrews: SO great - thanks a ton!!  
01:24:27 Rachelle Broggin: thank you great job  
01:24:28 Carol Matsumoto: Thank you Chrissy!  
01:24:28 Monica Avalos: Will definitely be sharing it with my colleagues  
01:24:29 Kathy Reynolds: Awesome!!!  
01:24:30 Tabitha Stanton: Great PD!  
01:24:33 Jodie Dornbush: Thank you!  
01:24:33 Julianne Phillips: Awesome!!!!  
01:24:34 Hania Bizri: Thank you  
01:24:35 Mandelia Fisher: Thank you so much  
01:24:35 Monique Cabellon: Thank you!  
01:24:36 Laxman Nepal: Thank you so much  
01:24:37 Amy Landry: Thank you!  
01:24:39 Amiynah Haile: Thanks, I enjoyed this training.  
01:24:40 Alice Dahlstrom: HOw do you get the certificate  
01:24:41 Megan McPartland-Matrick: TOTALLY FANTABULOUS  
01:24:42 Barb Fukushima: Thank you so much!!!  
01:24:45 Deanna Rigdon: wonderful information. thank you  
01:24:46 Amanda Nica: Very informative  
01:24:46 Jeanine Dormer: Great job! Thanks for the useful information  
01:24:47 Leticia Chapa: Thank you so much for this! Be safe and have a great  
evening :)  
01:24:51 Sheryl Bostelman: Thank you  
01:24:52 Janette Kiso: Thank you! Very helpful.  
01:24:56 Valerie Clay: Will slides be available  
01:24:58 Marianne lesch: Please send the link to the recording  
01:24:58 Carol Keefe Hendries: wonderful!!!  
01:25:03 Kathleen Morris: thank you!! Outstanding presentation!  
01:25:10 Judith Florczak: Thank You NCTM  
01:25:11 Alicia Morales: you can find the webinar on facebook, they were also  
live on there showing this same webinar



[https://www.facebook.com/watch/live/?v=2573551786196085&ref=watch\\_permalink](https://www.facebook.com/watch/live/?v=2573551786196085&ref=watch_permalink)

01:25:18 Claudia Phelps Wade: Thank you for this webinar. It was very helpful!

01:25:20 Ada Hill: This was really informative

01:25:22 Leigh Tompkins: Thank you so much!!!

01:25:27 Randi Goetke: Can you please post pdf of slides

01:25:28 Tracie Linville: I joined this morning!

01:25:32 Chrissy Newell: [bit.ly/NCTMVM2020](http://bit.ly/NCTMVM2020) for slides

01:25:53 Rita Shamrock: Thank you

01:25:54 Marianne Ilesch: Thank you!!

01:26:07 Trena Wilkerson: Go Kimberly!

01:26:09 Heather Smith: i already got my certificate wow

01:26:16 Christine Sisco: [bit.ly/NCTMVM2020](http://bit.ly/NCTMVM2020)

01:26:19 Monica Avalos: Is the certificate for CPDUs?

01:26:27 Natalie Fawthrop Pooler: So great!

01:26:29 Saira Ali: Thank you to all the panellists.

01:26:38 Michelle Ellam: What were the other sources for manipulatives?

01:26:43 Kimberly Rimbe: These sessions are amazingly well-facilitated. Thank you all!

01:26:47 Regina Holloway-Kitchings: Thank you again, great presentation

01:26:54 Kimberly Rimbe: And thank you, Chrissy...you were awesome!!!!!!!

01:27:11 Kris Graham: Flipgrid is great

01:27:25 Julie Volk: Any resources to help with fractions?

01:27:27 Kimberly Rimbe: I'm gonna try using these with Pear Deck later this week. FlipGrid is a great idea, too!

01:27:30 Bina Kachwala: I am going to use this with my teachers . So excited

01:27:46 Kimberly Rimbe: Chrissy - I'll be in touch!!!

01:27:46 Deborah Scott: Can you repeat how the students share with the teacher?

01:28:02 Ann Neely: Thank you so so much. This was fantastic

01:28:09 David Barnes: MyNCTM for more questions?

01:28:23 Tracie Linville: How did you get the prompt when you sent us the link?

01:28:24 Christine Sisco: [bit.ly/NCTMVM2020](http://bit.ly/NCTMVM2020)

01:28:26 Sarah Dickie: Thanks for this great opportunity!!

01:28:28 Deborah Scott: Thank you

01:28:37 Pamela West: you said there were other resources?

01:28:53 Kris Graham: Do children choose web or app bases=d

01:28:57 Tracie Linville: I will play around with how to do that

01:29:07 doris Lipari: thank you

01:29:08 Ann Neely: Thank you to everyone at NCTM for providing this opportunity.

01:29:14 Deborah Scott: Thank you so much, this was great.

01:29:18 Branch Pronk: Thank you, Chrissy!

01:29:21 Evette Reece: thank you

01:29:29 Rachel Redden: Thank you. This was great!

01:29:30 Natalie Davis: This was wonderful! Thank you!

01:29:33 Jorge Veloso: Bye bye. I've learnt a lot today.