

00:17:36 Cindy Bryant: Greetings from Springfield, MO
00:17:51 Trena Wilkerson: Hello from Waco, TX!
00:17:57 Toni Galassini: Hi from Chicago!
00:18:03 Laronda Raines-Langham: Hello from Mobile, AL!
00:18:05 Roberta Rotolo: Hello from
00:18:06 Gina St Clair: Alaska
00:18:06 Olga Kosheleva: Hello from El Paso, TX
00:18:07 Nely Ara-is: Hello from Norfolk, VA
00:18:07 Jorge Veloso: Hi! This Jorge Veloso from Dundo city, Angola.
00:18:08 Lyn Pizzano: Hi from Londonderry, NH
00:18:09 Rebecca Cross: Hello from Plant City,FL
00:18:11 Karen Reodica: Hello from Chicago!!
00:18:12 Barbara Harvey: Hello from Pittsburgh Pa.
00:18:12 Jennifer McMillen: Hi! I am from Fort Worth, TX.
00:18:13 Marquita Morris: Hello from Raleigh, NC!
00:18:13 Leslie Texas: Hi from Louisville, KY
00:18:14 Heidi Hague: Hoquiam, WA - on the coast
00:18:14 Diane Anderson: Hi....From Massachusetts
00:18:16 Melissa Miller: Hello from the mtns of NC
00:18:16 Amy Frisina: Hi, From Johnston, RI
00:18:16 Marie Clarke: from Philadelphia
00:18:18 Jet Yeung: Hello everyone--Jet from Henderson, Nevada
00:18:19 Sandra MacDonald: Hi there! Sandra from Halifax, Nova Scotia
00:18:19 Cindy Bryant: Greetings from Springfield, MO
00:18:19 Susan Faulkner: Hello from Virginia Beach
00:18:19 Denise Griffiths: Hello from Wilmington, DE
00:18:20 Roberta Rotolo: Hello from Dallas Texas
00:18:23 Dave Hankin: Philly!!
00:18:23 Allison Miller: Hello ... from West Virginia!
00:18:23 Stephanie Rish: Hi from Charlotte, NC
00:18:25 C Robertson: Hello from Reno👋
00:18:25 Jessica Whitney: hello from New Hampshire
00:18:26 Jennifer Keene: Hello from Newark, Ohio
00:18:26 penny waddingham: Hello from Iowa
00:18:28 Leona Maas Bekkers: Hello from Wolfville, Nova Scotia
00:18:32 Diane MacBride: Diane from Akron Public Schools. I'm a District
Elementary Math Coach
00:18:33 Thy Dinh: Hi from San Diego
00:18:34 Danielle Krueger: Hello from Northwest, CT!
00:18:34 Dawn Schulte: Hello from Coastal Carolina
00:18:38 Velma Guidry: Hello, Velma from Beaumont
00:18:38 Patti Kleinhanzl: Hello from Casa Grande, AZ!
00:18:40 Robert Berry: Robert Berry Charlottesville, VA
00:18:42 Charleta White-Fletcher: Hello from Rocky Mount NC
00:18:42 Caroline Moser: Hello for NC
00:18:43 Deanna Hotaling: Hello from Fort Worth, TX!
00:18:44 Amy Garwell: Wisconsin
00:18:45 Bridget Antos: Hi from Chicago!
00:18:47 Loren Kaplan: From Los Angeles, CA
00:18:48 Janet Jimenez: Good evening from NYC.

00:18:49 Michelle Green: Hello from California
00:18:50 rachel wingo: Hello, from Providence, KY
00:18:51 Melissa Campbell: Hello from Fort Payne, Alabama
00:18:51 Lynn Lafferty: Hello from Erie, PA
00:18:55 Lorie Huff: Hello from Fayetteville, Arkansas
00:18:55 Kristin Mertens: Hello from Washington, IL
00:18:55 Kelly Kuster: Hello from New Jersey
00:18:56 Lorelei Phillips: Hello from Maryland
00:18:56 Veronica Kwok: From Queens, NYC!
00:19:00 Julie Vanderlugt: Julie from Ontario
00:19:01 Milagros Carbonera: Hi Milagros Carbonera from WCPS Goldsboro NC
00:19:01 Felice Sigal: Hello from Plantation, FL
00:19:02 Meaghan McIntyre: from Rhode Island
00:19:02 Annette Gushue: Hello from Canton ma
00:19:03 Patti Gawronski: Hi from Texas
00:19:05 Carol Matsumoto: Hi from Winnipeg! I hope that all Canadians
have had a great long weekend!
00:19:06 Noreen Shattuck: hi from NH
00:19:10 Barbara Knox: Barbara from Plant City, Florida
00:19:10 Stephanie Branson: Hello from Pulaski, Virginia!
00:19:10 Denise Parker: Hello everyone, I'm a 3rd grade teacher from
Lumberton NC
00:19:12 Tika Epstein: Hello Everyone, I am an instructional coach from Las
Vegas.
00:19:13 Barb Borgwardt: Hello from Wisconsin!
00:19:13 Mindy Wynne: Mindy from Milwaukee, wi!!
00:19:16 Cindy Kim: Hello from Texas!
00:19:16 Luzviminda Bayarong: Hello From Maryland
00:19:17 Jennifer Russell: Hello from Central Maine!
00:19:18 Kim Schoenau: Hello from Central California
00:19:21 Noe Eugenio: Hello from the Philippines!
00:19:21 Kellie Sorrell: Hello from Chicago
00:19:24 Cyndi Ellis: Hello from New Jersey!
00:19:27 Gricelda Monroy: Hello from Chicago! 3rd grade teacher :)
00:19:29 Ron Perry: Williamsville NY (near Buffalo
00:19:29 Maria Salazar: Los Angeles, CA
00:19:32 Amy Glaser: Hello from Ohio
00:19:32 Julie Granchelli: hello from new york
00:19:33 Ashley Jones: Hi from Eastern Shore of MD
00:19:34 Nicolette Nalu: Hello and good evening from an elem math specialist
from BAMA and AMTEA president!
00:19:35 Karisma Alexander: Hello, I'm from The Bronx, NY
00:19:39 Rebecca Gonzalez-Kreisberg: Hello from Western Massachusetts!
00:19:40 Sasha Michael: Hello from Northern California!
00:19:40 Pam Cadena: Hi from Southern California
00:19:41 Quianna Watkins: Hello from Decatur, GA. Academic Coach
00:19:42 karen anderson: Bryant Pond Maine
00:19:43 Stephanie Banks: Hi from NH
00:19:43 Lindsay Campbell: Hi from Dartmouth, Nova Scotia. Happy
Victoria Day!

00:19:44 Skip Fennell: Hello from Westminster, MD
00:19:48 Kay Cox: Hello from Idaho.
00:19:49 karen Campbell: Hello from Saskatchewan, Canada
00:19:50 Angela Cooper: Hi!! Spring, TX
00:19:52 Betsy Long: Betsy Long from Columbus, Ohio
00:19:54 John Sasko: Hello from Mt. Vernon NY just north of The Bronx
00:19:57 Debbie Wells: hello from Austin, Texas
00:20:05 Lisa Lambuth: Hello from La Mirada, CA (SoCal)
00:20:08 Dave Elbourne: hello from Quinte West Ontario
00:20:08 Elisa Waingort: Hello everybody! Elisa, grade 5 teacher in Calgary.
Alberta, Canada.
00:20:09 Sara Lane: Hello from Newton, North Carolina
00:20:14 Natalie Fawthrop-Pooler: Hi From Hammonds Plains Nova Scotia
Canada
00:20:15 Rochelle Peasley: Hello from Louisa, VA
00:20:17 Camille Greene: Hello from Sunrise, Florida
00:20:21 Kathryn Darling: Hello from Phoenix, Arizona
00:20:21 Keithra Mackey: Hello from NC
00:20:26 Marna Lampe: Hello from New Jersey :)
00:20:26 Sharon Black-MacKinnon: good evening from New Brunswick Canada
00:20:28 Stephanie Izzard: Hello from Ontario!
00:20:32 Nora Ramirez: Hi, From Tempe, AZ
00:20:35 suzanne pike: Hello from Omaha, NE :)
00:20:36 Dina Campbell: Hello from Las Vegas!
00:20:38 Tim Bobay: Hello from Franklinton, NC
00:20:42 Michael Lanstrum: Hello from Cleveland, OH
00:20:47 roya basu: Hi from NJ
00:20:53 Elli Weisdorf: Hi from Toronto, Canada!
00:20:53 Patti Luxton-Moore: Hello from Ottawa, Ontario, Canada!
00:20:55 Andrea Green: Hello from NB, Canada
00:20:55 Aisha Gaisi: Hello from Brooklyn
00:20:58 Gunnar Guttormsen: Kelso, Wa
00:21:00 Josephine Snyder: Hello from PA
00:21:00 Daniel Irving: Hello from North Providence, RI.
00:21:04 Tracey Sweeney: Hello from Arizona!
00:21:05 Eric Stauth: Hola from Vegas!
00:21:06 Elisa Waingort: Canada is representing!
00:21:07 Cindy Bryant: Please change your chat setting to all panelist and
attendees.
00:21:12 Cindy Bryant: It's day 28!!!
00:21:16 Katie Farry: Hi from Pa!
00:21:19 Kelley Manning: Hi! Kelley from Inglewood CA
00:21:22 Christie Wuebbles: Hello from NC
00:21:23 Leslie Sorace: Hi from San Tan Valley Arizona!
00:21:24 Emily Graff: Ohio checking in
00:21:26 Sunnie Ledbetter: Hello from Moore County, NC
00:21:27 Sandi Cooper: Hello from Crawford, TX!
00:21:28 Dave Hankin: Hello from Globe, Arizona, originally
Philadelphia....
00:21:29 Emily Johnson: Hi from Colorado

00:21:29 Lori Mcdevitt: Lori from Charlotte NC
00:21:31 Heather Todd: Hello from Oxford, MS!
00:21:31 Stephanie Dean: Hello from N. Topsail Beach, NC
00:21:32 Kim Arthur: Hello from San Antonio, TX
00:21:34 Deanna Rigdon: hello from Utah
00:21:35 Jennifer Oneill: Hello from Abingdon VA
00:21:36 Leticia Chapa: Hello from San Antonio, Texas
00:21:37 Latia Foster: Hello from Houston, Texas
00:21:37 Nadia Messadi: Hi from Fayetteville, Arkansas!

00:21:37 Chonda Long: To maximize your participation in today's session, please collect a stack of blank paper, markers, colored, pencils, and a regular pencil to use throughout the presentation.

00:21:37 Magaly Ronan: thanks just fixed
00:21:38 Claudette Mullins: Greetings from Ohio!
00:21:39 Kimberly Jones: Hi from Lewisville, TX
00:21:40 Fowler Margo: Hello from Chesapeake VA
00:21:41 Janice Novakowski: Janice from Vancouver, BC
00:21:43 Kayla Verpoorten: Battle Ground, WA
00:21:43 Cathy Hutchins: Hi, Kim, from Phoenix.
00:21:43 Delise May: hello from atlanta!
00:21:45 Stacy Milas: Hello from NY!!
00:21:45 Alley Evans: Hello, from Kentucky
00:21:47 Chonda Long: To maximize your participation in today's session, please collect a stack of blank paper, markers, colored, pencils, and a regular pencil to use throughout the presentation.

00:21:50 Susan Forbes: Hi from Hawaii!
00:21:50 Ellen Ervin: Hello from New Hampshire
00:21:52 Samiyyah Blanford: Hello from Washington, DC
00:21:55 Melissa Soto: Hello from San Diego, CA
00:21:58 Inger Murphy: Hello from Spokane Washington
00:21:58 Diane Anderson: Hi..From Massachusetts
00:22:00 Mary Grove-Stover: Hi from Chesterfield, VA!
00:22:00 Kate Galbreath: How long will the recordings be available?
00:22:01 Terri McCarthy: Hi from Danbury, CT
00:22:05 Sandra Rasmussen: Hi from Kingwood, TX
00:22:11 Audrey Campbell: Hi From Waldorf, MD
00:22:19 Tami Voegeli: hello from South Dakota
00:22:28 Chonda Long: The recordings will be available for free until the St. Louis Annual Meeting. After that they will become a member benefit.
00:22:29 Cindy Bryant: Recording will be available until sometime in October.
00:22:32 Ramona Hall: Hi from Charlotte NC
00:22:37 Chonda Long: To maximize your participation in today's session, please collect a stack of blank paper, markers, colored, pencils, and a regular pencil to use throughout the presentation.
00:22:57 Dave Hankin: Slides??
00:23:03 Camille Nemanic: Hello from Greensburg, Pennsylvania (near Pittsburgh)
00:23:06 Branch Pronk: Hi from Fredericksburg Va

00:23:13 Chance Nalley: Chance Nalley, NYC
00:23:32 Christine Rudakewycz: Hi from New York City!
00:23:41 Teresa Reddish: Hi from Douglasville
00:23:45 Teresa Reddish: Georgia!
00:23:45 Deborah King: Hi from Pembroke, MA
00:23:54 Mary Vogt: Mary from Portsmouth, NH
00:24:03 Gracemary Mannion: Hey - Grace Mannion again, I left the session on my phone so I could get on my computer. I am from Mansfield Texas.
00:24:05 Frances Lang: Hello from Brewster, New York!
00:24:06 Laura Goss: Hi from Tulsa, Oklahoma
00:24:16 Rita Shamrock: Rita from Senoia, GA
00:24:18 LA VERNE MITCHELL: Hello from Queens, New York
00:24:26 Tamikia Greene: Hi to everyone (: from Houston, TX
00:24:33 Tina Cook: Keller, TX
00:25:28 Stacy Milas: yes!
00:25:39 Fran Huntoon: Hello from Vermont!
00:25:52 Chonda Long: Do you have a question?
00:25:57 David Barnes: Be sure to change your chat to send to Everyone, or All panelists and attendees.
00:26:00 Chonda Long: Do you have a question?
00:26:01 April Sterbin: Hi from Wisconsin
00:26:23 KEISHA SMITH: Hello from Alabama
00:26:30 Linda Wojton: Hi Linda from Pennsylvania!
00:26:31 Kathryn Mead: Hello from Selah Washington
00:26:44 Nonye Obiora: Hello from Boston Ma
00:26:50 Heather Smith: Hi from Fall River, MA
00:26:55 Amy Lieberman: I love that saying! Wowo!
00:27:03 Justin Heid: Hi from Leesburg VA but teach in Frederick MD
00:27:07 Chonda Long: I am not sure why your video isn't working. I don't think anyone else is having that issue.
00:27:12 Victoria J Del Fierro: Hi, from San Antonio, Tx.
00:27:14 catherine fox: Hello from NC!
00:27:22 Kathryn Mead: Another month left
00:27:31 John Sasko: 5 weeks more in NYC!!!
00:27:45 Sarah Dickie: Hello from Prince Edward Island, Canada
00:27:46 Emily Graff: May 28th end
00:27:48 Stephanie Izzard: I am starting to teach Grade 4 tomorrow for 6 more weeks! We are going to be moving into decimals. This is great! Thank you!
00:27:49 Denise Parker: this is our last week of school in nc
00:27:55 Beth Kobett: hang in there everyone who has a long time left
00:27:56 Dave Hankin: Nothing
00:28:00 Emily Johnson: subitizing!
00:28:01 Julie Vanderlugt: They can be used for multiplication
00:28:01 Perla Arellano: 10 frames gives students a great visual.
00:28:02 Andrea Green: it helps with subatizingh
00:28:02 Justin Heid: Help build number sense
00:28:02 Abby English: Number talks using ten frames
00:28:02 Loren Kaplan: helpful to visualize tens
00:28:02 Carrie Schade: visual
00:28:02 Victoria J Del Fierro: I know that you can use it to "make 10"

00:28:03 Heidi Ohlson: They help children visualize
 00:28:03 Melissa Miller: I've used them for subitizing
 00:28:03 Daina Dewald: Visualize fives and tens, help subitize
 00:28:04 Sara Lane: You can use them for showing fractions
 00:28:04 Ashley Brehl: 2 rows of 5
 00:28:05 Deanna Hotaling: Helps with composing and decomposing
 00:28:05 Sandra MacDonald: they help with benchmarks
 00:28:05 Elisa Waingort: ten frames help students subitize
 00:28:05 Lidia Pimentel: Helps students know how to make a ten
 00:28:05 Aisha Gaisi: visual
 00:28:06 Magaly Ronan: you can use it to teach arrays
 00:28:06 Lorelei Phillips: used for adding
 00:28:06 John Sasko: They work well with Rekenrek
 00:28:06 Linda Wojton: Great for subitizing
 00:28:06 Tika Epstein: Tens frame are great for Number Talks
 00:28:07 Kayla Verpoorten: Visualizing numbers
 00:28:07 Jennifer Keene: they can help you add
 00:28:07 Kimberly Jones: Great tool for organizing thinking.
 00:28:07 Thy Dinh: visual model that helps kids with base 10
 00:28:07 Toni Galassini: subitizing
 00:28:08 Caroline Moser: Can help with skip counting by tens
 00:28:08 Kim Arthur: The are used in low grades
 00:28:08 Rochelle Peasley: subitizing
 00:28:09 Sarah Dickie: Ten cells
 00:28:09 Stephanie Izzard: Friendly Numbers
 00:28:09 Delia Joseph: 5 groups of 2
 00:28:09 Sandra Rasmussen: organizing
 00:28:09 Susan Forbes: Help with visualizing quantity
 00:28:09 Sandra MacDonald: subitizing b
 00:28:09 Michelle Green: Love using them to teach regrouping
 00:28:09 Camille Nemanic: They are set up in 2 rows of five
 00:28:10 Mindy Wynne: subitizing
 00:28:10 Suzanne Lawrence: good to build skills for break-apart
 strategy
 00:28:10 Ron Perry: Visualizing
 00:28:11 Magaly Ronan: area model
 00:28:11 Susan Faulkner: decomposing numers
 00:28:11 Milagros Carbonera: grouping by tens
 00:28:11 Amy Lieberman: adding and subtracting
 00:28:11 Aisha Gaisi: used for doubles
 00:28:11 Pam Cadena: move students from 1-1 to patterns
 00:28:11 Barbara Harvey: I really don't know about 10 frames
 00:28:11 Kendra Edwards: 2 rows with 5 in each row
 00:28:12 Ramona Hall: Great for helping visualizing
 00:28:12 Annette Krimmer: helps with subatizing
 00:28:12 Christie Wuebbles: subitizing
 00:28:12 Laronda Raines-Langham: compose and decompose numbers
 00:28:12 rachel wingo: They are used to grouping
 00:28:13 Jessica Barrier: Subatizing
 00:28:13 Lynn Lafferty: helps to recognize patterns

00:28:14 Deborah King: Start filling top left
 00:28:14 Latia Foster: It help students with base ten
 00:28:14 Branch Pronk: Great way to look at teen numbers
 00:28:14 Abby English: Number talks
 00:28:14 Stephanie Izzard: Friendly Numbers
 00:28:14 Toni Galassini: visual representation
 00:28:14 Stacy Timmins: know what they are but not very good at using them.
 00:28:15 Marna Lampe: great for adding and regrouping
 00:28:15 Heather Todd: Visualization of numbers
 00:28:15 Cathy Hutchins: Visual concepts
 00:28:15 Nicolette Nalu: 10 total spots to count... double ten frames... concert
 and visual
 00:28:15 Ute Moore: Creating number sense
 00:28:15 Stacy Sammons: Visual model of 5 and 10
 00:28:15 Marquita Morris: They help with adding and subtracting
 00:28:15 Quianna Watkins: Great for subitizing and makes counting
 easier for students
 00:28:15 Natasha Zimmerman: A general idea but have never used them.
 00:28:16 Mary Vogt: Making 10
 00:28:16 Gracemary Mannion: Great for showing combining of numbers
 00:28:16 Lori Mcdevitt: 10 frames are a way gain fluency
 00:28:16 Alicia Madsen: It is great with quicklooks and subatizing
 00:28:16 Angela Cooper: Can easily see the value quickly
 00:28:16 Leah Watson-Rodgers: anchoring to f=5 and 10
 00:28:16 Leslie Texas: patterns
 00:28:17 Emily Graff: use to model any number that can be broken down to a
 10 teen numbers counters or numbers
 00:28:17 Sharon Snyder: Great for supporting missing numbers
 00:28:17 Leona Maas Bekkers: Make 10 strategy
 00:28:17 Justin Sheek: Visuals
 00:28:18 Lisamarie O'Sullivan: Number sense
 00:28:18 Rachel Anderson: helps with number sense
 00:28:18 Sandra Rasmussen: visual models
 00:28:18 Heather Todd: supports counting on
 00:28:18 Deanna Hotaling: make ten
 00:28:18 Heidi Ohlson: make 10 facts
 00:28:18 Delia Joseph: 2 groups of 5
 00:28:18 Kathy Smith: patterns
 00:28:19 Maureen Mulvey: Great for benchmark numbers and adding subtracting
 to 10
 00:28:20 Jennifer Colson: Adding within 10
 00:28:20 Skip Fennell: Remember when Wirtz and Botel introduced them
 decades ago
 00:28:20 Andrea Green: number bonds
 00:28:20 Damaa Bell: 10 Frames are a great way for children to visualize
 the numbers in groups
 00:28:20 Magaly Ronan: part part whole
 00:28:21 Jessica Barrier: helps represent 10
 00:28:21 Kristen Park: helps learn numbers and with counting
 00:28:21 Denise Pusateri: I love how it can have students easily

identification of sums to 10.

00:28:21 Gricelda Monroy: Fluency
00:28:22 C Robertson: Not much, 10 boxes
00:28:22 Bonnie Angel: Creates a great visual model for students.
00:28:22 Audrey Campbell: Visual model for adding
00:28:23 Lindsay Campbell: multiplication
00:28:23 Cindy Kim: five on top, five on bottom, together makes ten
00:28:23 LA VERNE MITCHELL: Arrays
00:28:23 Alley Evans: I have taught K-2, so we use ten frames to provide
visuals for tens and ones.
00:28:24 Leticia Chapa: Helps with basic facts
00:28:24 rachel wingo: making 10
00:28:24 Ryan Oliver: help build number sense
00:28:24 Ramona Hall: regrouping
00:28:24 Marna Lampe: ten buddies
00:28:25 Heather Smith: They are very helpful in subitizing, structuring,
models and composing and decomposing
00:28:25 Toni Galassini: building numbers
00:28:25 Ellery Armes: In kindergarten we use them as visual models! The
students can understand 10 and half quickly!
00:28:26 Janet Jimenez: Ten-frames have multi-purposes...
00:28:26 Ute Moore: manipulative
00:28:26 Monica Parraga: adding facts
00:28:26 Rebecca Cross: Teen numbers, beginning place value
00:28:26 Mary Hamilton: 10 equal parts
00:28:26 Sarah Dickie: readily see 5 and 10
00:28:27 Nora Ramirez: does not have to be filled from left to right then
down
00:28:27 Jennifer Oneill: Visualizing
00:28:27 John Sasko: Make a ten strategy
00:28:28 Camille Nemanic: Easy to compose and decompose numbers
00:28:28 Ron Perry: Making ten
00:28:28 Abby English: Number talks
00:28:28 Susan Forbes: Equal groups
00:28:29 Susan Bardenhagen: can be manipulatives for hands-on
00:28:30 Sunnie Ledbetter: Using them for addition/subtraction
00:28:30 Laurie Beavers: subitizing, visualizing, addition, subtraction
00:28:31 Denise Parker: hands on manipulative
00:28:32 Jennifer Lagrange: fun to turn sideways to provoke thinking
00:28:32 Sara Lane: Fractions
00:28:32 Kate Galbreath: "ten-ness"
00:28:33 Angela Cooper: prove even odd
00:28:34 Amy Garwell: visual for place value
00:28:34 Annette Krimmer: kindergarden
00:28:34 Kelly Kuster: tens and ones
00:28:35 Janet Jimenez: Problem solving
00:28:35 Tina Mitchell: different ways to represent different numbers
pictorial
00:28:36 Michelle Green: visual representation
00:28:37 Delia Joseph: arrays

00:28:37 Elaine Winslow: like hands
00:28:37 Emily Graff: dividing
00:28:37 Christine Rees: ratio
00:28:38 Marie Hannon: Number sense...visual...addition
00:28:38 Teresa Reddish: visualization, decomposing, rek and rek
00:28:39 Victoria J Del Fierro: making 10
00:28:39 Camille Nemanic: Making Ten
00:28:40 Elaine Boyer: Helps with fluency strategies
00:28:40 Marie Clarke: can use for addition and subtraction
00:28:41 Debra Robinson: Make ten
00:28:44 Fran Huntoon: tactile or representative
00:28:45 Delia Joseph: arrays
00:28:46 Chelsea Hakanson: number recognition doubles + 1
00:28:46 Sandra MacDonald: rekenrek
00:28:50 Ron Perry: Flexibility with numbers
00:28:52 Sarah Dickie: array structure
00:28:53 Tracey Sweeney: fractions
00:28:53 Victoria J Del Fierro: making 10
00:28:57 Latia Foster: I never thought about part part whole
00:28:58 Sarah Dickie: decimal
00:28:59 Karisma Alexander: array
00:29:04 Victoria Klinakis: hands on....visual
00:29:04 Mohamed Jamaludeen Thirapusa Mohaideen: Awesome
00:29:05 Magaly Ronan: can be concrete with chips to representational.
00:29:19 Nonye Obiora: subtilizing 5 and 10
00:29:27 Cathy Hutchins: How many? How many more to make the next decade number?
00:29:45 Martisha Dunn: based on ones and zeros
00:29:51 Sandra MacDonald: egg cartons trimmed to ten work
00:30:07 Justin Heid: Where did you get those tools?
00:30:16 Dave Hankin: Will the slides be available??
00:30:19 Marna Lampe: Sandra--love the modified egg cartons idea!
00:30:34 Sandra MacDonald: kids have egg cartons at home
00:31:03 Pamela Jones: Just like Digi Blocks
00:31:15 Fran Huntoon: unitizing
00:31:15 Dina Campbell: love Digi Blocks!
00:31:21 Christie Wuebbles: neat
00:31:31 Emily Graff: like 1 stick of 10 is 10 ones
00:31:31 Maggie Pfuntner: My fifth graders really struggle with subtraction with regrouping
00:31:49 Heather Smith: where can we get those tools, they rock
00:31:56 Abby English: Where did you get these tools?
00:32:01 Emily Johnson: what are those things!?
00:32:23 wendy sanchez: I have trouble with audio, do we have captions available?
00:32:25 Linda Rodriguez: She sells them
00:32:26 Sandra MacDonald: interesting how they are laid out like the original ten frame
00:32:27 Alley Evans: We start teaching that in 2nd grade, and they struggle greatly with the skill.

00:32:30 Carol Matsumoto: Kim sells them.

00:32:45 Beth Kobett: She will share in a bit about that!

00:33:20 Janet Jimenez: This is great.

00:33:23 Pam Cadena: Will we have access to this powerpoint?

00:33:44 Chonda Long: Yes, the Power Point will be available tomorrow.

00:33:54 Emily Graff: looks like algebra tiles too

00:33:59 Barbara Harvey: Not exactly like this but I used to do this with sticks and group them with rubber bands, these then groups of ten went into a can , then these groups of 10 made 100. . We did this for all of the days of a school year.

00:33:59 Elisa Waingort: That's a great point.

00:34:13 Elisa Waingort: I had never thought about emphasizing that idea.

00:34:47 Sabrina Nikaghanri: I like this

00:34:59 Jan Back: Hello, Jan Back from Hampton, Tennessee

00:35:11 Nyla Moore-McCreary: Hello from Tacoma, WA

00:35:12 Sandra MacDonald: this reminds me of when you use base ten material to build the million cube,

00:35:12 Deborah King: easy to see ones

00:35:17 Sabrina Nikaghanri: dallas texas

00:35:18 Sunnie Ledbetter: Differentiate work for student

00:35:18 Susan Bardenhagen: easier to organize

00:35:18 JENIEVE DeBonis: better visual for students

00:35:19 Leah Watson-Rodgers: Kids can always see the numbers as nested.

00:35:19 Amy Lieberman: connecting all the place values

00:35:20 Dave Hankin: Multiple ways of representation

00:35:20 Camille Greene: flexible thinking

00:35:21 Linda Rodriguez: You can break apart numbers

00:35:22 Inger Murphy: can see the ones in each number

00:35:22 Sandra McMullen: concrete learning

00:35:22 Lori Mcdevitt: students are actively engaged in grouping

00:35:22 Elaine Boyer: Much more concrete

00:35:23 Loren Kaplan: they can build it themselves

00:35:23 Andrea Sinks: Very visual

00:35:23 rachel wingo: Students are able to compose and decompose

00:35:23 Delise May: honestly, it's easy to clean up!

00:35:23 Kimberly Jones: Allows students to make conceptual understandings.

00:35:24 Kate Parsons: students can see the regrouping/nesting

00:35:24 Alicia Madsen: Flexibility in thinking

00:35:24 Monica Tobe: Hands on for kids

00:35:24 Stacy Sammons: Easier to decompose

00:35:25 Kim Arthur: Tactile, visual, and help students make meaning

00:35:25 Dina Campbell: st. has to group them...conceptualized the concept

00:35:25 Emily Graff: visual, hands on making the connection to kinetic and visual

00:35:25 Melissa Campbell: manipulability

00:35:25 Stacy Timmins: kids can see it and move it around

00:35:25 Melissa Miller: Seeing is believing, students need to group things to understand place value

00:35:26 Carrie Schade: conceptual understanding

00:35:26 Lyn Pizzano: better visual

00:35:26 Rochelle Peasley: no mistakes in trading

00:35:26 Rebecca Gonzalez-Kreisberg: Better visual understanding

00:35:26 Monica Ramey: All students will be able to see the ones that build numbers.

00:35:26 Perla Arellano: Easier for students to manipulate and represent numbers.

00:35:26 Justin Heid: Hands on tool for ALL grade levels

00:35:26 Gracemary Mannion: Being able to see that nesting. That is applicable to the older grades.

00:35:27 Laurie Beavers: helping with regrouping

00:35:27 Jessica Barrier: It shows students how to group them, they need to know.

00:35:27 Pamela Jones: unitizing

00:35:27 Janet Jimenez: Easier to visualize

00:35:27 Mari Prior: visualize

00:35:27 Abby English: The last place value will still be there.

00:35:27 Kayla Verpoorten: Way to connect to place value

00:35:28 Missy Silva: tactile learner advantage

00:35:28 Nely Ara-is: It helps with understanding the concept of regrouping

00:35:28 Lidia Pimentel: visualize

00:35:28 Barb Fukushima: students are constructing their learning

00:35:28 Mary Hamilton: kinesthetic memory

00:35:28 Maranda Jones: If kids have it in their hands, it is more likely they will have it in their heads!

00:35:28 Sharon Snyder: Helps students to visually see place value

00:35:28 Marie Clarke: students can see the realtionships

00:35:28 Patti Kleinhanzl: more concrete

00:35:29 Daina Dewald: Concrete practice in grouping

00:35:29 Betsy Long: Flexible thinking

00:35:29 Sharon Black-MacKinnon: multiple respresentations

00:35:29 Cassie Marotta: shows equality

00:35:29 Andrea Green: the idea of 1 is always there

00:35:29 Heidi Hague: Students will have to actually think about why some thing is a new group

00:35:29 John Sasko: It reinforces the STRUCTURE of the math

00:35:29 Ana Guerrero: visualization

00:35:29 Linda Wojton: ability to see relationships

00:35:30 Heather Smith: this is so much more understandable, as they see it in all visual models

00:35:30 Martisha Dunn: great visual

00:35:30 Rachel Anderson: students can see when they create a new place by using tens, hundreds, etc

00:35:30 Gina St Clair: Muscle memory

00:35:30 Roberta Rotolo: The ones are always there...can see patterns

00:35:30 Jennifer Keene: The kids can see it and touch it

00:35:30 Allison Miller: visual learning

00:35:30 Becky Mann: Easier for kids to visualize

00:35:30 Barbara Harvey: You can show addition but also start subtraction

00:35:30 Pam Cadena: compose and decompose numbers

00:35:30 Cindy Kim: they can actually experience the grouping of the numbers

00:35:31 Stephanie Rish: they can see the ones better

00:35:31 Skip Fennell: varied representations

00:35:31 Maire Roy: SEE the nesting

00:35:31 catherine fox: builds foundation as they move along the skill

00:35:31 Mark Phipps: So you can build better understanding of how the place values and groupings work

00:35:31 Deanna Hotaling: No mistakes for regrouping such as changing out 9 tens or 11 tens for a hundred

00:35:31 Jennifer Lagrange: number sense

00:35:31 Cassandra Satterfield: Advantage—better visual for concept of trading

00:35:31 Christie Wuebbles: For grouping and ungrouping with operations

00:35:31 Deborah King: Easy to see ones, tens, hundreds

00:35:31 Audrey Campbell: help students see the connections in place value

00:35:32 Barbara Knox: can be put together and taken apart easily

00:35:32 Mary Vogt: Great visual and tactile manipulatives

00:35:32 Mindy Wynne: visual

00:35:32 Milagros Carbonera: place value

00:35:32 Sandra Rasmussen: flexibility

00:35:32 karen anderson: doing it yiursekf

00:35:32 Lisa Lambuth: flexibility

00:35:32 Monique Cabellon: Iteration

00:35:33 Josephine Snyder: better visual for students

00:35:33 Julie Secrest: manipulate

00:35:33 Chelsea Hakanson: visualize and more concrete

00:35:33 Sabrina Nikaghanri: place value

00:35:33 Dawn Schulte: More hands on in terms that students are placing the actual tiles

00:35:33 Laura Lambert: flexibility

00:35:33 Kate Parsons: place value regrouping

00:35:33 Sarah Morris: concrete visuals

00:35:33 Thy Dinh: groupable ones help kids make sense their own way

00:35:33 Robin Humberstad: Students physically manipulate the numbers

00:35:33 Kendra Edwards: Students can see all the values of the numbers

00:35:33 Andrew Stella: Visual regrouping

00:35:34 Elisa Waingort: Groupable allows kids to see the idea of place value.

00:35:34 Jennifer Colson: They can create the numbers themselves so they see that the groups make it up.

00:35:34 Elli Weisdorf: students create their own knowledge

00:35:34 Cheryl Berkuta: Students make more meaning when doing it themselves

00:35:34 Michelle Graves: so students can see the work they have already regrouped

00:35:34 Kathryn Darling: flexible thinking

00:35:34 Nicole McCarthy: Visual

00:35:34 Tracey Sweeney: concrete models

00:35:34 Elaine Winslow: concrete

00:35:34 Maureen Mulvey: One to one building to recognize that 1000 is ten
hundreds

00:35:34 Joyce Dunning: Place value

00:35:34 Ashley Brehl: Physical connection of counters

00:35:35 Diane MacBride: flexibility

00:35:35 Vicky North: hands on always helps

00:35:35 Angela Cooper: = comparison

00:35:35 Ashley Scott: flexibility, hands on

00:35:35 Dana Mutert: flexible thinking

00:35:35 April Sterbin: being able to see the nesting!

00:35:35 JaDawn Wagstaff: greater number sense

00:35:35 Justin Sheek: place values

00:35:35 Sandi Cooper: students can really see the connections of place
value

00:35:35 Courtney Banks: visualization

00:35:35 Sandra Rasmussen: Nesting

00:35:36 Leslie Texas: Conceptual understanding

00:35:36 Karen Currie: Students are engaged and actively constructing
meaning

00:35:36 Cathy Hutchins: Group able doesn't require the trading

00:35:36 Emily Ricciardi: flexible thinking

00:35:36 Leona Maas Bekkers: patterns in numbers

00:35:36 Camille Nemanic: Kids will keep the concepts of ones, tens,
hundreds.

00:35:36 Stephanie Branson: helping to regroup

00:35:36 Julie Vanderlugt: They allow students to move and group.

00:35:37 LA VERNE MITCHELL: kinesthetic

00:35:37 Kim Henry: Hands on Learnig

00:35:37 Victoria J Del Fierro: Students can see the actual breakdown of the
number

00:35:37 Denise Pusateri: Place value and number flexibility

00:35:37 Inger Murphy: can group and regroup

00:35:38 Sarah Dickie: groupable allows children to see the process

00:35:38 Myra Collins: Can make the transition to money easier.

00:35:38 Kate Peters: better understanding for kids who need the concrete

00:35:38 Amy Garwell: It shows the whole quantity

00:35:38 Lorelei Phillips: flexibility

00:35:39 Alicia Madsen: demonsrates decomposition

00:35:39 Bonnie Angel: students can take them apart to prove the value

00:35:39 Judith Ripke: Kids remember more if they can manipulate it.

00:35:39 Kate Parsons: nested! love that term

00:35:39 Teresa Reddish: concrete

00:35:39 Jennifer Oneill: transferable

00:35:39 Kristin Johnston: concrete

00:35:39 Kate Galbreath: so students can see the "in all" amounts

00:35:39 Sandra MacDonald: Students have a much better sense of size
when they build themselves

00:35:39 Diane Anderson: Easy to see...visualize

00:35:39 Kim Spencer: allows students to see the regrouping

00:35:40 Melissa Buchmann: more visual

00:35:40 Magaly Ronan: The only benefit would be for students who are more fluent with the nesting concept.

00:35:40 Denise Parker: better understanding of place value

00:35:40 Leticia Chapa: Students learn to construct their understanding

00:35:41 Melanie Meloche: concrete visualization

00:35:41 Annette Krimmer: cantu dents are taking charge

00:35:41 Debra Robinson: visual

00:35:41 Mari Prior: regrouping

00:35:41 Alley Evans: counting by hundreds, thousands, etc

00:35:41 Mindy Wynne: flexibility

00:35:42 Suzanne Lawrence: groupable always shows the relationships

00:35:42 Tracey Till: Being able to see one value to the next and how they build on each other.

00:35:42 Andrea Sinks: kids can move numbers/hands on

00:35:42 Latia Foster: visual and easier to store than base ten

00:35:42 Jennifer Russell: Easier to see and make the trades between place values.

00:35:42 Kristin Mertens: flexibility in thinking see the whole picture

00:35:42 Justin Heid: Stretch their thinking

00:35:42 Ellery Armes: Easier for students to visualize. Teacher can use this for differentiation

00:35:43 Becky Mann: taking things apart and putting them together

00:35:43 Ellen Ervin: great visual

00:35:43 Elaine Boyer: different names for the same number

00:35:43 Christy Woody: flexibility

00:35:43 Mark Fortier: Helps to bridge any gaps

00:35:43 Kelly Kuster: regrouping and ungrouping

00:35:44 Karla Dangerfield: The scholars can actually manipulate the groups.

00:35:44 Mark Phipps: fun

00:35:44 Fran Huntoon: building unitizing

00:35:44 Camille Greene: mental math

00:35:44 Melissa Soto: Get to see how 10 ones make 1 ten, the students build it, it is not done for them

00:35:44 Robin Harbour: students have to build it. They can then see the ones, tens, hundreds, etc.

00:35:45 Eric Stauth: Allows students to see that there are 10 ones in 1 ten

00:35:45 Marquita Morris: Decomposing

00:35:45 Felice Sigal: concrete and visual

00:35:45 Victoria Klinakis: more visual

00:35:46 Laronda Raines-Langham: Students see and better understand the relationships

00:35:46 Tamikia Greene: conceptual and flexible understanding

00:35:46 Amanda Arney: Makes it more applicable

00:35:46 Gina St Clair: kinesthetic understanding

00:35:47 Julie Secrest: flexible

00:35:47 Pamela Jones: unitizing

00:35:47 Stacy Milas: concrete

00:35:47 Lorie Huff: connectivity
 00:35:47 Katherine Dominick: Conceptual Understanding with Visual support
 00:35:48 Kristen Park: students can see the numbers
 00:35:48 Elisa Waingort: Flexibility
 00:35:48 Angela Hines: visual/hands-on manipulation
 00:35:48 Paula Bedford: Great Place Value
 00:35:49 Natasha Zimmerman: You don't have to switch to the other place
 value blocks.
 00:35:49 Kate Parsons: there are many ways to say a number
 00:35:50 Doreen: visual
 00:35:50 Claudette Mullins: Nesting
 00:35:50 Deanna Sanders: Students are able to see the learning
 00:35:50 Christie Wuebbles: ungrouping
 00:35:52 Patti Gawronski: connect grouping and regrouping
 00:35:52 Amanda Menghini: visualization
 00:35:53 karen anderson: doing it yourself
 00:35:54 Mark Phipps: FUN
 00:35:55 Cathy Hutchins: Multiple representations
 00:35:55 Sunnie Ledbetter: Great for EC/ESL students or differentiate
 work for students.
 00:35:55 Susan Forbes: students actually can see dual representations
 00:35:56 Susan Faulkner: decomposing, hands on, flexibility
 00:35:56 Kay Cox: Variety to show same numbers
 00:35:58 Bonnie Angel: unitizing
 00:35:58 Milagros Carbonera: concrete materials
 00:36:00 Kathy Smith: independent skills development
 00:36:01 Leticia Chapa: Constructivist approach
 00:36:01 Kate Parsons: bundling + rebundling
 00:36:01 Noreen Shattuck: to see it.
 00:36:01 Elyse Lerman: able to group and regroup
 00:36:03 Angela Franco: Place Value Relationships
 00:36:04 Deanna Rigdon: heirsrcheal inclusion
 00:36:05 Alicia Madsen: clear visual of base 10
 00:36:05 Rebecca Cross: Great for place value and understanding that concept
 of nesting!
 00:36:06 Meghan Daniel: concrete and good for PV
 00:36:06 Amy Farris: visualization and manipulation
 00:36:06 Bernita Johnson: visual conceptualization
 00:36:09 Daina Dewald: Students can get their hands on the units
 00:36:09 Patti Luxton-Moore: concreteness & visibility
 00:36:09 Michelle Green: Students have a better chance of understanding what
 numbers truly represent ie 10 is 1 ten but its also 10 ones
 00:36:12 Sarah Dickie: decomposing is more aparent
 00:36:12 Caroline Moser: visual way to help with regrouping
 00:36:13 Patricia Gray: Advantages are that they can see the changing from
 tens, ones and hundreds
 00:36:14 Denise Griffiths: flexibility
 00:36:17 Heather Smith: different models as they can see them in many ways
 00:36:19 Myra Collins: Helps kids break down the numbers so they see how
 numbers are "made"

00:36:22 Justin Heid: Thank you!! :-))
00:36:25 Camille Nemanic: Knowing what's underneath, kids will really
see what each number is made up of.
00:36:26 Angela Cooper: many visuals
00:36:32 Tina Mitchell: concrete
00:36:36 Vicki Denney: develops number sense
00:36:36 Carol Matsumoto: decomposing
00:36:37 Thy Dinh: unitizing
00:36:39 Sandi Cooper: no trading, as with base-ten blocks, is necessary.
00:36:40 Myra Collins: Ties to money and helps it make sense
00:36:43 Lindsay Campbell: constructive understanding- they build their
understanding of place value instead of being told about it.
00:36:45 Justin Heid: Explore number sense
00:36:51 Barbara Knox: can always see the amount of ones
00:36:57 Martisha Dunn: compare base value blocks to ten frames
00:37:01 Sarah Dickie: matches with the place value system
00:37:02 Sandra MacDonald: wow!
00:37:07 Kim Arthur: Woohoo!
00:37:09 Alley Evans: sweet!!!
00:37:10 Tina Black: fluency
00:37:11 Cindy Bryant: Love these
00:37:12 Patricia Gray: great!
00:37:12 Tina Mitchell: Awesome!
00:37:12 Angela Torpy: Woo hoo
00:37:12 Melissa Forde: Matches place value
00:37:13 Chelsea Hakanson: that's exciting
00:37:13 Amy Frisina: concrete
00:37:13 Sharon Black-MacKinnon: Wow!!!
00:37:13 Sandra MacDonald: omg!!!
00:37:13 Camille Nemanic: Oooooh!!!!!!
00:37:14 Victoria J Del Fierro: yay!!!
00:37:15 Frances Lang: flexivle!
00:37:15 Ana Guerrero: Yes!
00:37:16 Kate Galbreath: How exciting!
00:37:16 Ellery Armes: Wow!! Yayy!
00:37:16 Christie Wuebbles: Yay!
00:37:16 Camille Greene: sweet
00:37:17 Ron Perry: place value
00:37:17 Maggie Pfuntner: WOW!
00:37:18 Janet Jimenez: Awesome
00:37:18 Heidi Hague: Awesome!
00:37:18 rachel wingo: awesome
00:37:19 Abby English: Sweet!
00:37:19 Ramona Hall: helps teach money
00:37:20 Mary Grove-Stover: multiple representations
00:37:20 Emily Johnson: That's awesome!
00:37:20 Pamela Jones: wow
00:37:20 Joanne Blake: Awesome!!
00:37:21 Tika Epstein: That is awesome!
00:37:21 Elaine Boyer: wow!

00:37:21 Leslie Texas: Great!
00:37:21 Katie Farry: wow
00:37:21 Sandra MacDonald: I love them!
00:37:21 Melissa Miller: Awesome!
00:37:22 Dave Hankin: Cool...
00:37:22 Leah Watson-Rodgers: Awesome!
00:37:22 Courtney Barringer: Oh these are amazing!!!
00:37:22 Ramona Hall: awesome!
00:37:23 Justin Heid: Yay!!! :-)
00:37:23 Monica Ramey: That's awesome. Thank you for that opportunity.
00:37:23 Ron Perry: whole numbers
00:37:23 Jennifer Russell: That is awesome!!!!
00:37:23 Linda Dalley: woo hoo!
00:37:23 Annette Gushue: awesome
00:37:23 Laura Lambert: Awesome!
00:37:24 Linda Wojton: so nice!
00:37:24 Quianna Watkins: Awesome
00:37:25 Camille Nemanic: That would be amazing!!!!!!!!!!!!
00:37:25 Katie Staub: wow!
00:37:25 Victoria J Del Fierro: yay
00:37:25 Marie Hannon: patterns
00:37:26 Karisma Alexander: yessss
00:37:26 Carol Matsumoto: The wooden base ten blocks don't break apart.
00:37:26 Marie Clarke: this is great
00:37:26 Laronda Raines-Langham: Awesome!
00:37:27 Samiyyah Blanford: representation
00:37:28 Michelle Green: That's awesome
00:37:28 Christina Tieu: whoo!
00:37:28 Katie Farry: thank you!
00:37:28 Dave Hankin: Me
00:37:29 Branch Pronk: Wonderful!
00:37:29 Perla Arellano: Visual
00:37:30 Nicolette Nalu: FREEBIES are always great!!!
00:37:30 Jocelyn Gabrino: prepares them to abstraction
00:37:31 Loren Kaplan: nice
00:37:31 Elaine Boyer: unitizing
00:37:32 Maire Roy: these are great!
00:37:32 JENIEVE DeBonis: Oh please!! I would love a set of these!!
00:37:32 Karisma Alexander: yesss
00:37:32 Kay Mason: flexible thinking
00:37:33 Christine Rees: builds base ten knowledge for future work
00:37:33 Nancy Alaniz: Not trading...
00:37:33 Perla Arellano: manipulative
00:37:33 Victoria J Del Fierro: concrete and visual
00:37:33 Frances Lang: flexible
00:37:34 Ashley Brehl: Awesome!
00:37:34 Janet Jimenez: Me
00:37:37 penny waddingham: decomposing
00:37:38 Courtney Barringer: Thanks for sharing these!

00:37:38 Milagros Carbonera: milagros
00:37:39 Denise Parker: wonderful
00:37:40 Perla Arellano: visual
00:37:40 Annette Krimmer: yay!
00:37:41 Linda Rodriguez: decomposing
00:37:42 Nancy Alaniz: flexibility
00:37:42 Linda Dalley: conceptual understanding
00:37:44 Lyn Pizzano: me please
00:37:47 Sophia Vitilio: wow!
00:37:50 Heather Smith: yay
00:37:50 Sandra MacDonald: congrats Gail!
00:37:51 Courtney Barringer: Favorite visual for my hands on learners
00:37:52 KEISHA SMITH: flexibility
00:37:52 Christina Tieu: congratulations!
00:37:53 Sharon Black-MacKinnon: congratulations!!
00:37:53 Ana Guerrero: Congrats
00:37:54 Andrea Green: Lucky Gail!!!
00:37:56 Marie Clarke: congrats
00:37:58 Justin Heid: Congrats Gail!
00:38:02 Susan Faulkner: Good for you Gail!!
00:38:02 JENIEVE DeBonis: Congrats!!
00:38:03 Daina Dewald: Congrats!
00:38:03 Elaine Winslow: nice!
00:38:05 Ashley Brehl: Congrats!
00:38:06 Quianna Watkins: Congrats Gail!
00:38:06 Deanna Sanders: Yay Gail!
00:38:08 Pam Cadena: Congratulations!
00:38:12 Stacy Milas: Congrats Gail!!
00:38:15 Elisa Waingort: So cool.
00:38:16 Lorie Huff: Congratulations Gail!
00:38:17 Mary Grove-Stover: cool!
00:38:20 Courtney Banks: Woot woot!
00:38:20 Cindy Kim: Congrats Gail!
00:38:20 Tracey Sweeney: Good for you!
00:38:22 Laronda Raines-Langham: Yay!
00:38:24 Cindy Bryant: That's great Gail!
00:38:24 Wendy Dyal: I love these!
00:38:29 Noe Eugenio: Congrats!
00:38:29 Branch Pronk: Yay Gail!
00:38:29 Martisha Dunn: great gift
00:38:30 Dave Hankin: We're still cheering, just at home....
00:38:30 LA VERNE MITCHELL: Congrats, Gail!
00:38:31 Jorge Veloso: Congrats!
00:38:32 Sandra MacDonald: wow!
00:38:34 Ana Guerrero: Wow!
00:38:39 Tina Mitchell: Congratulations!
00:38:39 Elaine Boyer: what a great prize!
00:38:40 Denise Parker: Yeah Gail!
00:38:42 Lori Mcdevitt: congrats, gail!!
00:38:45 Sandra MacDonald: oh yeah

00:38:47 Ana Guerrero: :(
00:38:48 Cathy Hutchins: Congrats, Gail!
00:38:48 Dave Hankin: Next time...
00:38:48 Lyn Pizzano: woohoo for you
00:38:50 Lynn Sykes: Good for you!
00:38:51 Jorge Veloso: Gongratulations Gail!
00:38:52 Camille Greene: Sad, but Congrats GAIL!!!!
00:39:07 Aisamuddin Ridhuan: yay
00:39:12 Berdine Goodman: Great and flexible
00:39:45 Andrea Green: Those retail for 497\$ so wow Gail!!!
00:41:20 Carrie Schade: Why do students have to anchor to 5?
00:41:42 Ana Guerrero: Can't share
00:41:59 Sandra MacDonald: can't share ;(and mine looks great!
00:42:00 Rani Govender: cant share
00:42:12 Leah Watson-Rodgers: Why have kids create the ten frame sheets.
I have even created life size ten frames using kids as counters.
00:42:13 Dave Hankin: I'd like to share.... but.....
00:42:17 Carrie Schade: What if they choose to use their double facts?
00:42:18 Sharon Black-MacKinnon:
00:42:18 Milagros Carbonera: unfortunately my camera is messed up
00:42:19 Sandi Cooper: I don't have the option to share, sorry
00:42:23 Ute Moore: can't get my video to work
00:42:25 Nadia Messadi: can't share
00:42:28 Delise May: @Carrie because it's easier to count by 5's. you
already have 5 fingers on each hand
00:42:30 Chelsea Hakanson: I'm not ever sure how to share, but its on
my piece of paper.
00:42:31 Mary Grove-Stover: can't share video
00:42:32 Christine Rudakewycz: Why can some of us turn our videos on, but
others don't have that option?
00:42:32 Mohamed Jamaludeen Thirapusa Mohaideen: no sharing now
00:42:34 catherine fox: sorry cannot share
00:42:41 Alison Pepero: wont share :(
00:42:42 Joanne Blake: Does the four have to be four across? I did two
rows of 2
00:42:46 Camille Nemanic: Why is capability to share not available?
00:43:08 catherine fox: not them , me-camera not working on desktop
00:43:12 Courtney Banks: I don't even see where to turn my camera on.
00:43:31 Beth Kobett: Cameras are not enabled. We are imagining. :)
00:43:35 Leah Watson-Rodgers: @carrie, 5 is crucial for 5+ which allows
kiddos to transition quickly to higher numbers. If I know $5 + 3$ is 8, I know $15 + 3$
is 18 and $15 + 13$ is 28.
00:43:37 Ramona Hall: Seeing the importance of always grouping in 5s
00:43:45 Dave Hankin: Video isn't available to us...
00:43:58 Alley Evans: video is not available
00:44:00 Chelsea Hakanson: I I I I I I I I
00:44:12 Ute Moore: I I I I I I I I
00:44:15 Dave Hankin: Just making reference to the previous activity..
00:44:21 Andrea Green: oh wow
00:44:22 Susan Bardenhagen: Chelsea, that's cool1

00:44:23 Aisamuddin Ridhuan: ||| | | | | | | |
00:44:23 April Sterbin: No video available.
00:44:24 David Barnes: Kim is modeling!
00:44:26 Sandra MacDonald: I I I I I I I I
00:44:31 Sharon Black-MacKinnon: l l l l l l l l
00:44:36 Nicolette Nalu: Nice thinking Sandra!! :)
00:44:38 JENIEVE DeBonis: l l l l l l l l
00:44:41 Dawn Schulte: Does it matter if the tens lines are drawn
vertically or horizontally. Our school stresses tens lines drawn horizontally?
00:44:41 Victoria J Del Fierro: I I I I I I I I
00:44:43 Dave Hankin: That's dedication!
00:44:45 Camille Nemanic: I I I I I I I I
00:44:47 Alison Pepero: I I I I I I I I
00:44:48 Vicki Denney: Teacher's are inventive that's for sure
00:44:48 Mohamed Jamaludeen Thirapusa Mohaideen: ||| | | | | | | |
00:44:50 Perla Arellano: Does the teacher print the cells for students?
00:44:51 Milagros Carbonera: // // // // //
00:44:52 Ron Perry: I I I I I I I I
00:44:53 Beth Kobett: I am so impressed!
00:44:54 Cathy Hutchins: Remember to use the 10 frame setup as opposed to
lines of tens and ones
00:44:55 Marie Clarke: I I I I I I I I
00:44:56 Cindy Bryant: You participants are the best!!!
00:45:08 Ramona Hall: o o o o l l l l
00:45:18 Emily Graff: 10 10 10 10 10 10 10 10 10 1 1 1 1 1 1
00:45:18 Mohamed Jamaludeen Thirapusa Mohaideen: 00000 ||| | | | | | | |
00:45:19 David Barnes: 0000 I I I I
00:45:24 Camille Nemanic: 000 I I I I
00:45:27 Delia Joseph: o o o o o I I I I
00:45:28 Sharon Black-MacKinnon: o o o l l l l
00:45:28 Ramona Hall: o o o l l l l
00:45:28 Ron Perry: 000 // // //
00:45:29 Aisamuddin Ridhuan: o o o | | | |
00:45:29 Delise May: o o l l l l
00:45:29 Wendy Dyal: 000 I I I I
00:45:29 Alison Pepero: 000 I I I I
00:45:30 Robin Harbour: 000 | | | |
00:45:31 Sunnie Ledbetter: 000 l l l l
00:45:31 Camille Greene: I love this for my intermediate ESE students (:
00:45:32 Mohamed Jamaludeen Thirapusa Mohaideen: cool
00:45:32 Crystal buegeler: 000 I I I I
00:45:34 Terri McCarthy: 000 I I I I
00:45:35 Sabrina Nikaghanri: o o o l l l l
00:45:36 Milagros Carbonera: 000 // // //
00:45:36 Chelsea Hakanson: o o o I I I I
00:45:37 Sandra MacDonald: H H H I I I I
00:45:40 Denise Parker: 000 l l l l
00:45:41 Courtney Banks: 000 I I I I
00:45:42 Dave Hankin: 000 x x x x v v v v v v
00:45:43 JENIEVE DeBonis: 000 l l l l

00:48:21 Leah Watson-Rodgers: We teach 5 frames and 5+ as 5 and some more instead of jumping directly to the 10 frame.

00:48:24 Megan Day: Could we shade ?

00:48:24 Ute Moore: make cubes

00:48:31 Michelle Green: squares open circles lines and dots

00:48:36 Susan Forbes: I think that when checking work in multi-step problems it is a benefit to students to be able to instantly recognize quantities that are sub-steps of the final answer so that organizing the quantity in a regular pattern is very beneficial to students

00:48:41 Emily Graff: change the value of the 10 spaces of a 10 frame

00:48:42 Alley Evans: We also start out in kindergarten with 5 frames.

00:48:47 Maggie Pfuntner: the pattern will continue with additional boxes and different symbols

00:49:00 Sunnie Ledbetter: You can use squares (thousands), open circles, lines, and then closed circles

00:49:01 Ramona Hall: ooo / ooooo lllll

00:49:02 Jennifer Russell: shading or coloring sets of 3 box ten frames

00:49:04 Gracemary Mannion: Nesting?

00:49:10 Emily Graff: instead of each box being worth 1, let it be 10, 50 etc

00:49:17 Denise Pusateri: Label like a place value chart

00:49:18 Linda Wojton: same set of three boxes for numbers less than 100 repeated for the next period

00:49:19 Melissa Miller: I've used 3D cubes to draw 1,000s before but not sure about places beyond that

00:49:20 Nyla Moore-McCreary: colors, symbols

00:49:21 Bonnie Angel: since you have different symbols for hundreds, tens, and ones, could you repeat in each period?

00:49:21 Heather Smith: I was thinking the squares for thousands as they

00:49:21 Janet Jimenez: Use shapes

00:49:25 Mary Grove-Stover: use squares, squares with x inside , square colored int

00:49:26 Anna Arredondo-Kim: HHHHThThThThThThThTh0000|||||.....

00:49:27 Heather Smith: make rectangles

00:49:29 Alison Pepero: ten frames and shapes

00:49:38 Vicki Denney: place value at its finest

00:49:38 Ramona Hall: oooooo lll, lllllllllll .., oooooooo llll ...

00:49:42 Linda Rodriguez: can't see what you sketched

00:49:51 Debra Slowik: I don't see it

00:49:54 Stacy Milas: I can't see

00:49:55 Alice Dahlstrom: am not seeing it

00:49:58 Linda Rodriguez: Can't see what you sketched

00:49:58 Kathryn Mead: do the ten frames have to be connected?

00:50:00 Sandra MacDonald: 000 00000IIIII

00:50:00 Marna Lampe: I can't see it either... still on slide with numbers...

00:50:02 Terri McCarthy: 0000,00000IIIII.....

00:50:05 Linda Rodriguez: Can't see what you sketched

00:50:06 Nyla Moore-McCreary: ::::0)))""

00:50:06 Rachel Wingo: 0000,ooooolllll.....

00:50:07 Jennifer Colson: You would do it the same and then just have the comma in the middle.

00:50:08 Ute Moore: I_I I_I I_I I_I , I_I I_I I_I I_I I_I IIIII
.

00:50:13 Linda Rodriguez: Can you show what you sketched?

00:50:16 Wendy Dyal: ***)))))) , 00000IIIIII.....

00:50:17 Alison Pepero: 0000, IIIIIIII, #####, ^^^^, >>>>>>

00:50:17 Emily Graff: not seeing it

00:50:17 Crystal buegeler: ooo , oooooIIIIII.....

00:50:20 Stacy Milas: can't see

00:50:20 Sunnie Ledbetter: can you hold it closer to the camera?

00:50:21 Branch Pronk: If you can't see, enlarge your screen and you will see her with the whiteboard

00:50:21 Linda Rodriguez: Not seeing it

00:50:23 Denise Parker: 0000.....,00000l1111.....

00:50:25 Ramona Hall: this is fun

00:50:32 Sandra MacDonald: makes total sense

00:50:34 Sabrina Nikaghanri: 0000, 00000 l1111

00:50:37 Dave Hankin: tttt blank rrrrrrrr eeeee yyyyy aaaaaa

00:50:37 Deanna Rigdon: not seeing it

00:50:40 April Sterbin: oooo ooooo IIIII

00:50:43 Sharon Black-MacKinnon: 0000..... 00000l1111.....

00:50:45 Terri McCarthy: 000000III....., IIIIIIII.., 00000000IIII...

00:50:45 Emily Graff: iPads can't see it

00:50:48 Frances Lang: can't see

00:50:50 Lori Mcdevitt: that makes sense!

00:50:52 Deanna Sanders: Yesss... That makes so much sense!!

00:50:52 Wendy Dyal: Makes so much sense

00:50:54 Cindy Bryant: Powerful visual!

00:50:56 Andrea Green: its ok to use commas?

00:51:02 Maggie Pfuntner: makes a lot of sense!

00:51:06 Sandra MacDonald: much better

00:51:09 Ute Moore: woohooo

00:51:14 Tamikia Greene: makes more senses!!!!

00:51:15 Milagros Carbonera: that's great

00:51:52 Vicki Denney: could you also use different colors for ones, tens, and hundreds

00:51:55 Ramona Hall: oooooo lll , l11111111 .. , oooooooo l111 ...

00:51:59 Kathryn Mead: do the ten frames have to connected?

00:52:09 Denise Parker: 000000l11.....,l11111111..,00000000l111...

00:52:09 Susan Forbes: Did you think about using a triangle instead of a circle for the hundreds position with a period

00:52:11 Cindy Bryant: Commas are very important!

00:52:16 Sandra MacDonald: 000000 III IIIIIIII.. 00000000 IIII
...

00:52:19 Heather Smith: do they get confused?

00:52:20 Christine Rudakewycz: But how can the same symbol be used for thousands and ones, and for thousands and hundred thousands?

00:52:24 Mark Phipps: So, do you then extend this to decimals in these groupings?

00:52:25 rachel wingo: 00000111....,11111111..,00000001111...

00:52:25 Mohamed Jamaludeen Thirapusa Mohaideen: 00000|||.... , ||.. ,
0000000||||...

00:52:29 Crystal buegeler: ooooooIII.... , IIIIIIIIII.., 00000000IIIII...

00:52:38 Natasha Young: oooooo111....,11111111..,ooooo1111...

00:52:38 Dave Hankin: xxxxxxbbbbaaaaa blank bbbbbbbaaxxxxxxxxbbbbaaa

00:52:43 Wendy Dyal: 00000III.....,IIIIIIIII..,0000000IIIII...

00:52:49 April Sterbin: 00000 0 III , IIIII IIII .. , 00000 000 IIII
...

00:52:55 Ute Moore: I_I I_I I_I I_I I_I I_I III , IIIIIIIIII ..
, I_I I_I I_I I_I I_I I_I I_I I_I I_I IIII ...

00:52:57 Dave Hankin: I know I should be using circles and dots...

00:53:00 Loren Kaplan: Have you thought about using a different icon for
thousands, etc? I can see the advantage to using the same symbols for each period,
but it seems like a lot to ask conceptually, perhaps?

00:53:07 Milagros Carbonera: yes there are three digits in every period

00:53:07 Tracy Coleman: 00000|||....., |||||.....,0000000|||.....

00:53:08 Sandra MacDonald: I don't use commas because commas represent
decimals in French

00:53:10 Heather Smith: So thinking of the kids, in grade 2 I worry they
would get confused for thousands and ones

00:53:11 Sharon Black-MacKinnon: 00000111.... 11111111.. 00000001111...

00:53:13 Ellery Armes: Vicki - I think the colors would be super helpful!
Especially in the beginning! It would be so visual!

00:53:17 Latia Foster: can you label the periods?

00:53:33 Emily Graff: wrote it above

00:53:38 Natalie Troadec: This is great way to explain it for the
students, great visual

00:53:43 Emily Graff: what house are we in

00:53:49 Ana Guerrero: Do we have to use a circle to represent the
hundreds, or can we use a square?

00:53:51 Pam Cadena: color coding would be great support for ELs and
students with disabilities

00:53:51 Ron Perry: It's beautiful because it is how you read it six
hundred thirty-five million...

00:53:56 Kristin Johnston: My 4th grades struggle with the place values
as the number gets larger. I am always showing them the repeating pattern of HTO in
each family. I love how I will be able to let them represent it pictorially beyond
the hundreds place. Thanks.

00:54:01 Kate Galbreath: would this work for decimals?

00:54:12 Dave Hankin: Thank you for telling us...

00:54:13 Sharon Black-MacKinnon: yes it would work for decimals

00:54:14 Christine Rudakewycz: If there are 2 circles in the "thousands"
place, and 3 circles in the "ones" place, wouldn't that actually mean 5 ones, not
2000 and 3?

00:54:16 Judith Florczak: Which grade level do they introduce
"periods"?

00:54:22 Justin Heid: For our special education students you could provide
a blank chart with these ten frame blocks.

00:54:26 Tamara Dixon: Should students draw their ones first, then tens,

then hundreds etc in increasing place value order?

00:54:30 Angela Cooper: Great idea to teach number to name. See it, touch it, say it.

00:54:32 Linda Rodriguez: patterns repeat

00:54:33 Enkelejda Limani: The magnitude of the number is still hidden though with this model....not convinced...kids will still have trouble understanding how big a number gets as you move to the left of the place value.

00:54:33 Victoria J Del Fierro: repetitive

00:54:33 Ramona Hall: they repeat

00:54:34 Andrea Green: why is it called millions, thousands, units periods and not millions, thousands, hundreds periods?

00:54:34 Kendra Edwards: Repeating pattern

00:54:35 Heidi Hague: Patterns remain the same.

00:54:36 Danielle Krueger: It repeats

00:54:36 Tracey Till: The patterns repeat.

00:54:37 Wendy Dyal: Repeating pattern

00:54:37 Sunnie Ledbetter: You use the same symbol

00:54:37 Justin Sheek: They're consistent

00:54:37 Sheri Tralmer: The patterns are quite similar

00:54:38 Robin Humberstad: The pattern continues

00:54:38 Ute Moore: They are the same just added commas

00:54:38 Maria de los Llanos Hortelano Garcia: The pattern is the same

00:54:38 Ashley Brehl: Always repeating the hundreds, tens, ones

00:54:38 Kathryn Mead: the patterns repeat

00:54:39 Lori Mcdevitt: repeat

00:54:39 Cindy Kim: pattern repeat

00:54:39 Cindy Bryant: Yes, it is great for upper graders Nancy!

00:54:39 Kayla Verpoorten: Repeating patterns

00:54:40 Linda Wojton: repetition

00:54:40 Bernita Johnson: the pattern does not change

00:54:40 Kathryn Darling: repeated patterns

00:54:40 Tina Mitchell: patterns repeat for each period

00:54:40 Pamela Jones: repeat

00:54:40 Charleta White-Fletcher: Same Symbols

00:54:40 Christie Wuebbles: Patterns repeat

00:54:40 Toni Galassini: growing

00:54:41 Janet Jimenez: Repetition

00:54:41 Sophia Vitilio: The patterns remain the same

00:54:42 Inger Murphy: patterns repeat

00:54:42 Monica Ramey: It is predictable within each period

00:54:42 Sharon Black-MacKinnon: place value patterns repeat

00:54:42 Elyse Lerman: repeating pattern

00:54:42 Michelle Green: Its a repeatable pattern

00:54:43 Denise Pusateri: cycle of patterns

00:54:44 Perla Arellano: Pattern repeats

00:54:44 Emily Graff: based on having a full 10

00:54:44 Kay Mason: repetition

00:54:44 Gricelda Monroy: more cells

00:54:45 Becky Spears: Repeating patterns

00:54:45 Sandi Cooper: it's more manageable for a concrete model

00:54:45 Laura Holloway: The patterns are the same for each period

00:54:45 Abby English: Routine

00:54:45 Maire Roy: Place value repetition

00:54:46 Jennifer Oneill: cohesive system

00:54:46 Teresa Reddish: The patterns are similar

00:54:47 Becky Mann: patterns continue to repeat

00:54:47 Sophia Vitilio: The symbol remains

00:54:47 Kelly Kuster: repeating pattern

00:54:47 Perla Arellano: same symbol

00:54:47 Kristin Mertens: repeating patterns and symbols stay the same

00:54:48 Sandra McMullen: patterns stay the same

00:54:48 Diane Anderson: It is a repeating pattern

00:54:48 Camille Greene: base ten system is more evident

00:54:48 Elaine Winslow: repetition, the ease of the ten frame arrangement

00:54:49 Daina Dewald: Repeating patterns

00:54:49 Laurie Beavers: they repeat and same symbole

00:54:49 Melissa Forde: Repetition

00:54:49 Bethany Flores: stays consistent

00:54:50 Andrea Sinks: I like that they see the repeated patterns

00:54:50 Berdine Goodman: patterns repeat

00:54:50 Kate Parsons: patternsn repeat

00:54:50 Amy Garwell: repeating with same symbol

00:54:50 Mary Grove-Stover: It stays the same....but period name is different

00:54:51 Cathy Hutchins: All place values are set up like ten Fram.
Different symbols

00:54:51 Jennifer Keene: It repeats

00:54:52 Christi Mitman: patterns and symbols repeat in a way that is meaningful

00:54:52 Anna Arredondo-Kim: Iterative nature of our number system and place value

00:54:52 Perla Arellano: repetition

00:54:53 Patti Gawronski: periods repeat

00:54:53 Terri McCarthy: It's the same pattern

00:54:53 Robin Harbour: The patterns stay the same---which will help the students read the numbers

00:54:53 Mindy Wynne: repetitive

00:54:53 Mark Phipps: Big Mac approach, very nice

00:54:53 Nicole McCarthy: patterns repeat - easier for kids to understand

00:54:53 Pam Cadena: growing the same visual to give kids that scaffold

00:54:54 Roberta Rotolo: I like the fact that the ones, tens, hundred symbols always stay the same

00:54:54 Deborah King: always making 3 digit numbers

00:54:54 Tina Mitchell: Liked the use of the same symbol - makes it very clear

00:54:54 Camille Nemanic: Representations of the numbers are consistent in each period.

00:54:54 Audrey Campbell: They repeat , using same symbol

00:54:54 Susan Faulkner: predictability with place value

00:54:54 Leslie Sorace: The objects go from smaller to larger

00:54:54 John Sasko: Structure is re-inforced.

00:54:55 Monica Parraga: patterns continue

00:54:56 Sandi Cooper: connections to symbolic form

00:54:56 Stacy Sammons: Repeating

00:54:56 Inger Murphy: symbols repeat

00:54:56 Lorelei Phillips: repeating patterns

00:54:56 Aisha Gaisi: the pattern stays the same, and kids can make the connection more easily

00:54:56 penny waddingham: repeating pattern

00:54:56 Cassandra Satterfield: Repetition, patterns, consistency

00:54:57 Emily Johnson: carry from one set of 3 place values to the next

00:54:57 Allison Miller: repeating patterns: ones, tens, hundreds

00:54:57 Dana Ford: it repeats, same symbol for the place values

00:54:57 Linda Wojton: helps with how you SAY larger number

00:54:57 Sandra MacDonald: hundreds are represented the same way in each period, as are tens and ones

00:54:58 Julie Vanderlugt: They are the same hundreds, tens, ones in all the periods.

00:54:58 Monica Tobe: repetition

00:54:59 Linda Madden: Great for understanding how to read numbers.

00:54:59 JENIEVE DeBonis: repeated patterns but similar symbols help students understand

00:54:59 Sandra Rasmussen: relationships patterns stay the same

00:54:59 Delia Joseph: patterns are the same, just the place value is different

00:54:59 Caroline Moser: you see the groups of 10 for each digit

00:55:00 Dornisha Shead: you can see the same symbol

00:55:00 Patti Kleinhanzl: it repeats which would help students to see the patterns

00:55:00 Deirdre Murphy: repeats every 3 boxes

00:55:00 Sarah Dickie: the patterns repeat in each period

00:55:00 Rebecca Cross: The same symbols, the repetition of one, ten and hundred each time.

00:55:00 Deanna Rigdon: ones ten hundreds repeat in periods

00:55:01 Ute Moore: they are the same only commas added

00:55:01 Sophia Vitilio: The layout is the same

00:55:01 Abby English: It provides routine for a lot of students

00:55:01 Quianna Watkins: The symbols for H T and O repeats for each period because each period have H T and O.

00:55:02 Nancy Alaniz: There is a repeated pattern that will reinforce understanding about hundreds, tens, and ones

00:55:02 Doreen: easier for students to see the repetition of patterns

00:55:03 Beth Seyler: still use 5 and then additional

00:55:03 Leslie Texas: Making use of structure

00:55:03 Bonnie Angel: Easy to see the pattern as numbers grow larger.

00:55:04 Suzanne Lawrence: The simplicity/repetition is nice for struggling learners

00:55:05 Milagros Carbonera: using the same symbols

00:55:06 Kathryn Mead: same symbols

00:55:06 Denise Parker: patterns repeat and commas help read the number

00:55:06 Karen Reodica: patterns continue to repeat, and their is consistency.

00:55:06 Kelly Kuster: continuity

00:55:06 Katie Staub: repetition

00:55:07 Eric Stauth: Use different colors for the ones, tens, and hundreds

00:55:07 Laronda Raines-Langham: Repetitive/consistent

00:55:09 April Sterbin: Large numbers aren't a mystery

00:55:09 Andrea Sinks: Great for when they move into decimals in 4th grade

00:55:09 Perla Arellano: same symbol

00:55:11 Karla Dangerfield: The placement stays the same as they group.

00:55:11 Thy Dinh: units are related to each other

00:55:12 Doreen: structure!

00:55:13 Emily Graff: using what already learned old to new

00:55:13 Ron Perry: It's how you READ the number

00:55:13 Vicki Denney: great representative of place value and how it expands

00:55:13 Missy Silva: familiarity=no fear!!

00:55:14 Myra Collins: I could see lots of discourse about how to represent the zero and/or how to read it

00:55:15 Kim Arthur: Helps students see that the pattern repeats - very visual representation of periods

00:55:15 Kathy Smith: HTO patterns

00:55:15 Marna Lampe: separating the periods--conceptually "chunking" groups of numbers

00:55:15 Kate Galbreath: CRA blends the Concrete and representational

00:55:16 Christi Mitman: Can see the period and when to say the period label.

00:55:16 Christine Rudakewycz: I agree with Enkelejda....I think you would need a different symbol for each place value.

00:55:16 Abby English: Helps understand how to correctly say the numbers

00:55:17 Leona Maas Bekkers: Patterns in number

00:55:17 Sophia Vitilio: consistency for larger and smaller numbers

00:55:17 Ellery Armes: the 10 frame is always consistent - you don't have to go back and count every single time.

00:55:17 Lorie Huff: It helps students see that our number system repeats ones, tens, hundreds but the value increases with each period.

00:55:18 Deirdre Murphy: You can extend infinitely or the amount of paper you have

00:55:18 Janet Jimenez: symbols are repetitive yet values differ

00:55:18 Maureen Mulvey: yes, periods and comas are imporant

00:55:18 Karen Baker: patterns, repeating, visual representation of periods

00:55:18 Jennifer Russell: the power of magnitude!

00:55:18 Dave Hankin: longer strings of symbols

00:55:19 Perla Arellano: patterns

00:55:20 Nancy Alaniz: Deep understanding about h, t, o

00:55:20 Lynn Sykes: concept

00:55:20 Tracey Sweeney: Place value understanding

00:55:24 Katie Staub: familiarity

00:55:24 Gina St Clair: Repetitive structure
00:55:25 Sandra MacDonald: If you understand the first period, it gets you ready for larger numbers
00:55:25 Leticia Chapa: The patterns within a structure of the base ten system
00:55:25 Christine Mulgrave: mp 7 and 8
00:55:26 Mary Hamilton: every period has ones, tens, hundreds
00:55:27 Ramona Hall: grouping of numbers in 3s
00:55:28 Erica Green: Using the same symbol helps them see that pattern and therefore emphasizes the idea of what happens in the ones, happens in every place.
00:55:28 Aisha Gaisi: the more boxes they see the larger the number should be
00:55:28 Tina Black: repeating, consistent
00:55:29 Katie Staub: understanding place value
00:55:31 Kathryn Mead: huge for understanding place value
00:55:34 Susan Bardenhagen: This makes reading and understanding large numbers so much easier!
00:55:36 Deanna Sanders: I LOVE the usage of the boxes for zeros and patterns especially for my DL learners
00:55:37 Susan Forbes: understanding of naming conventions
00:55:39 Terri McCarthy: repetition makes it easier for the kids to see
00:55:39 Deirdre Murphy: ESL you can connect language
00:55:40 Emily Graff: connect old use of 10 to larger numbers of place value
00:55:40 Anna Arredondo-Kim: what you apply to the ones/units period, extends the rest of our number system ... and even as numbers get smaller with decimals
00:55:41 Mary Grove-Stover: easy to represent large numbers
00:55:42 Denise Parker: same pattern for ones tens hundreds places
00:55:44 Sunnie Ledbetter: actually understand the commas and it helps since after every three numbers you put a comma. So the frame has 3 sections so kids can see it.
00:55:45 Andrea Green: oh I figured it out why its called units period, duh me
00:55:45 Luzviminda Bayarong: Place value
00:55:47 Myra Collins: Makes sense of place value
00:55:48 Patti Luxton-Moore: repeating pattern as magnitude increases
00:55:50 Stephanie Branson: help visualize numbers
00:55:50 Cindy Bryant: There was a question about when you introduce periods?
00:55:52 Milagros Carbonera: this is great for place value understanding of students
00:55:55 Delia Joseph: great for ESE students
00:55:57 Abby English: What about fractions?
00:55:58 Patricia Gray: the ten frame stays the same just using millions, thousands and hundreds
00:55:59 Nicolette Nalu: Investigations uses something similar and calls them stickers...sticker station! :) STAYING IN CONCEPTUAL IS GREAT FOR Number Sense and Base-Ten foundations!

00:56:04 Rose Walton: repeat patterns and visual

00:56:06 Dana Ford: great question about how it looks with decimals!

00:56:09 Martisha Dunn: students can read the numbers with clarity

00:56:11 Amanda Arney: touch it say it will help when students have to use written expression

00:56:12 JENIEVE DeBonis: great special education tool! Thank you!

00:56:15 Abby English: Very helpful for students with disabilities

00:56:18 Susan Forbes: How are you going to treat thousandths?

00:56:19 Jocelyn Gabrinoa: powers of 10

00:56:30 Christi Mitman: Symbols tie it together

00:56:56 Deanna Sanders: We often ASSUME our students see the patterns, this helps our students to actually represent the patterns in a literal way

00:56:59 Aisha Gaisi: commas are used to show numbers getting bigger, while the decimal will be used to show numbers getting smaller and the frames should be on the other side

00:57:03 Melanie Meloche: similar pattern but different magnitude

00:57:04 Christine Rudakewycz: But you would HAVE to stay proportional for kids to fully understand the idea.

00:57:16 Leslie Texas: By doing this, they look for and make use of structure for themselves

00:57:17 Milagros Carbonera: I guess this is good only for whole numbers

00:57:22 Justin Heid: What was the phrase she used when she was pointing to the ten frame model for the bigger numbers?

00:57:23 Janet Jimenez: I can definitely see how this will be a helpful tool for students to utilize as they explore with adding and subtracting larger numbers.

00:57:36 JENIEVE DeBonis: would there be a way for this to work with decimals?

00:57:42 Martisha Dunn: students can feel comfortable when reading numbers

00:58:26 Sandra MacDonald: fill the ten by removing two from six and add it to 8 to make ten

00:58:31 Tracey Sweeney: decompose the 8 into 5 and 3, decompose the 6 into 3 and 3

00:58:39 Terri McCarthy: move the squares up to the top ten frame

00:58:45 Emily Graff: fill up the 10 frame first

00:59:06 John Sasko: same VALUE as, not the same as...

00:59:20 Terri McCarthy: I am teaching my kindergarteners this strategy this week

01:00:40 Ramona Hall: ooooo llllll llllllll

01:01:03 Emily Graff: 000 111111 + 00 11111111

01:01:04 April Sterbin: ooo IIIII I + oo IIIII III

01:01:21 Ramona Hall: 500 140 11 = 600 50 1 = 651

01:01:23 Sandra MacDonald: 0 0 0 0 0 0 I I I I I .

01:01:26 Vicki Denney: the goal would be to create a 10 each time...moving into creating hundreds as well

01:01:27 Sharon Black-MacKinnon: 00000011111...

01:01:44 Milagros Carbonera: 00000011111.

01:02:00 Marna Lampe: can't see

01:02:05 Terri McCarthy: 000000IIIII.

01:02:12 Sharon Black-MacKinnon: hit the . too many times...lol

01:02:34 Rani Govender: 281

01:02:39 Beth Kobett: You are all AMAZING!

01:03:25 Damaa Bell: an introduction to regrouping?

01:03:32 Milagros Carbonera: 651

01:03:58 Enkelejda Limani: John De Walle is turning in his grave - She said "I do, we do, you do".

01:04:07 Kimberly Jones: Lol!

01:04:13 Sandra MacDonald: nice!

01:04:16 Melissa Campbell: would you repeat question, can I make a ten or would you ask it relevant to place, ie: can you make a hundred

01:04:19 Milagros Carbonera: students will have better understanding on place value

01:04:26 Catherine Bronikowski: Global Math Project - exploding dots

01:04:31 Laronda Raines-Langham: Love it!!!

01:04:40 Gricelda Monroy: Is this a strategy or model for mathematics?

01:04:47 Andrew Stella: What about subtraction?

01:04:49 Denise Parker: going to try this with my 3rd graders next year

01:04:56 Marquita Morris: I thought it was 658...no regrouping in the ones place.

01:04:57 Dave Hankin: Thank you!

01:05:01 Damaa Bell: Great pictorial representation of regrouping

01:05:02 Lynn Sykes: Thank You!

01:05:06 Patricia Gray: love this so much easier for the students to understand

01:05:08 Mary Grove-Stover: excellent representations

01:05:09 Justin Heid: Enkelejda: Is it bad to say "I do, we do, and you do"

01:05:11 Cindy Bryant: Awesome sketches!

01:05:14 Leah Watson-Rodgers: Love that the frames extend to large numbers. I tend to not spend enough time in pictorial.

01:05:19 Barbara Harvey: love this all

01:05:23 Judith Florczak: model

01:05:30 Jennifer Russell: Thank you for including Subtraction and Division in your presentation for us!

01:05:33 Sandra MacDonald: I love multiplication with ten frames!

01:05:37 Kimberly Jones: Most research supports you do, we do, I do for Math.

01:05:49 Abbe Kellner: hey Dave Hankin! it's Abbe Krauss!

01:05:49 Justin Heid: Ok! I thought so :-)

01:05:49 Laurie Kurzen: I joined in late...can I view the recording?

01:05:53 Sabrina Nikaghanri: love the representation and the flexibility

01:06:04 Dave Hankin: Hello!!

01:06:07 Emily Graff: great way to show repeated addition of a group of an amount

01:06:18 Janet Jimenez: This is great. I love how the tools are stackable/.

01:06:37 Denise Parker: love it, I need these in my classroom

01:06:39 Terri McCarthy: These are amazing!!!!

01:06:45 Milagros Carbonera: commutative property

01:06:50 Victoria Klinakis: love it

01:06:53 Sandra MacDonald: lol

01:07:06 Jorge Veloso: LOL

01:07:11 Pam Cadena: great way to explain commutative property

01:07:14 Lorie Huff: Great point
01:07:15 Jorge Veloso: Very true!
01:07:15 Christine Mulgrave: good example
01:07:16 Kim Arthur: I am moving to 3rd grade next year - can't wait to use
01:07:24 Elisa Waingort: Thank you. This is great. I have to sign off for dinner, but I'm looking forward to watching the end of this video when we get the recording.
01:07:27 Barbara Harvey: nice examples
01:07:44 Laronda Raines-Langham: Great representation!
01:07:56 Andrea Green: that is really cool
01:07:59 Vicki Denney: could you use unifix cubes too
01:08:04 Tina Mitchell: Really like how the cubes show multiplication using the 10-frame. Wouldn't have thought to use them for this purpose. Very visual.
01:08:09 Susan Faulkner: LOVE this! thank you for the visual
01:09:03 Sandra MacDonald: very cool!
01:09:12 Judith Florczak: great way to show distributive property for my middle schoolers
01:09:16 Sandra MacDonald: that makes so much sense!
01:09:22 Sandra MacDonald: partitioning
01:09:30 Lynn Sykes: Where do we get these 10 frames?
01:09:34 Chelsea Hakanson: Wow!
01:09:37 Milagros Carbonera: decomposing the number
01:09:45 Chelsea Hakanson: love it!
01:09:48 Terri McCarthy: I love these strategies..WOW
01:09:50 Emily Graff: finding a 10
01:09:55 Abby English: What about multi digit by multi digit?
01:10:03 Debbie Wells: Nice visual for distributive property.
01:10:10 Martisha Dunn: love it
01:10:28 LA VERNE MITCHELL:
<https://kpmathematics.com/product/beyond-math-blocks-teacher-institute/>
01:10:46 Sandra MacDonald: thanks for the link!
01:10:54 Fran Huntoon: It's an equal groups model
01:11:04 Kristen Park: love this
01:11:06 LA VERNE MITCHELL: you're welcome!
01:11:08 Debbie Wells: manipulative to pictorial to abstract-great
01:11:17 Milagros Carbonera: This is a great strategy
01:11:21 Jackie Dargon: Amazing
01:11:23 Emily Graff: can do division too opposite of the frames
01:11:24 Sandra MacDonald: This has been amazing!
01:11:35 Abby English: Can this be used for multi-digit by multi-digit multiplication?
01:11:36 Jessica Barrier: That is a great way to look at it. Students can visualize this. It would be easier to grasp the concept.
01:11:37 Heather Smith: I wish our district could afford these models.
01:11:45 Jet Yeung: This is a very interesting way using the ten-frame.
01:11:50 Sarah Dickie: Very interesting. Thank you.
01:11:55 Jessica Barrier: Thank you!
01:11:59 Sharon Snyder: This was the third class I have taken with you guys and they are awesome

01:11:59 Wendy Dyal: I love this!

01:12:02 Linda Wojton: Love how the ten-frame can be used in the upper grades

01:12:06 Jocelyn Gabrinao: Thank you!

01:12:08 Tamikia Greene: This is amazing!

01:12:08 Elaine Boyer: wow! I love the representations

01:12:11 Dornisha Shead: This was great. Thank you for sharing.

01:12:13 Judith Florczak: groupings

01:12:15 Wendy Dyal: Base ten

01:12:15 Tracey Sweeney: The groupings of ten

01:12:17 Abby English: Still starting in the same order

01:12:18 Emily Johnson: you can show repeated addition!

01:12:18 Ramona Hall: skip counting

01:12:18 Christie Wuebbles: Multiplication is repeated addition

01:12:18 Emily Graff: never thought of using this way for a 10 frame from one 10 frame to beyond

01:12:18 Linda Wojton: Connecting what students know to new learning

01:12:19 Ashley Brehl: regrouping

01:12:19 Melissa Campbell: repeated groups

01:12:20 Toni Galassini: groupings

01:12:20 Jessica Barrier: groupings

01:12:21 Kim Arthur: The place value patterns are going to make so much sense to students!

01:12:21 Cassandra Satterfield: regrouping

01:12:21 Sharon Snyder: place value

01:12:21 JENIEVE DeBonis: They are still grouped into 10

01:12:21 Linda Rodriguez: it can move to the representational model

01:12:22 Kathy Smith: equal groups

01:12:22 Joanne Blake: this is a great way to help students visualize the values of the groups

01:12:23 Amy Garwell: that it is groups

01:12:23 Sandi Cooper: better connection to the symbolic form

01:12:24 Lorelei Phillips: the groupings

01:12:24 Charleta White-Fletcher: Grouping is easier

01:12:24 rachel wingo: grouping

01:12:24 Sophia Vitilio: You can easily decompose to multiply

01:12:24 Kristin Johnston: groups of ten

01:12:25 Stephanie Izzard: Regrouping

01:12:25 Monica Ramey: Students can see the magnitude. They can see how numbers build

01:12:25 Roberta Rotolo: groupings of ten

01:12:25 Stacy Timmins: repeated groups

01:12:25 Linda Dalley: helps with understanding of X10 as you move place values

01:12:25 Kayla Verpoorten: Base 10 modeling

01:12:26 Milagros Carbonera: decomposing the number

01:12:26 Kelly Kuster: place value

01:12:26 Mary Grove-Stover: easy representation of the distributive property.

01:12:26 Deirdre Murphy: groupings of 10

01:12:26 Stephanie Rish: groupings
 01:12:26 Sara Lane: repeated addition
 01:12:26 Denise Pusateri: I love the repetition with multiplication
 01:12:26 Jennifer Colson: I never even knew you could multiply with
 ten frames!!
 01:12:27 Camille Nemanic: Groupings
 01:12:27 Vicki Denney: visual representation
 01:12:27 Laurie Beavers: groupings of 10
 01:12:28 Debbie Wells: The power of ten
 01:12:28 Perla Arellano: Repeated grouping
 01:12:28 Justin Heid: Patterns
 01:12:28 Heather Smith: It can be structured into groups in place
 01:12:28 Rebecca Gonzalez-Kreisberg: Representation of grouping
 01:12:29 Andrea Sinks: repeated
 01:12:29 Melanie Meloche: regrouping seems more natural
 01:12:29 Sandra MacDonald: What we saw with addition works well for
 other operations
 01:12:29 Amy Lieberman: This makes it easier for ME to understand.
 01:12:29 Sara Lane: place value
 01:12:30 Lori Mcdevitt: groupings
 01:12:30 Diane Anderson: Grouping of tens
 01:12:31 Jennifer Oneill: cohesive with the repeating system
 01:12:31 Heidi Hague: I love that kids will be able to see that it is
 repeated addition in multiplication
 01:12:31 Kim Henry: Neatly organized
 01:12:31 Emily Johnson: regrouping
 01:12:31 Maggie Pfuntner: visual grouping
 01:12:31 Lynn Lafferty: grouping
 01:12:31 Thy Dinh: repeated addition
 01:12:31 Dawn Schulte: repeated addition with the groupings
 01:12:31 Brynn Turkish: Partial products
 01:12:31 Nicole McCarthy: Grouping - visual for students to see
 01:12:32 Ellery Armes: grouping and regrouping!
 01:12:32 Kate Parsons: groupings of ones, tens, hundreds
 01:12:32 Fran Huntoon: Digits keep shifting place values
 01:12:32 Justin Sheek: The groupings
 01:12:32 Julie Katingima: groups
 01:12:32 Linda Wojton: repeated groupings
 01:12:32 Sunnie Ledbetter: Place value
 01:12:32 Christi Mitman: Ability to regroup
 01:12:32 Emily Graff: basics of place value with 10
 01:12:32 Denise Parker: great way to show commutative property
 01:12:32 Tracey Till: Love how this shows how the 10 carries to the next
 frame.
 01:12:33 Sonya Johnson: groupings
 01:12:33 Myra Collins: it will help students connect the grouping to
 numbers
 01:12:33 Judith Ripke: Repeats the groupings
 01:12:33 Ana Guerrero: regrouping
 01:12:33 Becky Mann: i think students will be able to see things in a way

they never have before

01:12:33 Sandra Rasmussen: equal grouping
01:12:34 Christine Mulgrave: magnitude of number, groupings
01:12:34 Cindy Kim: repeated structure/grouping of tens
01:12:34 Perla Arellano: Organized
01:12:34 Elaine Boyer: Liping Ma's statement
01:12:35 Marquita Morris: decomposing the numbers
01:12:35 April Sterbin: Amazing being able to see the visual with the nesting and periods!
01:12:37 Aisha Gaisi: groups of numbers in patterns
01:12:37 Leona Maas Bekkers: Regrouping when using the stacks to make 10 is easy
01:12:37 Missy Silva: familiarity=no fear
01:12:37 Kathryn Mead: distributive property
01:12:37 Mark Phipps: Physical connections will help mental math tactics in moving stacks around
01:12:37 Stacy Sammons: Place value and groupings
01:12:37 Daina Dewald: Patterns are kept the same, visual for properties, manipulation of numbers
01:12:37 Sunnie Ledbetter: equal groups
01:12:38 Sandra McMullen: I love the dimensionality aspect for teaching multiplication!
01:12:38 Sheri Tralmer: Patterns are consistent
01:12:38 Kay Mason: Thanks so much for sharing how we can make the intermediate operations more concrete and visual for our students.
01:12:38 Rebekah Hooker: Grouping and visual representations
01:12:38 Terri McCarthy: I love that everything goes back to the basic ten frame used in kindergarten
01:12:38 Bernita Johnson: Students can manipulate and make connections
01:12:38 Audrey Campbell: great visual representation and building on beginning concepts of tens
01:12:39 Dina Campbell: equal groups
01:12:39 Sonya Johnson: groupings
01:12:39 Amy Frisina: groups and place value
01:12:39 penny waddingham: the power of ten
01:12:39 Emily Johnson: it's shown so much easier!
01:12:40 Jennifer Colson: Groupings.
01:12:40 Judith Florczak: good way to visual the properties
01:12:40 Charleta White-Fletcher: multiplying each period by 10
01:12:40 Quianna Watkins: distributive property is seen with decomposing the numbers for multiplication
01:12:40 Deb Strong: representation patterns
01:12:41 Carrie Schade: equal groupings
01:12:41 Roberta Rotolo: nice and organized
01:12:41 Joyce Dunning: grouping is consistent
01:12:41 Sarah Morris: I love the visuals - repeated groupings, equal groups.
01:12:41 Perla Arellano: Patterns
01:12:41 Tim Bobay: place value
01:12:41 Rebecca Cross: How a 9 fact connects to a 10 fact.

01:12:41 Milagros Carbonera: repeated addition

01:12:41 Maria de los Llanos Hortelano Garcia: Visual makes it much easier, kids will know when they need to ungroup easily

01:12:41 catherine fox: so much clearer...the base 10 and the properties become so much clearer

01:12:42 Delise May: relationships among digit values

01:12:42 Christine Mulgrave: very visual

01:12:42 Dana Ford: love how the multiplication shows equal groups - i'm wondering if this will get confusing when teaching arrays

01:12:43 Teresa Reddish: This seems an easier way to help them make connections and understand place value w/multiplication

01:12:43 Abby English: Repeated addition

01:12:43 Susan Forbes: Stacking or nesting

01:12:44 Tamara Dixon: consistency

01:12:44 Dornisha Shead: I can see how students can group and understanding distributive property

01:12:44 Perla Arellano: Visual

01:12:44 Gricelda Monroy: place value, models similar

01:12:45 Bethany Flores: Loved this!! Thank you! Can't wait to use these strategies:)

01:12:45 Carolyn Craig: consistency

01:12:46 Rose Walton: Grouping

01:12:46 Mary Vogt: A three dimensional array

01:12:46 Inger Murphy: all groups are same. repeated addition

01:12:46 Jocelyn Gabrino: multiplication forms two dimensional figures

01:12:47 Tamikia Greene: representing the numbers from grouping to stacking for multiplication (use of manipulatives)

01:12:47 Thy Dinh: distributive property is visual

01:12:47 Ute Moore: ability to see the value

01:12:47 Sandra MacDonald: sense making

01:12:47 Deirdre Murphy: Can check their ideas

01:12:48 Jessica Whitney: place value, grouping, amazing way to teach

01:12:49 Abby English: Routine

01:12:49 Bonnie Angel: so easy to help students understand what multiplication is

01:12:49 Beth Seyler: go 5 across and then any extra

01:12:49 Jennifer Hall: love the visualization of the groupings

01:12:49 Mary Grove-Stover: breaking into familiar parts

01:12:49 Teresa Reddish: The relationships

01:12:49 Heather Smith: representing repeated patterns to visualize

01:12:49 Megan Day: place value, good representations,

01:12:50 Robin Harbour: It helps students to understand how these concepts work.

01:12:50 Laronda Raines-Langham: Helps build deeper understanding

01:12:50 Andrea Green: always brings it back to 10

01:12:50 Christie Wuebbles: Repeating addition is multiplication

01:12:51 Tina Black: visual for decomposing

01:12:51 Pamela Jones: connections

01:12:52 Abby English: routine

01:12:52 Nancy Alaniz: You using group of 10 format as a structure for

different operations and place value

01:12:53 Marquita Morris: decomposing of numbers
01:12:53 Perla Arellano: Visualization
01:12:53 Vicki Denney: kids are visual...this is a great way to show and
not tell
01:12:54 Leslie Texas: Relationships between the operations
01:12:55 Milagros Carbonera: concrete visual
01:12:56 Martisha Dunn: it will be easier for students to read larger
numbers
01:12:56 Michelle Green: connection from repeated addition to multiplication
01:12:56 Patti Luxton-Moore: patterned groupings
01:12:56 Kate Peters: concrete representation of the distributive property
01:12:56 Julie Vanderlugt: When you add and multiply you are using the
same symbols. You are moving from simple addition to repeated addition.
01:12:57 Emily Johnson: hands on building
01:12:57 Kathryn Mead: distributive property
01:12:57 Deborah King: Still making tens
01:12:57 Inger Murphy: visual
01:12:57 Suzanne Lawrence: It is easy to see pattern/grouping in
multiplication
01:12:57 Marna Lampe: I've used ten frames for making tens with first
grade and similar drawings for Gr 2 with adding, but not superimposed on the ten
frame model. I like the connection.
01:12:57 Sharon Black-MacKinnon: place value groups of one tens hundreds
being consistent
01:12:58 Sharon Snyder: The importance of recognizing patterns throughout
the grades
01:12:59 Mindy Wynne: decomposing
01:12:59 Stephanie Izzard: Easier way to use friendly numbers
01:13:00 Sunnie Ledbetter: Differentiat
01:13:00 Luzviminda Bayarong: fluency
01:13:00 Sarah Dickie: the structure supports understanding the
distributive property
01:13:00 Susan Faulkner: understanding the structure
01:13:00 Megan Day: great for visual learners
01:13:01 John Sasko: I like the idea of NEW DIMENSION for multiplication,
like with the open array, area model for multiplication
01:13:01 Kim Arthur: multiple modality learning
01:13:02 Lynn Sykes: hands on
01:13:02 Justin Heid: Deepen their understanding
01:13:02 Marie Hannon: representation and repeat. visual
01:13:03 Missy Silva: familiarity = no fear
01:13:03 Judith Florczak: manipulatives are always more interesting
01:13:04 Mark Fili: Visual 3-dimensional arrays
01:13:04 Mindy Wynne: fluency
01:13:04 Cindy Bryant: Love the ease in using them to help develop
conceptual understanding.
01:13:04 Christie Wuebbles: distributing
01:13:05 Liz Walton: I love the way to show partial products
01:13:06 Joyce Dunning: Very tactile

01:13:08 Rebecca Cross: Visual grouping for concept of multiplication
01:13:08 Sandra MacDonald: visual representations
01:13:08 Ron Perry: Visuals of making ten at each place value, genius!
01:13:09 Jennifer Oneill: patterns are easy. great explanation
01:13:10 Abby English: Commutative property
01:13:10 Nicolette Nalu: composing and decomposing and pushing on many
properties of operations
01:13:10 Linda Dalley: times 10 place value conceptual understanding
01:13:11 Aisha Gaisi: building towards the properties
01:13:12 Kristin Mertens: Relationship between operations and easy to
transfer skills
01:13:12 Stephanie Branson: Great way to visualize multiplication
01:13:13 Melanie Meloche: love the visual for distributive property.
01:13:13 Natalie Troadec: repeated addition, patterns
01:13:14 Christi Mitman: Really shows mental math strategies visually
01:13:14 Andrea Walter: This is a amazing.the commutative property.
01:13:15 JENIEVE DeBonis: visual
01:13:16 Fowler Margo: Vertical articulation--all ages use same patterns
01:13:16 Judy Getwe: from Judy Gerwe Cin, OH routine, distributive prop
01:13:16 Nonye Obiora: Repeated addition and consistency
01:13:16 Kathryn Mead: so concrete
01:13:17 Camille Greene: Thank you so much! I love how primary strategies
connects with the properties and with large intermediate numbers
01:13:17 Nely Ara-is: visual representation of regrouping
01:13:19 Nancy Alaniz: It also builds automaticity in how organize numbers
01:13:19 Janet Jimenez: Great visual for students
01:13:20 Sophia Vitilio: consistency!!!
01:13:20 Angela Hines: Multiplication comparisons
01:13:20 Patricia Gray: easy for visual learners
01:13:21 Laura Holloway: Distributive property is helpful for larger
multiplication problems.
01:13:23 Kelli Sullivan: its so easy for the brain to see
01:13:23 Jackie Dargon: Understanding when you use a friendly number like 10
for a nines fact, students can see you are removing one group of ____
01:13:23 Mindy Wynne: concrete
01:13:25 Natasha Young: Regrouping made easy
01:13:26 Martisha Dunn: strategies are fun
01:13:28 Ellen Ervin: connecting with work in K and 1
01:13:29 Sunnie Ledbetter: Tactile
01:13:33 Megan Day: I love that it builds on what the students learned
in younger grades
01:13:34 Branch Pronk: great visual representation
01:13:35 Sarah Dickie: an interesting way to visualize the base-10 system
01:13:36 Stacy Milas: concrete
01:13:37 Milagros Carbonera: This is really great! thank you
01:13:38 Brianna Cummings: growing previous knowledge to expand
understanding of place value
01:13:40 Maureen Mulvey: Thanks for a different approach!
01:13:41 Emily Johnson: My kids that I work with would love this! So
tactile!

01:13:44 Ramona Hall: definitely
01:13:45 Dana Ford: love how the multiplication shows equal groups - i'm wondering if this will get confusing when teaching arrays
01:13:45 Susan Faulkner: great connection to dot images in K
01:13:46 Natalie Troadec: This was great, thank you
01:13:47 Sara Sweningsen: thank you so much
01:13:48 Kim Arthur: So simple yet so complex
01:13:50 Sandra MacDonald: builds on early concepts and links back to what they already know
01:13:50 Ana Guerrero: Yes, thanks.
01:13:54 Lisamarie O'Sullivan: Thank you!
01:13:56 Tina Mitchell: Excited to share this with my preservice teachers!
01:13:57 Mary Grove-Stover: excited to share with other teachers
01:13:59 Elaine Boyer: Thank you so much! I love to connect to the representation that the students already have used.
01:14:03 Deanna Sanders: I love how this can be easily used w my DL learners as well.
01:14:04 Denise Parker: excellent way to display add/subtracting with regrouping
01:14:10 Wendy Dyal: I can't wait to share with my team!
01:14:11 Vicki Denney: its a whole new way to think about numbers and how they work
01:14:20 Dave Hankin: that's why I'm here - 6th grade.
01:14:32 Heather Smith: great pd, I use these models for drawing, but the stacking frames were so helpful visually, would love them for the kids who see it in base tens only, so less helpful not as flexible.
01:14:36 Judy Getwe: From Judy Gerwe is this working
01:14:37 Emily Graff: K-5 title 1 Math
01:14:38 Kathryn Mead: nice consistency throughout all the learning, using the ten frames
01:14:40 Lyn Pizzano: Thank you so much! Learned so much and a new way to teach math to my first graders.
01:14:41 Meaghan McIntyre: Very helpful! Great presentation!
01:14:59 Melissa Forde: Thank you
01:15:01 Heidi Hague: This is the part that blows my mind when making drawings....
01:15:04 Stephanie Izzard: What did the 10s represent?
01:15:13 Alison Pepero: This was awesome! Thank you!
01:15:37 Cathy Hutchins: The decimal
01:15:37 Barbara Knox: symmetry - ones is the center
01:15:38 Quianna Watkins: ones place
01:15:39 Pamela Jones: wholw
01:15:41 Cathy Hutchins: The ones place.
01:15:42 Judith Florczak: ones place
01:15:44 Heather Smith: at ones
01:15:59 Christie Wuebbles: yes
01:16:01 Susan Forbes: Helps to explain why there are on onths
01:16:05 Kelli Sullivan: Are these manipulatives easily washable? I can't tell what they are made of.
01:16:07 Robin Harbour: This seems that it might be confusing, as the tenths

place is the first place behind the decimal place, and then the hundredths place is next. Hmm...

01:16:09 Deirdre Murphy: My students notice that ones is missing but as you were stating you can show it's still there

01:16:18 Kathryn Mead: The decimals make me miss teaching 5th grade, I teach K-2 Math Intervention now

01:16:19 Kristin Johnston: yes!

01:16:21 Emily Graff: nice connection to the quote you began this with

01:16:23 Christine Mulgrave: well said!

01:16:24 Laronda Raines-Langham: Awesome visual!

01:16:25 Judith Florczak: never thought of that before....8th grade can add that to symmetry lesson

01:16:30 Sandra MacDonald: fascinating!

01:16:30 JENIEVE DeBonis: Thank you so much!!

01:16:37 Judy Getwe: never thought about point of symmetry

01:16:43 Pam Cadena: Thank you!

01:16:47 Elaine Boyer: Thank you sooooo much!

01:16:51 LA VERNE MITCHELL: Thanks!!

01:16:52 Nely Ara-is: Wow! I never really thought of ones place value as point of symmetry! Makes sense!

01:16:53 Anna Surratt: Thank you so much for this presentation. So much good information!

01:16:54 Mark Phipps: Feels like Exploding Dots

01:16:55 Kim Arthur: This is so amazing!

01:16:59 Ute Moore: never thought of the ones as being the line of symmetry in a decimal number

01:17:01 Trena Wilkerson: Thank you Kimberly! Great session!

01:17:03 Natalie Fawthrop-Pooler: Thank you so much!!!

01:17:04 Maria de los Llanos Hortelano Garcia: I loved it, thank you so much!

01:17:05 Vicki Denney: now I know what I'm going to ask for with my Grant money....

01:17:07 Susan Faulkner: Can't wait to share this with my colleagues! Thank you so much!

01:17:09 Annette Gushue: this been fantastic

01:17:10 Kristin Johnston: I can now take strategies I've already been doing and expand with my students. Thank you.

01:17:12 Mary Vogt: Thank you. This has been so amazing!!

01:17:14 Linda Wojton: Thank you so much!

01:17:16 Sabrina Nikaghanri: great, thanks

01:17:17 Kimberly Jones: Thank you so much!

01:17:18 Camille Brown: This was great!

01:17:21 Stephanie Banks: Thank you!

01:17:22 Inger Murphy: This was great!! Thank you sooooo much!!

01:17:23 Fran Huntoon: Thanks

01:17:23 Rose Walton: Thank you so much!!

01:17:23 Debra Slowik: This is so refreshing to learn something new!!

01:17:24 Teresa Reddish: Thank you this was great!

01:17:24 Dawn Schulte: Thank you so much! I am looking forward to using these activities with my ESL students.

01:17:24 Marie Hannon: Awesome...thank you so much!
01:17:24 Angela Franco: Great work Kimberly! Thank you so much!
01:17:29 Chelsea Hakanson: Thank you!
01:17:29 Janet Jimenez: This session was so interactive and informative.
Thank you so much.
01:17:31 Jackie Dargon: Thank You
01:17:35 Heather Smith: yes
01:17:36 Aisha Gaisi: Thank so much.
01:17:36 Sandra MacDonald: yes
01:17:36 Frances Lang: Great! Thank you!
01:17:36 Ramona Hall: yes
01:17:36 rachel wingo: yes
01:17:36 Chelsea Hakanson: YES!
01:17:36 Kathryn Mead: Yes
01:17:37 Christie Wuebbles: yes
01:17:37 Sandra Rasmussen: Love the 10 frames for larger numbers, will
be using this in the fall.
01:17:37 Carol Matsumoto: Great listening to you again Kim. Thank you
Beth and Chonda for supporting Kim.
01:17:37 JENIEVE DeBonis: Yes!
01:17:37 Wendy Dyal: yes
01:17:37 Linda Wojton: YES
01:17:37 Dave Hankin: Yes.
01:17:37 Quianna Watkins: yes
01:17:37 Kim Arthur: I can see the patterns and am sure my students will
too
01:17:37 Susan Faulkner: yes
01:17:37 Milagros Carbonera: Yes
01:17:37 Robin Harbour: YES
01:17:38 Pamela Jones: YES
01:17:38 Marie Hannon: yes
01:17:38 Abby English: YES!
01:17:38 Sophia Vitilio: yes
01:17:38 Diane Anderson: This was awesome!
01:17:38 Victoria J Del Fierro: yes!
01:17:38 Denise Pusateri: YES
01:17:38 Dina Campbell: yes
01:17:38 Roberta Rotolo: Yes
01:17:38 Rachel Anderson: yes
01:17:38 Justin Sheek: yes
01:17:38 Dana Ford: YES
01:17:38 catherine fox: yyes!
01:17:38 Marna Lampe: yes
01:17:39 Kim Arthur: Yes
01:17:39 Cathy Hutchins: YES
01:17:39 Deanna Sanders: yessss
01:17:39 Tracey Till: Yes!
01:17:39 Joyce Dunning: yes
01:17:39 Cassandra Satterfield: yes
01:17:39 Kelli Sullivan: yes

01:17:39 Ellery Armes: Yes!!
01:17:39 Judith Florczak: I love that...yes
01:17:39 Kayla Verpoorten: Yes
01:17:39 Lori Mcdevitt: yes
01:17:39 Beth Seyler: yes
01:17:39 Maureen Mulvey: yes
01:17:39 Sabrina Nikaghanri: yes
01:17:39 Dawn Schulte: yes
01:17:39 Maria de los Llanos Hortelano Garcia: Yesssss
01:17:39 Natalie Fawthrop-Pooler: Yes
01:17:40 Leah Watson-Rodgers: So useful! I knew how to use 10 frames in
primary grades. Thank you for adding to my knowledge.
01:17:40 Diane Anderson: yes
01:17:40 Kimberly Jones: yes
01:17:40 Linda Madden: Yes!
01:17:40 Amy Lieberman: yes
01:17:40 Leslie Sorace: Yes
01:17:40 Becky Spears: yes
01:17:40 Tracey Sweeney: Yes
01:17:40 Stephanie Izzard: YES
01:17:40 Tina Mitchell: Yes!
01:17:40 Perla Arellano: Yes
01:17:40 Deborah King: yes
01:17:40 Melissa Campbell: yes
01:17:40 KEISHA SMITH: Thank you!
01:17:40 Kelley Manning: YES!!!
01:17:40 Pam Cadena: Absolutely!
01:17:40 Camille Nemanic: Yes!
01:17:40 Suzanne Lawrence: yes
01:17:40 Lorelei Phillips: yes
01:17:40 Jennifer Hall: yes
01:17:40 Terri McCarthy: Great hands on materials for the kids to use
especially the struggling kid
01:17:40 Sharon Snyder: YES
01:17:40 Mark Fortier: yes
01:17:40 Camille Brown: yes
01:17:41 Jackie Dargon: Yes
01:17:41 Bernita Johnson: yes
01:17:41 Damaa Bell: yes
01:17:41 Kendra Edwards: Yes
01:17:41 Daniel Irving: Yes!
01:17:41 Becky Mann: YES
01:17:41 Rebekah Hooker: Yes!
01:17:41 Stacy Sammons: yes
01:17:41 Sandi Cooper: yes
01:17:41 Monica Ramey: yes!!
01:17:41 Barbara Knox: yes
01:17:41 Maggie Pfuntner: yes!
01:17:41 Rebecca Cross: yes
01:17:41 Nely Ara-is: yes!

01:17:41 Kim Henry: yes
01:17:41 Liz Walton: yes
01:17:41 Maranda Jones: yes!
01:17:41 Stephanie Rish: yes
01:17:42 Kathryn Gray: yes
01:17:42 Danielle Krueger: YES
01:17:42 Dornisha Shead: yes
01:17:42 Ashley Brehl: yes
01:17:42 Myra Collins: YES
01:17:42 Kay Cox: yes
01:17:42 Laronda Raines-Langham: Yes
01:17:42 Julie Vanderlugt: yes
01:17:42 Annette Gushue: yes
01:17:42 Christi Mitman: YES!
01:17:42 Anna Surratt: yes
01:17:42 Judith Ripke: YES
01:17:42 Lyn Pizzano: YES!!!
01:17:42 Marquita Morris: YES!
01:17:42 Sheri Tralmer: yes
01:17:42 Teresa Reddish: Yes
01:17:42 Megan Day: yes
01:17:42 Lidia Pimentel: yes
01:17:42 Audrey Campbell: yes
01:17:42 Sharon Black-MacKinnon: yes
01:17:42 Mari Prior: yes
01:17:42 Sunnie Ledbetter: YES!!!!!!!!!!
01:17:42 Daina Dewald: YES!
01:17:43 Courtney Mosher: yes!
01:17:43 Emily Johnson: yes!
01:17:43 Martisha Dunn: yes
01:17:43 Natalie Troadec: yes
01:17:43 Leah Watson-Rodgers: YES!!!
01:17:43 Joanne Blake: Yes
01:17:43 Christy Woody: yes
01:17:43 C Robertson: yes
01:17:43 Laurie Beavers: YES
01:17:43 Kelly Kuster: yes
01:17:43 Doreen: yes!!!
01:17:43 Rebecca Gonzalez-Kreisberg: Yes!
01:17:43 Allison Miller: YES!!
01:17:44 Kathy Smith: YES!!!
01:17:44 Bethany Flores: YES
01:17:44 Luzviminda Bayarong: yes
01:17:44 Leslie Texas: Yes
01:17:44 Kathryn Darling: YES
01:17:44 Cindy Kim: yes
01:17:44 Jocelyn Gabrinao: yes
01:17:44 Lynn Lafferty: yes
01:17:44 Laura Holloway: Yes!
01:17:44 Leona Maas Bekkers: Yes!

01:17:44 Perla Arellano: yes
01:17:44 Elaine Winslow: yes
01:17:45 Sara Lane: yes
01:17:45 Amy Lieberman: Thank you!
01:17:45 Angela Hines: Thank you, I enjoyed your presentation! Yes!
01:17:45 Tracy Coleman: Yes!
01:17:45 Mary Grove-Stover: yes....great
01:17:45 Noe Eugenio: YES!!!!
01:17:46 Maire Roy: YES!!!
01:17:46 Kay Mason: Yes
01:17:46 Ana Guerrero: Yes!
01:17:46 Jessica Whitney: yes
01:17:46 Delia Joseph: Yes! I agree!
01:17:46 Aisha Gaisi: I completely agree
01:17:46 Sarah Morris: yes
01:17:46 Kristin Mertens: yes Thank you
01:17:46 Mary Vogt: YEs!!!!
01:17:46 Cindy Bryant: YES
01:17:46 Sandra McMullen: Yes
01:17:46 April Sterbin: Yes!! Thank you!
01:17:46 Deanna Rigdon: awesome
01:17:46 Leticia Chapa: YES
01:17:46 Sandra Rasmussen: Yes!
01:17:47 penny waddingham: yes - thank you
01:17:47 Linda Dalley: YES
01:17:47 ANALINE BAUTISTA: Thank you so much for this. I hope these
materials are readily available in our country
01:17:47 Ellen Ervin: yes
01:17:47 Janet Jimenez: YES!!!!
01:17:47 Julie Vanderlugt: yes
01:17:47 Melissa Miller: yes
01:17:47 Thy Dinh: yes
01:17:47 Terri McCarthy: yes
01:17:47 Emily Graff: YES'!!!!!!!!!!!!!!!!!!!!!!!!!!!!
01:17:48 Vicki Denney: YES

01:17:48 Jennifer Oneill: yes
01:17:48 Maire Roy: This is great!!
01:17:48 Denise Walston: yes
01:17:48 Patti Gawronski: yes!
01:17:49 Leslie Sorace: Yes!
01:17:49 Alley Evans: yes
01:17:49 Tonya Jones: yes
01:17:49 Jenny Currie: YES!
01:17:49 Natasha Zimmerman: yes
01:17:50 Sonya Johnson: yes
01:17:50 LA VERNE MITCHELL: yes
01:17:50 Sara Sweningsen: YES!
01:17:50 Dave Elbourne: yes
01:17:50 Crystal Maginnis: yes

01:17:50 Jennifer Colson: YES!
01:17:50 Ron Perry: YES<YES<YES
01:17:50 Andrea Green: yes
01:17:50 Amy Garwell: YES!
01:17:51 Sukie Hernandez: yes
01:17:51 Missy Silva: yes
01:17:51 Tracey Sweeney: YES!
01:17:51 Karla Dangerfield: Yes!
01:17:51 Inger Murphy: yes!
01:17:51 Camille Greene: absobtely
01:17:51 Laura Goss: yes
01:17:51 Mary Hamilton: yes
01:17:52 Julie Katingima: YES!!!
01:17:52 Milagros Carbonera: yes!
01:17:52 Gricelda Monroy: Yes, thank you!
01:17:52 Stacy Milas: Yes!
01:17:53 Rose Walton: Yes
01:17:54 Nicole McCarthy: yes
01:17:54 Sharon Stoeckel: yes
01:17:55 Judy Getwe: judy Gerwe yes
01:17:55 Sandra MacDonald: Great connections!!!
01:17:56 Patti Luxton-Moore: 👍
01:17:57 Mark Fili: yesssss
01:17:58 Carolyn Craig: yes
01:17:58 Kathryn Mead: I like your motto
01:17:58 Karen Baker: Yes! Thanks for a great session:)
01:17:59 Lorie Huff: yes
01:18:00 Diane Anderson: This was awesome! Thank you !
01:18:00 Kate Galbreath: yes
01:18:01 Camille Nemanic: I love your saying, "What happens in the
ones place happens in all places."
01:18:01 Ute Moore: yes
01:18:01 Nonye Obiora: Yes and thank you
01:18:02 Crystal buegeler: YES
01:18:02 Elaine Winslow: thank you!
01:18:02 suzanne pike: Thank You!
01:18:02 Katherine Dominick: yes!
01:18:03 Justin Heid: Where did you learn about using this tool beyond
primary level?
01:18:04 Becky Spears: Thank you
01:18:04 Sara Lane: This was a amazing!!
01:18:06 Susan Bardenhagen: YES1!!!!!!!!!!!!!!
01:18:07 Jessica Barrier: yes
01:18:09 Kelly Kuster: thank you so much for sharing your expertise!
01:18:09 Angela Cooper: I love the strategy to add with ten frames
01:18:10 Andrea Sinks: yes
01:18:11 Crystal buegeler: THANK YOU
01:18:12 Jessica Barrier: Thank you!!
01:18:13 Victoria Capozzalo: Thank you for this session!
01:18:14 Laronda Raines-Langham: Thank you so much! This was phenomenal!

01:18:15 Nadia Messadi: Thank you!
01:18:15 Emily Graff: 👍
01:18:16 Milagros Carbonera: Thank you
01:18:16 Monica Parraga: yes
01:18:17 Nancy Alaniz: yes...I know can see the importance about the ones
place....
01:18:17 Cindy Kim: Thank you!
01:18:17 Kendra Edwards: Thank you
01:18:17 Leslie Texas: Thank you. Very informative!
01:18:18 Denise Walston: awesome
01:18:19 Delia Joseph: Thank you so much!
01:18:20 Sandra MacDonald: it has been awesome!!!
01:18:20 Jet Yeung: Thank you so much for all the information.
01:18:21 Kathryn Mead: gracias
01:18:23 Nyla Moore-McCreary: Thank you!!!!
01:18:24 Sheri Tralmer: Thank you!
01:18:24 Doreen: this was really valuable
01:18:25 Wendy Dyal: Thank you1
01:18:25 Lori Matherly: yes
01:18:26 Ramona Hall: Awesome Kimberly! Thank you!
01:18:26 Nora Ramirez: Thank you - great job!
01:18:27 Jennifer Keene: Thank you!
01:18:27 Ana Guerrero: Thank you so much! I really enjoyed this
presentation. I like the fact that you made it interactive.
01:18:27 Skip Fennell: thank you very much...
01:18:28 Rebecca Cross: This was really great! Thank you:)
01:18:28 Sandra Rasmussen: Thank you!
01:18:29 Pamela Jones: Thank you
01:18:30 Victoria Klinakis: thank you,,awesome
01:18:30 Terri McCarthy: Awesome presentation
01:18:32 Janice Novakowski: Thank you Kim. Such a positive, adaptable
and flexible presenter!
01:18:33 Camille Nemanic: Thank you, KImberly.
01:18:34 Monica Parraga: thank you
01:18:37 Ramona Hall: several
01:18:37 Tina Black: yes
01:18:37 Ellen Ervin: yes
01:18:37 Joanne Blake: Yes
01:18:38 Jennifer Keene: yes
01:18:38 Ana Guerrero: Several ideas
01:18:38 Tina Sanders: definately
01:18:38 Stephanie Izzard: YES
01:18:38 Kimberly Jones: yes
01:18:39 Doreen: absolutely!!
01:18:39 Bernita Johnson: Yes
01:18:40 Jessica Barrier: Yes
01:18:40 Annette Gushue: Yes so many take away
01:18:41 Kelley Manning: This was great thanks!
01:18:42 Dornisha Shead: Yes, add with ten frame
01:18:42 Emily Johnson: ABSOLUTELY!

01:18:43 Karen Reodica: thank you! this was awesome.
 01:18:43 Natalie Fawthrop-Pooler: Definitely
 01:18:43 Wendy Dyal: Absolutely
 01:18:43 Maria de los Llanos Hortelano Garcia: I found several indeed
 01:18:46 Denise Pusateri: I will share with my teachers tomorrow!
 Thank you!
 01:18:46 Debra Robinson: yes
 01:18:47 Justin Sheek: Yes I did!
 01:18:47 Betsy Long: Distributive property
 01:18:47 Abby English: Multi-digit addition and subtraction
 01:18:48 Deirdre Murphy: Yes I did. Using circles for hundreds
 01:18:48 Becky Spears: Work on adding with my students
 01:18:49 Sophia Vitilio: Yes! I have already shared this session with my
 principal and math coach!!!
 01:18:49 Cassandra Satterfield: Yes! Multiply with ten frames
 01:18:49 Sara Lane: Using it with multiplication
 01:18:50 Justin Heid: Multiplication with a tens frame
 01:18:50 Pamela Jones: multiplication with the ten frame
 01:18:50 Daina Dewald: I found several ideas! I can't wait to model
 multiplication.
 01:18:50 Joanne Blake: Sketching the 10 frame
 01:18:51 Stacy Timmins: use ten frames to multiply
 01:18:51 Melissa Campbell: Yes: ten frames for multiplication
 01:18:51 Rebecca Gonzalez-Kreisberg: Ten frames with decimals!
 01:18:52 Christie Wuebbles: Line of symmetry
 01:18:52 Rebecca Cross: Multiplication with a ten frame
 01:18:52 Elaine Winslow: 1 digit x 2 digit
 01:18:53 Lorelei Phillips: adding with the frames
 01:18:53 Jackie Dargon: Yes, ten frame to multiply
 01:18:53 Tina Sanders: multiplication
 01:18:53 April Sterbin: The pictorial representation
 01:18:54 catherine fox: sketching the ten frames! Awesome!
 01:18:54 Meghan Daniel: yes, multiplication I loved!
 01:18:54 Nancy Farrin: yes, using for multiplication
 01:18:55 Kristin Johnston: Using the symbols for larger number and
 decimals
 01:18:55 Tracey Till: Yes, representing numbers in expanded form.
 01:18:55 Sandra MacDonald: absolutely - making connections with larger
 numbers in ten frames
 01:18:55 Kathryn Darling: adding using ten frames
 01:18:55 Eric Stauth: Yes, multiplication using ten frames
 01:18:56 rachel wingo: using the frames with dots, lines, and circles
 01:18:56 Sophia Vitilio: I want to try addition and subtraction
 01:18:57 Victoria J Del Fierro: Yes definitely. Usinf the ten frames to add
 and represent numbers
 01:18:57 Bridget Antos: Decimal ideas!
 01:18:57 Sukie Hernandez: Addition with my kinders
 01:18:57 Lisamarie O'Sullivan: yes!
 01:18:57 Inger Murphy: 3 digit addition
 01:18:57 Pam Cadena: 10 frames from concrete to the number sketching

01:18:57 Ellen Ervin: distributive property

01:18:58 Ramona Hall: a new way to represent hundreds tens and ones

01:18:58 Sharon Black-MacKinnon: Thank you so much! Very grateful to be able to use the division with my students :_0

01:18:58 Kay Cox: Double digit addition

01:18:58 Sunnie Ledbetter: OMG YES!! Addition using the tens frames and multiplying with it

01:18:58 Thy Dinh: multiplication with 10 frames

01:18:58 Jessica Barrier: Addition

01:18:58 JENIEVE DeBonis: Yes, I would use this for decimals and representing

01:18:58 Doreen: using the same symbols

01:18:58 Stephanie Rish: the number sketching

01:18:59 Linda Wojton: multiplication

01:18:59 Maire Roy: for regrouping with addition and subtraction....

01:18:59 Abby English: Hands-on activities to work towards IEP goals

01:18:59 Vicki Denney: addition

01:18:59 Nicole McCarthy: Yes the multiplication with a two digit times one digit - show them how decomposing works visually

01:18:59 Joyce Dunning: I found how this can really help students understand place value.

01:18:59 Dana Ford: multiplication - distributive with ten frames

01:18:59 Marie Hannon: multiplication and number sketching

01:18:59 Justin Heid: Line of symmetry

01:19:00 Maureen Mulvey: Yes, 3 ideas (periods, commas and symmetry in math)

01:19:00 Sandi Cooper: sketching the process of addition with the tens frames

01:19:00 Linda Madden: Place Value visualization in tens frame

01:19:00 Diane Anderson: Ten frames

01:19:00 Elaine Boyer: Connect 2 digit addition to one digit using ten frame

01:19:00 Christy Woody: number sketching

01:19:01 Emily Johnson: I had never used number sketching before!

01:19:01 Jessica Whitney: yes love the ten frame

01:19:01 Perla Arellano: Adding with 10 frames

01:19:01 Patti Luxton-Moore: patterns & magnitude

01:19:01 Marna Lampe: Yes using the three cells for three-digit numbers to organize number sketching

01:19:01 Ana Guerrero: everything

01:19:01 Nancy Alaniz: Definitely....the repetition of h, t, o through sketching....multiplication

01:19:01 Monica Ramey: For sure. I will show them how to add two digit numbers with this structure of 10 frame sketching.

01:19:02 Sophia Vitilio: and multiplication

01:19:02 Jennifer Oneill: Thank you and I will take the "period" sketching back

01:19:02 Janet Jimenez: Absolutely. Adding and Subtracting larger numbers with my second graders.

01:19:02 Audrey Campbell: Yes use ten Frame with mutliplication

01:19:02 Melissa Miller: place value sketching

01:19:02 Maggie Pfuntner: Excited to try addition models with my 5th graders!

01:19:02 Marie Clarke: number sketching

01:19:03 Mary Vogt: Yes. Representing numbers to the millions place - place value sketching

01:19:03 Kelli Sullivan: multiplication

01:19:03 Anjana Tihaiya: using ten frames to do the place value

01:19:03 Andrea Green: This is the best webinar I have seen in a while. I want to try these tools with my students

01:19:04 Maranda Jones: number sketching

01:19:04 Dawn Schulte: Teaching ESL students how to read large numbers.

01:19:04 Ashley Brehl: new ways to add with sketching

01:19:04 Sharon Snyder: Using 10 frames for math talk

01:19:04 Rebekah Hooker: Ten frames with multiplication

01:19:04 Sara Sweningsen: nearly everything

01:19:04 Lori Mcdevitt: yes, I did. I will use the place value sketching

01:19:05 Carolyn Craig: Can't wait to start with 10 frames using the sketching.

01:19:05 Allison Miller: Using ten frame sketching to read numbers to the millions period.

01:19:05 suzanne pike: Multiplicative ideas with 10 frames :)

01:19:05 Bernita Johnson: I will try the place value sketching

01:19:05 Mary Grove-Stover: I learned more than one....but love the regroup in addition.

01:19:06 Nicolette Nalu: Absolutely! Power of PV in concrete examples!!

01:19:06 Barbara Knox: place value sketching

01:19:06 Kim Arthur: I found MORE than ONE idea - operations with the 10 frame

01:19:06 Christine Mulgrave: consistency with sketching

01:19:06 Tracey Sweeney: Using the 3 different sets to make a 9 digit number

01:19:06 Emily Graff: yes if my district buys them for title 1 funds the transparent feature

01:19:07 Kristin Mertens: visual addition along with making ten

01:19:07 Judith Florczak: yes, using the ones place as point of symmetry

01:19:07 Kathryn Mead: Absoutely! Place value sketching with my 2nd graders

01:19:07 Lisamarie O'Sullivan: yes!

01:19:07 Crystal Maginnis: multi digit addition

01:19:07 Betsy Long: recognizing nesting

01:19:07 Leah Watson-Rodgers: Yes. I will do the place value sketching!

01:19:07 Christi Mitman: place value sketching for large numbers and how they repeat

01:19:08 Colleen Feller: yes -- showing multiplications as layered stacks

01:19:08 Kayla Verpoorten: Yes!! double and triple digit addition

01:19:08 Cherie Gervais: Yes, I am going to teach my second graders the symbols used for the sketching

01:19:08 Angela Franco: cant wait to explore using ten frame structure to multiply decimals!

01:19:09 Jocelyn Gabrinao: distributive property

01:19:09 Milagros Carbonera: the ten frame

01:19:09 Crystal buegeler: I loved the number sketching

01:19:09 Mary Hamilton: addition with number sketching

01:19:10 Amy Lieberman: yes, I am going to introduce this to some of my second graders to help with organizing the tens when we start working with 2 digit numbers

01:19:10 Gricelda Monroy: Oh yes, modeling with these cells, and adding!

01:19:10 Sarah Dickie: Using ten frames to model the distributive property

01:19:10 Robin Harbour: I will use this in my middle school math intervention class... sketching the place values

01:19:10 Denise Parker: Yes, going to use it to assist with add/subtract with regrouping

01:19:10 Roberta Rotolo: Using the ten frame for multiplication...and the fact that we only use three symbols

01:19:10 Christie Wuebbles: Distributive property

01:19:10 Denise Pusateri: Multiply place value sketches

01:19:10 Anna Surratt: place value sketching, learning to regroup

01:19:11 Mark Phipps: Sketching the multiplication operation

01:19:11 Nyla Moore-McCreary: YES! the place value sketching; especially vitually

01:19:11 Melanie Meloche: using 10 frames to model multiplication was new to me! Looking forward to trying that with kids!

01:19:11 Tina Mitchell: Using ten frame for representing properties

01:19:12 Delia Joseph: Use ten frames with decimal fractions

01:19:12 JENIEVE DeBonis: Place value would also be benefical

01:19:12 Sarah Morris: Absolutely - love the ideas and how they build on each other. I can't wait to share this with teachers.

01:19:12 Lynn Lafferty: more uses for ten frames

01:19:12 Rachel Anderson: I will be using this when teaching the box method of multiplication for 2 digit by 1 digit. This visual will really help them to understand the process

01:19:12 Bethany Flores: Absolutely! Three digit addition is important in third grade!

01:19:13 ANALINE BAUTISTA: operations

01:19:13 Karla Dangerfield: Recognizing the teen numbers

01:19:13 Patti Gawronski: sketching large numbers with ten frames

01:19:13 Ron Perry: Place value sketching

01:19:13 Jennifer Hall: place value sketching

01:19:13 Sabrina Nikaghanri: number sketching

01:19:13 Deanna Sanders: Absolutely!! I will be teaching symmetry with decimals, I will also be teaching number sketching in the ten frame

01:19:13 Nadia Messadi: three digit addition

01:19:14 Leticia Chapa: Place value sketching

01:19:14 Stacy Milas: place frame sketching

01:19:14 Victoria Klinakis: number sketching

01:19:14 Lidia Pimentel: I would start with the number sketching

01:19:15 Julie Katingima: use sketches with place value

01:19:15 Sara Sweningsen: esp number sketching

01:19:15 Dina Campbell: Having 3-5 graders representing larger numbers using

ten frames and showing operations with ten frames

01:19:15 Mari Prior: number sketching and place value sketching and the addition sketching

01:19:16 Sara Lane: Using the place value sketch for decimals

01:19:16 Laurie Beavers: Number sketching in Seesaw.

01:19:16 Perla Arellano: The questions that go with adding.

01:19:16 Angela Hines: Yes, number sketches for multiplication comparison

01:19:16 Jennifer Colson: Yes I did. I love the idea of building the different pieces. Like putting the ten frames together to make the hundreds. Number sketching is a good way to visualize

01:19:17 Nora Ramirez: place value checking

01:19:17 Kim Arthur: Place Value

01:19:17 Kathryn Gray: Yes. I would show Kindergarteners how to make 10 while adding

01:19:17 Delise May: using this to help students learn how to read and say whole numbers using periods

01:19:17 Natalie Fawthrop-Pooler: adding with ten frames

01:19:17 Michelle Green: using ten frames to show periods

01:19:17 Sunnie Ledbetter: I can't wait to even practice using division with this!!!!!!!!!!!!!!!!!!!!!!

01:19:17 Julie Vanderlugt: yes, showing my students the patterns with larger numbers using the ten frames, and using multiplication with ten frames.

01:19:17 Sandra MacDonald: multiplication

01:19:18 Dawn Schulte: Stacks for multiplying

01:19:18 Abby English: Helping students with disabilities

01:19:18 Tamikia Greene: showing the number sketching!

01:19:18 Kelly Kuster: yes, adding using the sketches with 3-digit addition

01:19:18 Camille Nemanic: I can't wait to have my older students number sketch with multidigit numbers.

01:19:18 Damaa Bell: The idea of teaching that the 10s do not become tens but they are still ones and should be recognized at 10 one and some more one.

01:19:18 Judith Ripke: Pictorially drawing what is shown in the ten frames

01:19:18 Luzviminda Bayarong: Everything

01:19:19 Aisha Gaisi: Yes, we are doing decimals and this completely helps me figure out how to do this online.. I also realize I can do this next year when I introduce multiplication.

01:19:19 Lyn Pizzano: The place value sketching with my first graders.

01:19:19 Myra Collins: I wish I had had this before I retired from teaching. I still work with teachers and can share it there, but it would be fascinating to do this with students. I had fun with the big numbers.

01:19:19 Joyce Dunning: The ten frame sketching with multiplication

01:19:20 Nyla Moore-McCreary: and using more ten frames

01:19:20 Janet Jimenez: The ideas are endless.

01:19:20 Laura Holloway: The number sketching to add. Place value sketching.

01:19:20 Christi Mitman: All of it!

01:19:20 Lynn Sykes: subtractio

01:19:20 Laronda Raines-Langham: I actually found several, but I will start with the operations!!

01:19:21 Briana Oakes: I love the use of the ten frames to teach

multiplication

01:19:21 Stephanie Branson: number sketches will be so useful!

01:19:21 Nely Ara-is: Operations

01:19:21 Betsy Long: Efficient sketching

01:19:22 Cheryl Berkuta: line of symmetry will help my 5th graders for sure

01:19:22 Sabrina Nikaghanri: multiplication

01:19:22 Thy Dinh: number sketches for large numbers

01:19:22 Terri McCarthy: OMG I found so many...Adding numbers to make tens to add

01:19:22 Leona Maas Bekkers: Using the ten frame to record place value for not just ones

01:19:22 Ana Guerrero: I'm going to try it first with my child

01:19:23 Cathy Hutchins: Sketching place values - seeing the patterns and different periods

01:19:23 Terri McCarthy: .

01:19:24 Kathy Smith: place value sketching

01:19:26 Martisha Dunn: Yes, I found several ideas(use of ten frames,)

01:19:27 Courtney Banks: sketching out the three digit numbers to show regrouping

01:19:27 Sandra MacDonald: now I want to look at division!

01:19:29 Camille Greene: sketching to visualize the properties

01:19:29 Kimberly Emerson: tens frames

01:19:29 Tamikia Greene: consistency of this

01:19:30 Sandra McMullen: I am moving from 2nd to 4th grade and the use of the ten-frame for multiplication and decimals is going to help with the familiarity of repetition.

01:19:30 Amanda Beveridge: 3 digit addition

01:19:31 Ute Moore: decimal visualizing with my 5th graders

01:19:31 Karen Baker: multiplication sketches to show the properties:)

01:19:32 Sara Sweningsen: mind blowingly awesome

01:19:32 Diane MacBride: Visualizing operations

01:19:32 Sara Lane: Share this with my administration

01:19:33 Carrie Schade: anchoring their ten-frame knowledge to build multiplication conceptual understanding

01:19:33 Denise Parker: yes, going to use with multiplication arrays

01:19:33 Mindy Wynne: sketching

01:19:34 Becky Mann: Place value and number sketching - I teach 5th grade, and this gives me such a great resource to use with my kiddos that need to continue to work on these concepts

01:19:34 Sheri Tralmer: Number sketching to give visuals of place value

01:19:35 Milagros Carbonera: love everything!

01:19:35 Allison Miller: present at WVCTM next year

01:19:36 Delia Joseph: Looking forward to sharing

01:19:36 Judith Florczak: use stacking for decomposing for distributive property

01:19:36 Denise Walston: the sketching; transitioning from concrete to representational to abstract to language

01:19:37 Quianna Watkins: I found several and I normally don't when I attend webinars. Multiplication and decimals using a tens frame were the highlight for me.

01:19:37 Tracy Coleman: Using the tens frames to help with 3 digit problems, especially when I have to go back to pictorial model as numbers get bigger.

01:19:38 John Sasko: I am concerned that it might be dependent on those concrete pieces that I can't reasonably purchase...

01:19:38 Emily Graff: transferring the knowledge of basic 10 frame to bigger multi digit numbers

01:19:39 Lynn Sykes: subtraction

01:19:39 Camille Brown: Share with specialist

01:19:39 C Robertson: I need more practice

01:19:40 Debra Slowik: take away: representing larger numbers with the continuous sketching. Will share!

01:19:40 Maire Roy: already emailed my coteacher!

01:19:41 Christine Rudakewycz: I can't wait to order this new set of group able manipulatives! This will be really great with my students!

01:19:43 Cindy Bryant: ALL FANTASTIC!

01:19:44 Monica Parraga: number sketching

01:19:44 Susan Faulkner: visualization and properties

01:19:46 Ellery Armes: Yes - I teach kindergarten so we use 10 frames a lot, but I think it would be great when we count the days of school! We've been doing tallies, but it's hard for them to understand. This will be much easier for them to understand.

01:19:46 Marquita Morris: 10 frames for the distributive property and commutative property.

01:19:47 Daniel Irving: The visualization for multiplication, as well as for decimals.

01:19:48 Diane MacBride: supporting CPA

01:19:48 Amy Garwell: adding with a visual for 3 digit numbers

01:19:49 Luzviminda Bayarong: Hands on

01:19:49 Jet Yeung: yes , decimals.

01:19:50 Tina Cook: Number sketching

01:19:50 Natasha Young: muliplicaton

01:19:51 Natalie Fawthrop-Pooler: All of it really!

01:19:51 Susan Forbes: Sure. Assessment items that are related to finding equivalencies that ask students to not just state how many are each position but ask students to find equivalent forms using ones, tens, and hundreds.

01:19:52 Branch Pronk: Fabulous! As a coach, I can't wait to share with my grade level teams!

01:19:54 Milagros Carbonera: this is awesome

01:19:55 Kim Henry: Will ask my students to sketch and fo a few of my students to sketch the addition

01:19:56 Gina St Clair: Good for teaching older kids how to read numbers. Ones Tens Hundreds are always read the same, add the comma for saying thousand and million.

01:19:57 Caroline Moser: Absolutely! I can't wait to use the multiplication with my 5th graders and to use the sketching to help students with lower number sense

01:19:57 Stacy Milas: addition

01:19:59 Cecilia Lopez: I am a high school math teacher. I am curious about elementary math. Love this! love how students have the opportunity to work from manipulatives to symbol

01:20:00 Lynn Sykes: subtraction
01:20:00 Damaa Bell: The pictorial representing of regrouping
01:20:01 Heidi Hague: Awesome!
01:20:02 Nonye Obiora: I want to try out the decimal with fifth graders
01:20:03 Erin Hamson: Decimals and fractions
01:20:04 Kelley Manning: Number sketching
01:20:05 Denise Smith: I'm concerned that the 1000s and decimals lose their
size relationship
01:20:05 JENIEVE DeBonis: WOOHOO!
01:20:05 Linda Savcic: Thank you!
01:20:06 rachel wingo: awesome
01:20:07 Sandra MacDonald: ooooh! love games!
01:20:07 Sharon Stoeckel: sketching
01:20:08 Kathryn Mead: Thanks
01:20:09 Courtney Banks: Thank you so much! This was very helpful
01:20:09 Delia Joseph: Awesome!
01:20:09 Terri McCarthy: I am sharing with my school and math district
coordinator
01:20:09 Linda Dalley: awesome!
01:20:09 Aisamuddin Ridhuan: wow3
01:20:10 Janet Jimenez: AWESOME!!!!
01:20:11 Jessica Barrier: Awesome!!!
01:20:12 Tina Sanders: yes
01:20:14 Joanne Blake: Yay!!
01:20:14 Damaa Bell: Yay!!!1
01:20:15 Jessica Barrier: Thank you!!! :)
01:20:16 Marquita Morris: Great!
01:20:16 Dave Hankin: Very nice!!!!
01:20:17 Sara Sweningsen: so awesome!!!!!!
01:20:18 Wendy Dyal: Thank you!!!
01:20:20 Alison Pepero: THIS IS AWESOME!! Thank you!!!
01:20:25 Sara Sweningsen: thank you for your generosity
01:20:26 Laronda Raines-Langham: Thank you!!!
01:20:27 ANALINE BAUTISTA: wow!
01:20:27 Caroline Moser: This is the best! Thank you!
01:20:28 Nyla Moore-McCreary: awesome!!!

01:20:29 Sara Lane: Thank you!!!!!!
01:20:30 Mary Hamilton: Thank you!!!
01:20:30 Branch Pronk: Thanks!
01:20:32 Martisha Dunn: Thank you!
01:20:32 Kathryn Mead: Thanks
01:20:33 Elaine Winslow: thank you!
01:20:34 Jennifer Keene: Thank you for the games!!!
01:20:35 Olga Kosheleva: Thank you!
01:20:37 Camille Brown: Thank you
01:20:37 rachel wingo: thank you
01:20:38 Ashley Brehl: Fantastic, thank you!
01:20:38 Damaa Bell: Can we share the games with our team
01:20:38 Leah Watson-Rodgers: How do we get the Animated powerPoint

01:20:39 Denise Parker: yeah
01:20:39 Daina Dewald: Thank you!!!
01:20:39 suzanne pike: WOW! Thank you!!
01:20:39 Tracey Sweeney: Awesome!
01:20:40 Carrie Daniels: Yippy! Thank you!
01:20:40 Thy Dinh: thank you
01:20:41 Stephanie Rish: thank you
01:20:41 Gricelda Monroy: Sweet!
01:20:42 Marie Clarke: thank you
01:20:44 Patti Luxton-Moore: Thank you!!!
01:20:45 Ute Moore: Thank you so much!
01:20:45 Delia Joseph: hank you so much!
01:20:46 Daniel Irving: Thank you for the incredible presentation and
resources!
01:20:47 Kathy Smith: Fantastic!
01:20:50 Tracy Coleman: Great webinar!
01:20:53 Tika Epstein: Thank you!
01:20:53 Debra Robinson: thank you
01:20:56 Judy Getwe: Judy Gerwe Love Games for this
01:20:58 Christie Wuebbles: Thank you!
01:20:59 Andrea Green: Thank you for the great webinar
01:21:00 Karla Dangerfield: Thanks!
01:21:01 Tina Mitchell: Thank you so much! This was really informative!
01:21:02 Janet Jimenez: Indeed!
01:21:11 Emily Graff: no limits it doesn't exist
01:21:12 Quianna Watkins: Great info Kimberly!
01:21:14 Maureen Sheehy: Thank you
01:21:16 Jennifer Oneill: Great webinar
01:21:17 Alison Pepero: Thank you for an amazing webinar!!
01:21:19 Petrina Wishik: thank you
01:21:19 Kathryn Gray: Thank you!
01:21:23 Annette Gushue: students not kiddos
01:21:28 Luzviminda Bayarong: Thank You
01:21:32 Felice Sigal: Thank you!!!!
01:21:33 catherine fox: thank you
01:21:34 Terri McCarthy: Thank you so much!!!!
01:21:34 Tricia Arokium: Thank you
01:21:37 Chonda Long: <https://tinyurl.com/yb4osec3>
01:21:37 Damaa Bell: Great presentation
01:21:41 Kimberly Fisher: This is just what I needed! Thank you!
01:21:43 Milagros Carbonera: Again,thank you so much for this amazing
presentation
01:21:43 Kathy Smith: Thank you!
01:21:44 Elyse Lerman: Thank you so much. This was great!
01:21:46 Chonda Long: <https://tinyurl.com/yb4osec3>
01:21:58 Ellery Armes: Thank you!!
01:22:11 Becky Mann: Inspiring! Thank you!!
01:22:16 Cathy Hutchins: Very helpful even for someone who has done this for
decades. Thanks, Kim!
01:22:16 Justin Heid: Thank you! :-)

01:22:20 Laura Holloway: Thank you so much!!!
01:22:21 Linda Wojton: Thank you!
01:22:23 Allison Miller: Thank you!
01:22:30 Justin Heid: YES PLEASE
01:22:35 Chonda Long: <https://tinyurl.com/yb4osec3>
01:22:37 Marna Lampe: Thank you!
01:22:38 Stacy Milas: Thank you so much!!!
01:22:39 Heather Smith: thank you so much for your time and knowledge and
sharing with us all!!
01:22:40 Jessica Barrier: Thank you!
01:22:42 penny waddingham: Thank you
01:22:42 Cassandra Satterfield: Thank you!
01:22:43 Stephanie Izzard: Thank you!!!
01:22:44 Julie Vanderlugt: Thanks so much!!
01:22:44 Emily Graff: nice work Kim! thank you so much
01:22:45 Deanna Sanders: As an old crusty vet this was new and exciting for
my kiddos. Thank you!!
01:22:45 JENIEVE DeBonis: Thank you!
01:22:46 Becky Spears: Thank you!
01:22:46 Lorelei Phillips: thank you
01:22:47 Mary Vogt: Thank you again!!!
01:22:48 Damaa Bell: Thank you Beth
01:22:49 Alley Evans: My I 65reavbnm,./
01:22:49 Julie Granchelli: thankyou!
01:22:50 Lorie Huff: Thank you Kimberly, Beth, Chonda, Dave, and NCTM!
01:22:51 Emily Johnson: Thank you! I learned so much!
01:22:51 Dina Campbell: Awesome! Thank you!
01:22:51 Monica Tobe: Awesome webinar!
01:22:53 Maranda Jones: Thank you! :)
01:22:53 Denise Walston: thank you
01:22:55 Doreen: thank you so much!
01:22:56 Roberta Rotolo: FANTASTIC
01:22:56 Laura Goss: thank you
01:22:56 Jorge Veloso: I loved your presentation Kimberley, great!
01:22:58 Nicolette Nalu: Awwwww... so cute!!
01:23:01 Joyce Dunning: Thank you so much. This was fantastic
01:23:13 Sharon Black-MacKinnon: Thank you so much!! Blessed to be a part of
this webinar!!
01:23:16 Gricelda Monroy: This was wonderful! Thank you!!
01:23:18 LA VERNE MITCHELL: Loved your presentation!
01:23:22 Sandi Cooper: THANK YOU!!!!
01:23:24 Suzanne Lawrence: stacking to show multiplication and writing
same number in 10s frame are great!
01:23:24 Dornisha Shead: More info on Beyond Math Blocks
01:23:25 Patti Luxton-Moore: 🙌
01:23:25 Regina Williams: Thank you!
01:23:25 Sophia Vitilio: This was great, thank you!
01:23:25 Judith Florczak: thank you
01:23:27 Leah Watson-Rodgers: You are amazing! I've seen KP Mathematics
at various conferences and loved it!!

01:23:30 Sabrina Nikaghanri: This was great!!!
01:23:31 Dave Hankin: Thank you from Globe, Arizona!!
01:23:35 Sandra MacDonald: Loved every bit!
01:23:49 Cathy Hutchins: Clap, clap, clap, clap, clap, clap, clap
01:24:11 Sandra MacDonald: It's so worth it! Love my NCTM membership
01:24:25 Leah Watson-Rodgers: So worth it!!!
01:24:27 Dave Hankin: and the magazine subscriptions (I upgraded).
01:24:31 Denise Walston: agree. it is so worth it
01:24:43 Emily Graff: so glad to be part of this and a full webinar
01:24:51 Pam Cadena: What was the code again? I'd love to renew
01:24:53 Tracey Sweeney: Thank you so much!
01:24:55 Jennifer Keene: whar was the discount code?
01:24:57 Laura Holloway: Where can we find the manipulatives that were used
tonight?
01:25:01 Emily Graff: 100Days
01:25:08 Stacy Milas: thank you!!!!
01:25:10 Noe Eugenio: thank you very much!!!
01:25:13 Abby English: Thank you!
01:25:15 Jessica Barrier: Thank you!
01:25:20 Joyce Dunning: Please do it again
01:25:20 Janet Jimenez: Thank you once again. This webinar was amazing.
01:25:26 Aisamuddin Ridhuan: thank you
01:25:26 Audrey Campbell: loved it
01:25:33 Katherine Dominick: Thank you so much!
01:25:33 Branch Pronk: Thank you
01:25:37 Victoria J Del Fierro: thank you all!
01:25:51 Emily Graff: math genius
01:25:53 Sandra MacDonald: These PD opportunities are great!
01:25:55 Sarah Dickie: Thank you for the interesting ideas!!

01:25:59 Samiyyah Blanford: This was great. Thank you so much.
01:26:05 Sarah Dickie: Thank you for another great webinar!
01:26:15 Justin Heid: Where do we information about the summer course?
01:26:18 Emily Graff: thanks for making 10 frames infinitely possible
01:26:19 Tina Sanders: can you show the link again
01:26:38 Araceli Meza: Thank you!
01:27:17 Judy Getwe: Judy Gerwe, I'm 72 and still teach math and belonged
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