

00:15:50 Cindy Bryant: Hello from Springfield, MO. Please change your chat setting to All panelists and attendees.

00:15:55 Trena Wilkerson: Welcome! Hello from Waco, TX!

00:15:57 Chonda Long:
<https://www.nctm.org/News-and-Calendar/News/NCTM-News-Releases/A-Statement-on-George-Floyd,-Breonna-Taylor,-and-Ahmaud-Arbery/>

00:15:59 Karoulin Aljoris: hello

00:16:01 Emily Kavanagh: Hello from Columbia, MD

00:16:01 Jorge Veloso: Hi from Angola.

00:16:03 Karoulin Aljoris: Mi

00:16:08 Robin Harbour: Hi from Chico, CA

00:16:11 Diane Anderson: Hi from Massachusetts

00:16:12 Pamela Snook: Hello from Mill Creek, WA

00:16:14 Tara Militello: Hi from Philadelphia, PA

00:16:16 Paula Fitzpatrick: from Chelan, WA

00:16:17 Yvette Martinez: Hello from San Antonio, TX

00:16:18 Stephanie Caragher: Hello from NH

00:16:19 Ronald Austria: hi from NC

00:16:20 Michael Lanstrum: Hello from Cleveland, Ohio

00:16:21 Catherine Bronikowski: Hello from Milwaukee, WI

00:16:22 ann: Hello from Ann S Chelmsford, MA

00:16:23 Lora Deiter: Greetings from Dickson, TN

00:16:23 tani molina: Hello from Hinesville, GA

00:16:25 Necole Atkins-Dowd: Hi from Las Vegas, NV

00:16:26 Tanya Landry: Hi from Baton Rouge!

00:16:26 Li-Shien Lee: Hello from Ottawa, Canada

00:16:26 Heidi Nunes: Hello from Merced, CA

00:16:27 Gil Geeran Bangeles: Hello from Philippines!

00:16:27 Ramona Hall: Hi from NC

00:16:31 Jeevitha D: hi everyone

00:16:32 Archita Vaghasiya: Hi from Boston,MA

00:16:32 Joseph Kantrowitz: Hi from Suffern, NY

00:16:33 Claire Dent: Hi from Macon GA.

00:16:33 Melissa Campbell: Hello from Fort Payne, Alabama

00:16:33 Christina Siow Young: Hi from Monrovia, CA

00:16:35 Robin Alves: Hi All from White Plains NY

00:16:35 Justin Klinger: Hi from Romeoville, IL

00:16:35 Chandra Brandel: Hi, from Sugar Hill, GA

00:16:36 marie saliba: Hello from Lynnwood WA

00:16:38 Nicole Baize: Hello from Greensboro NC

00:16:38 Vanessa Stokes: hello from Chicago

00:16:44 Olga Kosheleva: Hello from El Paso, TX

00:16:44 Dawn Hogan: Hello from Lake Stevens, WA. I see a few other WA people on here!

00:16:44 Robert Berry: Hello Robert Charlottesville, VA

00:16:44 jeanine colwell: hello from Newport, NC

00:16:46 Debbie Grady: Hello from San Antonio, TX

00:16:48 Stephenia Courtney: Hello from Las Vegas, NV. Hope everyone is safe!

00:16:50 ALICIA PARUGINOG: Hello from the Philippines

00:16:52 David Martinez: Hello from New Mexico
00:16:53 Jaclyn Murray: Hi from Cumming, GA
00:16:53 Jeevitha D: hello from India
00:16:55 dana dulzo: hello from dana in novi mi
00:16:55 Nina Tandle: Hello from Lombard, IL (sent to just panelists last
time)
00:16:56 Ann Wycoff Bagshaw: Hello from Fort Carson/Fountain - Colorado
00:16:58 Sherrie Morrison: HI from Hamilton Ohio
00:16:58 Heidi Warrington: Hello from Reston, VA
00:17:00 Wendy Kraft: Hi from Silverdale, WA
00:17:01 LeAnna Deveaux-Miller: Good Evening All: From NEW PROVIDENCE, THE
BAHAMAS
00:17:02 Victoria Simmons: Hi from Houston ISD
00:17:03 Kristy Comer: Hello from Eagle Springs, NC
00:17:03 JANICE OLIVERA: hi! watching from KSA
00:17:04 Laura Partridge: Hi From Alexandria, VA
00:17:06 Anna Elizondo: Hello from Tucson, AZ
00:17:06 Stacy Wozny: Hello from Mooresville, MC
00:17:08 Chris Marshall: hello all
00:17:09 Annette Holloway: Hello from Murfreesboro, TN :)
00:17:09 Kendra Edwards: Hi from Brooklyn, NY
00:17:10 roya basu: Hi from NJ
00:17:11 Cherri Wilson: Hi from Suffolk, VA
00:17:13 SAPNA SHARMA: Hi from Nogales, Arizona
00:17:14 Edna Rioveros: Hello from the Philippines
00:17:16 Nicolette Nalu: Hello from Nicolette Nalu, AMTEA president in
ALABAMA!
00:17:17 Kelli Freiwald: hello from PA
00:17:17 Robin Brockmiller: Hello again from Yorktown, VA
00:17:20 Sheila Kirton-Robbins: Hello from Nashville, NC

00:17:23 Barb Everhart: barb here from MN
00:17:27 Nora Marasigan: Hello everyone from the Philippines
00:17:27 Laurie James: Aloha from Hawaii
00:17:28 Rosalyn Bantay: Hello from Philippines
00:17:30 Stacie Kyhn: Hello from Apache Junction, AZ!
00:17:35 Melissa Campbell: @Nicolette-beat you here
00:17:36 Ellen Williams: Ellen Williams: VVUHSD MS math teacher
00:17:37 Karen Campbell: Hi everyone from Saskatoon, SK
00:17:38 Chonda Long:
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00:17:39 Angelita Beltran: Hello from Waukegan, IL
00:17:42 Doreen Ho: Aloha kākou from Hawai'i
00:17:44 Fideliz Mae Magno: I missed yesterday's webinar :(Good morning
from Philippines!
00:17:45 Rita Shamrock: Hi from Rita in Senoia, GA
00:17:47 Staci Brock: hello from Salt Lake City Utah
00:17:49 C Robertson: Hello from Nevada
00:17:49 Pamela Goodwin: Hi from NJ

00:17:53 Linda Baker: hello from indiana
00:17:53 Sharon Black-MacKinnon: Good evening from New Brunswick Canada
00:17:54 Andrea Cadman: Hello from So. CA
00:17:54 Lawanda Mahomes: Hi everyone! Chicago, Illinois
00:17:54 Lynn Lafferty: Hello from Erie, PA
00:18:02 Heide Kaminski: Hello from Tecumseh, Michigan
00:18:03 Lori Gibbs: Hi from Belhaven, NC!
00:18:04 Tessie Menta: Hello from Stockton, California!
00:18:06 Flora Wright: Hello from Maryland
00:18:06 Janice Magauay: Hello from Maryland
00:18:06 Patti Gawronski: Hi from Texas
00:18:06 Chris Marshall: Maryland
00:18:12 Marvin Respicio: Hello everyone! Queens, New York
00:18:13 Lorie Huff: Hello from Fayetteville, Arkansas
00:18:13 Mary Walizer: Hello from Las Vegas, NV
00:18:13 Pamela: hi from Ill
00:18:14 Leslie Sorace: Hi from AZ
00:18:14 Gloria Flores: Hello from Texas
00:18:15 Chonda Long:
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00:18:19 Mark Fili: NYC!!!
00:18:20 Alana Roberts: Alane Roberts, Racine, Wisconsin
00:18:21 Daniel Irving: Hello from North Providence, RI!
00:18:22 Katelyn Devine: hello from Richmond
00:18:23 Skip Fennell: Hi from Westminster, Maryland
00:18:24 Charla Walker: Charla from Indianapolis indiana
00:18:25 Alicia Kaplan: Hello from New York, New York
00:18:31 Trever Reeh: Hello from Omaha, NE
00:18:32 Chonda Long:
<https://www.nctm.org/News-and-Calendar/News/NCTM-News-Releases/A-Statement-on-George-Floyd,-Breonna-Taylor,-and-Ahmaud-Arbery/>
00:18:32 Jodi Bland: Hello Jodi from Milford OHIO
00:18:38 Dale Pasino: Worcester MA. Any Yoopers out there?
00:18:42 Trena Wilkerson: We encourage you to go to the NCTM website and read the statement that Robert and I sent out yesterday. The link is in the chat box as well.
00:18:43 Jamie Cook: hello from Mesa, AZ.
00:18:45 John Sasko: GOOD Evening - from Mt. Vernon NY (just north of the Bronx). Denzel, Stephanie Mills, Nina Simone, Heavy D, all from Mt Vernon.
00:18:50 Suhana Kadoura: Hello from Ottawa CA
00:18:51 Kay Wohlhuter: Hi from Duluth, MN
00:18:53 Chonda Long:
<https://www.nctm.org/News-and-Calendar/News/NCTM-News-Releases/A-Statement-on-George-Floyd,-Breonna-Taylor,-and-Ahmaud-Arbery/>
00:18:58 HILARY OMOKAFFE: Hi everyone, its Hilary from Muscat in Oman.
00:19:01 Joyce Meier: Hello from Chicagoland
00:19:01 Alison Walker: Hello everyone Alison Walker Darien, Georgia!
00:19:09 Mary France Oliveros: Hello from Manila Philippines
00:19:09 Joan Albers: Hello from Ohio

00:19:12 DawnMarie Gaghan: Hello from Long Island,NY
00:19:21 Emily Graff: Painesville OH, hi
00:19:25 Chonda Long:
<https://www.nctm.org/News-and-Calendar/News/NCTM-News-Releases/A-Statement-on-George-Floyd,-Breonna-Taylor,-and-Ahmaud-Arbery/>
00:19:30 Cynthia Brunk: Hello from Virginia!
00:19:31 Christa McLaughlin: hello from hereford, pa
00:19:31 Stephen Raymund Jinon: Hello from Iloilo,Philippines
00:19:32 Stephanie Byrd: Hello from GA
00:19:36 Dian Kurniawan: good morning from Indonesia
00:19:37 Amy Tucker: Hi from Wayne, Maine
00:19:37 SARAH AMBEAULT: Hi from PA
00:19:38 Lori McDevitt: hello from Charlotte NC
00:19:39 Vicki Roman: Hi from Worcester, MA
00:19:41 Candida Arthur: Lynchburg Virginia
00:19:42 Erika Hassay: Hello from Austin!
00:19:43 Roberto Marquez: Hello from Los Angeles, CA
00:19:43 Paula Wardell: hello from Detroit
00:19:44 Wendy Stocum: Hi from Raleigh NC
00:19:44 Sara VanDerWerf: Sara VDW from Minneapolis. Very excited to learn from the two of you.
00:19:45 Veronica Kwok: Hello from Queens, NYC
00:19:45 Laura Perello: Hello from West Texas
00:19:45 Jennifer Phipps: Hi from KY
00:19:46 Patrick Anderson: Hello from Iowa
00:19:46 Joanne Speaks: Hello from Virginia
00:19:46 Cheryl Ferrell: Hi from RIVerview
00:19:47 Beth Snoop: hello from holland, michigan
00:19:48 Jennifer Heldenbrand: Hello from Provo, UT
00:19:48 Becky Duprey: Hello from northern NY state.
00:19:48 Leslie Clark: Hi from Skipwith, VA
00:19:49 Rachel Hauser: Hi from NY
00:19:49 Kelly Sotsky: Hi from Massachusetts!!
00:19:50 Dave Hankin: Hello from Globe, Arizona!
00:19:50 Tiffany Baker: hello from Wisconsin
00:19:50 Pamela Stark: Hello from Massachusetts!
00:19:50 Megan Riley: Hello from NE Ohio
00:19:51 Joy Feinauer: Michigan
00:19:51 Craig Kiecker: Hello from Arizona
00:19:52 Mary Dugas: Hi--Lafayette, LA3
00:19:52 Leah: Hello from South Carolina
00:19:53 Jill Johnson: Wake Forest, NC
00:19:53 Jewelyn Williams: Hello from Washington, DC
00:19:53 Louise Phillips: Hi from Thomasville, GA
00:19:53 Noe Eugenio: Hi from Philippines
00:19:53 Kristin Afana: Hi from Indianapolis, IN
00:19:53 April Sterbin: Hi from Wisconsin
00:19:54 Firoza Rahman: hello from Bronx, NY
00:19:54 Steven Jarowski: Charles Town WV
00:19:55 Ana Alcaraz: Hi from Atlanta

00:19:56 Marlene Naquin: Hello all, From Long Beach MS

00:19:56 Sabrina Wickens: Hello from Michigan

00:19:56 Sherrie Robinson: Dallas TX

00:19:56 Laurie Barker: Hello from Junction, Texas

00:19:57 Ruth Glasgow: hello from Sydney Australia

00:19:57 Milagros Smith: Hello, from Ocala, FL

00:19:57 Deb Crawford: Hello from VA!

00:19:58 Carolina Vix: From Pittsboro, NC hello to all

00:19:58 Frederick Racki: Fred Racki...Miami

00:19:58 MEI OH: Hi, from Marietta, GA

00:19:59 Chance Nalley: Chance Nalley, NYC

00:20:00 Gwen Marlatt: Hello from Highlands Ranch, Colorado

00:20:01 TaMerra Wallin: hi from Utah

00:20:01 Kimberly Daniels: Hello from Baton Rouge, LA

00:20:02 Maria Dolores Estravez: Hi from Fort Washington, MD

00:20:04 LaDonna Schwab: Hello from Texas

00:20:04 Christine Betley: Eastern Shore Maryland

00:20:05 amanda Helgerson: Hi! From Northfield, MA 8th grade math teacher

00:20:05 Esther Winikoff: hello from Baltimore!

00:20:05 Katie Gibson: Good Afternoon from The Dalles, Oregon

00:20:05 Susan Hall: Hi - Susan from Austin Tx

00:20:05 Carolyn Briles: Leesburg, VA

00:20:05 Ganell Tyson: Hi from Aulander, NC

00:20:06 Lisa Owens: Hi, from Cincinnati, Ohio

00:20:08 Lance Brauchla: Hi from Ege, IN

00:20:08 Bertha Reyes-Pond: Hi from San Antonio, Texas

00:20:08 Rachel West: hi from Midlothian, va (near richmond)

00:20:09 Beth Karl: Hi from NJ

00:20:10 Ifeoluwa Oresanwo: Hello from Maryland

00:20:10 Tammy Lackey: Hello from Raleigh NC 🙌

00:20:11 JaDawn Wagstaff: Buffalo, New York

00:20:11 Sandra Silva: hello from west Springfield ma

00:20:12 JENNIFER GALVIN: Hello from Tampa Florida

00:20:12 Stephanie Bell: Hi from St Louis MO

00:20:12 Jonalyn Basuel: hello from Philippines

00:20:13 Felice Sigal: Hello from Plantation, FL

00:20:17 Christi Edwards: Christi Edwards Stanly County Schools.

00:20:18 LaTasha Prichett: Hello-Texas

00:20:20 Danielle Bentley: Hello from Kansas City. Be safe everyone.

00:20:21 Divine Faith Almocera: Hello from Butuan City, Philippines

00:20:22 Delores Rushing: hello everyone from Wash., DC

00:20:23 Deniz Çakır: Hello from Turkey!

00:20:24 Stacey Zindle: Hi from Murfreesboro, TN!

00:20:24 Jeff Shih: Hi from Las Vegas

00:20:27 cindy: Hi from Murfreesboro, Tn

00:20:27 francine ezekannagha: Hello from Montgomery, AL

00:20:30 LaFonda Sherrill: Hello from Alabama

00:20:30 Dongsheng Zhang: Hello from Plano TX

00:20:37 Philip Mojares: H from Somerton, Arizona
00:20:39 C Brandstetter: Hi from Ashburn, VA :)
00:20:44 PATRICK GUERRA: Good morning from Philippines
00:20:45 Ginger Miller: can you please put up the link for slides again?
It's too far back. Thanks.
00:20:46 Laura Hope: Hi from Gilbert AZ
00:20:47 Denika Gum: Hi from Virginia!
00:20:48 Judy Gerwe: From Judy Gerwe
00:20:49 Bette Barkley: Hi from Orlando, Florida
00:20:55 Konnie Guthrie: Hello from Las Vegas, NV
00:21:00 Velma Guidry: Velma from Beaumont
00:21:00 J.BROWN: Hi from Montgomery, AL.
00:21:03 Nell Thurlow: Hello from Lafayette Louisiana
00:21:05 Wisnu Siwi Satiti: Hello everyone, I'm Siwi from Indonesia
00:21:07 Felecia Ricks: Hello from Richmond, Virginia
00:21:08 Emerson Roman Sanchez: Hola from Mexico City!
00:21:11 LaWanda Speas: Hello Lawanda Speas from North Carolina
00:21:12 Lesly Brown: Good evening from Knoxville, Tennessee. I am so
appreciative of NCTM permitting us to learn so much with them this year.
00:21:15 Tim Bobay: Hi from Raleigh, NC
00:21:15 Greg Davis: Hi from Winlock, WA
00:21:25 Christina Hall: Hi from Yuma, AZ
00:21:27 Durrell Lewis: from DC!
00:21:31 Wendy Miller: Hello from Seattle, WA
00:21:32 Maryn Foote: Hello from LA CA
00:21:36 Abdul Razak Othman: Razak from Malaysia
00:21:41 Bobby Flores: Hello from Houston, TX
00:21:41 Amy Tucker: <3
00:21:44 Chesnee Palmer: Hello from Albemarle, NC
00:21:51 SARAH AMBEAULT: <3
00:21:51 John Simons: Hi from Milwaukee, WI
00:21:52 Fardowsa Mahdi: Hello from Flower Mound, TX
00:21:53 Sharon Black-MacKinnon: Blessings to you
00:21:54 Tanaga Rodgers: Hello from Crofton MD
00:21:56 MEI OH: So sorry to hear that.
00:21:59 Caroline Mitchell: SLC, UT,USA
00:21:59 Julie Leckman: Love to you
00:22:01 Maryn Foote: blessings
00:22:01 Mohamed T: Hi , This is Mohamed from CT.
00:22:04 amanda Helgerson: bless you
00:22:05 Bill Prince: Hello from Chicago
00:22:09 Nicolette Nalu: Thank you for doing this for us this evening.
Prayers to you!
00:22:10 Suhana Kadoura: thank you for taking the time to share with us
during these very difficult times.
00:22:17 Damali Pittman: Thank you for taking the time to present during this
difficult time. it is much appreciated!
00:22:18 Emily Kavanagh: Wow prayers to you Lesa
00:22:24 Alison Walker: Hi Lisa!
00:22:25 Durrell Lewis: in solidarity with you all. We are praying!

00:22:34 Niniek Budhiastuti: Thank you for continuing this. And we are all support you in prayer

00:22:34 Bonnie Embrey: Hi from Virginia

00:22:45 Chonda Long:
https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/Hundred-grid-half-sheet-plain.pdf

00:22:47 Phyllis Creech: Hi Phyllis from Georgia

00:22:52 Susan HANSON: Hello, from Albert Lea, MN

00:22:55 Karin Keener: Hi from Tennessee!

00:22:56 Anne Marie Hohman: Hello from Alexandria, VA! Thank you for taking the time to share with us during such a difficult time.

00:23:03 Margie Acabal: hello watching from Phillipines

00:23:04 Chonda Long: Handout -
https://www.nctm.org/uploadedFiles/Conferences_and_Professional_Development/Webinars_and_Webcasts/Webcasts/Hundred-grid-half-sheet-plain.pdf

00:23:15 Emily Kavanagh: I did a 100 grid with my students at the beginning of the school year

00:23:43 Konnie Guthrie: 10 rows of 10

00:23:50 Bonnie Angel: equivalent fractions

00:23:51 Vanessa Stokes: counting by 10s

00:23:52 Chesnee Palmer: skip counting by 10s

00:23:57 Dave Hankin: increase by 10 each row

00:23:58 Chris Marshall: perfect squares

00:23:58 Kari Eggink: counting by 10 in the last column

00:24:00 Philip Mojares: 10

00:24:01 Christina Siow Young: The ones place is the same going down in the column

00:24:02 Dr. Yankey: GA

00:24:02 Joan Albers: odd even

00:24:03 WCChambers: Rows of odd and even numbers

00:24:05 Lance Brauchla: final number same in each column

00:24:07 dana dulzo: under 4 all the numbers end in 4, under 5 all the numbers end in 5

00:24:08 Stephenia Courtney: praying for the safety of everyone

00:24:09 Janice Magauay: Perfect squares and perfect cubes

00:24:09 Tanya Landry: Increases by 1 to the right, increases by 10 going down

00:24:10 Konnie Guthrie: The one's place in each column is the same.

00:24:12 Daniel Irving: Adding 11 along the diagonals.

00:24:13 Elaine Everts: The diagonals add to the number at the top

00:24:13 Lori McDevitt: columns count on by 10

00:24:14 Danielle Portocarrero: counting by 5

00:24:14 Sharlena Cooks-Fahngon: 5's and 10's increase by 10

00:24:14 marie saliba: counting by 10

00:24:16 Bernita Johnson: even and odd

00:24:19 Emily Graff: Skip counting

00:24:19 Elizabeth Downing: Last digit in each column is same

00:24:19 Ana Alcaraz: same last digit in each column

00:24:20 Philip Mojares: odd and even

00:24:21 Lynda Wilder: counting by 10s

00:24:21 Dr. Yankey: odd Even

00:24:23 Janice Magauay: multiples of 5,10

00:24:23 Stacie Kyhn: Downward diagonals have a tens digit and units digit increasing by 1.

00:24:23 India Puch: For every column the top number end with that same number

00:24:26 Lynn Lafferty: last column ends in zero

00:24:27 Lynda Wilder: counting by ones

00:24:28 Greg Davis: diagonal increases by 11

00:24:29 Stephenia Courtney: odd and even #'s

00:24:30 Christa McLaughlin: diagonal go up by 11

00:24:30 Edna Rioveros: multiples

00:24:31 Glenda Escasinas: 5's 10's 2's

00:24:31 Emerson Roman Sanchez: Each row ends in the same digit

00:24:32 Tanaga Rodgers: Ones column vertically stays the same

00:24:32 Jacob Waxenberg: The diagonal goes by 11

00:24:33 Ramona Hall: adding tens

00:24:37 Shauna Brown: hi from Brooklyn NY

00:24:37 John Simons: Ones column same as they go down

00:24:38 LaWanda Speas: Patterns in 10's

00:24:39 Trever Reeh: The one's digit is the same down each column.

00:24:40 Annette Holloway: As you go down the numbers increase by 10

00:24:41 Durrell Lewis: 10 by 10

00:24:42 Noe Eugenio: prime and composite numbers

00:24:43 Kimberly Brown: counting numbers before and after Helle for NW Arkansas

00:24:43 Jewelyn Williams: Adding 10 results in the same ones digit

00:24:44 Becky Duprey: Diagonal by 9 or 11

00:24:44 Sharlena Cooks-Fahngon: all the numbers increase by 10 down

00:24:50 Dr. Yankey: 5,10,15

00:24:50 Lora Deiter: Diagonals have 1, 2, 3, 4, etc. as well.

00:24:50 Skip Fennell: visual way to see multiples

00:24:51 Beth Nalker: Same tens digit across rows. Same ones digit down columns

00:24:51 amanda Helgerson: diagonal top right to bottom left- digits add to 10

00:24:54 Konnie Guthrie: Sieve of Eratosthenes

00:24:54 Sheila Kirton-Robbins: rows start with multiples of 10

00:24:56 Lynda Wilder: multiplication facts

00:24:56 Roberto Marquez: Add the digits of each of the diagonal numbers and it equals the number in the first row

00:24:58 Ann Augustine: In each column each number ends with the first number in the column

00:24:59 Arika Collins: left diagonals increase by 9

00:25:00 Alison Walker: Even numbers and odd numbers

00:25:00 Tara Militello: Diagonally it counts by 11

00:25:12 Denika Gum: On diagonal, numbers increasing by 11

00:25:22 Lesly Brown: Lisa, I am so sorry to learn your community is suffering so badly. Thank you for continuing and helping us to learn amidst all that is going on in our communities and across our country.

00:25:24 Dale Pasino: Diagonals running left to right increase by 11;
diagonals running from right to left increase by 9

00:25:43 Dr. Yankey: 11

00:25:48 Elizabeth Downing: Evens shaded

00:25:51 Rebecca Weston: Columns

00:25:52 Sabrina Wesley: columns

00:25:53 Lori McDevitt: every other number is shaded

00:25:54 Ramona Hall: 2 4 6 8 0

00:25:54 Lynda Wilder: diagonal and vertical

00:25:55 Catherine VanNetta: alternating columns

00:25:55 Maryn Foote: Column blue

00:25:55 Doreen Ho: Goes down the columns

00:25:55 HILARY OMOKAFFE: even

00:25:56 Rebecca Weston: Every other column

00:25:57 Joseph Kantrowitz: every other column is shaded

00:25:58 Durrell Lewis: evens

00:25:58 Kari Eggink: every other column is shaded

00:25:59 John Simons: Columns

00:25:59 JENNIFER GALVIN: white blue white blue

00:25:59 Heidi Warrington: Every other column

00:25:59 Betsy Smith: They alternate in columns

00:26:00 Emily Kavanagh: 10s

00:26:00 Edna Rioveros: even numbers

00:26:01 Emily Graff: Blue white blue

00:26:01 D Leger: evens

00:26:01 Tanaga Rodgers: Every shaded number is 2, 4, 6, 8 or 0

00:26:01 Greg Davis: alternating shading

00:26:02 MEI OH: Increased by 10

00:26:02 Laura Hope: count by 2/s

00:26:03 gail kilbourn: vertical columns shaded

00:26:03 Debbie Grady: increasing by 10

00:26:03 Stephanie Treadwell: Increase by 10 in the column

00:26:03 Joseph Kantrowitz: white/blue

00:26:03 Becky Duprey: columns 2 4 6 8 0

00:26:04 Janice Magauay: Increases by 10 vertically

00:26:04 Margie Acabal: even numbers are shaded

00:26:06 Ellen Williams: vertical alignment

00:26:07 Joseph Kantrowitz: even/odd

00:26:07 Gloria Flores: Evens in blue

00:26:08 Dr. Yankey: 2,4,6,10

00:26:08 Lynda Wilder: shaded patterns are even

00:26:08 John Simons: Alternating columns

00:26:09 LaWanda Speas: shaded

00:26:09 SAPNA SHARMA: Even numbers are shaded

00:26:09 Christina Hall: every other column

00:26:10 Dave Hankin: odds - white, evens blue

00:26:11 Julie Leckman: No primes

00:26:13 Patti Gawronski: even numbers shaded

00:26:13 Claire Dent: half of them are shaded

00:26:13 Jewelyn Williams: The evens end with 2 4 6 8 0

00:26:13 D Leger: sequential

00:26:14 Sharlena Cooks-Fahngon: even shaded and odd are not

00:26:14 Denise Quarles: Double digits form diagonal

00:26:14 Sabrina Wickens: Half of the numbers are shaded

00:26:16 LaFonda Sherrill: every other column is shaded

00:26:17 Konnie Guthrie: The one's place have a 2, 4, 6, 8, or 0 are
divisible by 2.

00:26:18 Joseph Kantrowitz: ones digit is the same in each column

00:26:19 Alicia Kaplan: they go up by one in the tens column

00:26:20 Kimberly Brown: learning about divisibility rules

00:26:21 Becky Duprey: increase in tens but the ones stay the same as they
look down the column

00:26:22 Susan Creenan: odd and even rows.

00:26:24 Stephenia Courtney: even shaded and odd not

00:26:24 SAPNA SHARMA: Odd numbers not shaded

00:26:24 Marlene Naquin: In a square of 4 the diganols are equal 1, 2, 12,
14 $1+12=13$ $2+11=13$

00:26:24 Emily Graff: Second number 2, 4, 6, 8

00:26:24 Lynda Wilder: Ones place repeats vertical

00:26:25 Julie Leckman: $y=2x+2$

00:26:26 Janice Magauay: blue even numbers

00:26:27 Ellen Williams: recognize the last number

00:26:27 Elaine Everts: Increasing by twos across and by 10 down

00:26:27 Ginger Miller: 2's column, all end in 2

00:26:28 Nora Marasigan: even numbers are shaded

00:26:31 JENNIFER GALVIN: equal amounts of blue and white columns

00:26:32 Margie Acabal: even numbers are on the same column

00:26:33 Kathleen May: The top number at top of table is the same ones
digit is the same

00:26:35 Heidi Nunes: Only 1 prime number--2 is prime.

00:26:40 JENNIFER GALVIN: diagonal pattern

00:26:41 Jonna Alexander: diagonals

00:26:42 D Leger: makes a diagonal line

00:26:43 Durrell Lewis: diagonal patterns

00:26:43 Susan Creenan: diagonal

00:26:43 Joseph Kantrowitz: step ladder pattern

00:26:44 Pamela Snook: Makes diagonal patterns

00:26:44 Doreen Ho: Diagonals!

00:26:45 Lynda Wilder: Diagonal

00:26:45 John Simons: Makes diagonals

00:26:45 Heidi Warrington: diagonals

00:26:45 Lora Deiter: It forms diagonals

00:26:45 Kari Eggink: I see diagonal lines

00:26:46 Glenda Escasinas: diagonals

00:26:47 Janice Magauay: Adds up by 9diagonally

00:26:47 Sabrina Wesley: Multiples are diagonal

00:26:48 Denika Gum: Sum of digits divisible by 3

00:26:48 LaFonda Sherrill: diagonal

00:26:49 Faith Peddie: Francine, do you have a specific question?

00:26:50 Ginger Miller: diagonals

00:26:50 Ana Alcaraz: two white diagonals between the reds
 00:26:50 tani molina: Diagonal pattern
 00:26:52 Emily Kavanagh: Patterns
 00:26:52 Ann Augustine: diagonal pattern
 00:26:53 Dave Hankin: diagonals of multiples of 3 in red
 00:26:55 Kelli Dodson: 3, 3, 4 as you go across that moves to the left
 00:26:56 Justin Klinger: diagonals
 00:26:57 Marlene Naquin: they are diagonals
 00:26:59 Denise Quarles: There is the inverse of numbers in each diagonal row
 00:26:59 D Leger: diagonal increase up by 11
 00:27:00 Laura Hope: diagonal patterns
 00:27:01 Durrell Lewis: divisibility for 3's apply
 00:27:01 Lori McDevitt: diagonal lines created in shaded
 00:27:01 Patti Gawronski: diagonal shaded
 00:27:03 Julie Sabbah: plus 9 in diagonals
 00:27:04 Arika Collins: increase by 9
 00:27:04 Mary Keane: diagonal vs column
 00:27:04 Konnie Guthrie: I use this to have the students develop divisibility rules.
 00:27:04 Chesnee Palmer: Prime and Composite #
 00:27:05 Margie Acabal: multiples of the upper numbers
 00:27:05 Emily Graff: Counts up by 1 diagonal
 00:27:06 Emerson Roman Sanchez: Diagonally increase by 9
 00:27:06 Ramona Hall: 1 2 3 4 5 6 7 8 9 0
 00:27:07 Maryn Foote: diagonals are shaded with two diagonals unshaded
 00:27:07 Nora Marasigan: the shaded numbers are all divisible by 3
 00:27:07 Faith Peddie: John, do you have a specific question?
 00:27:07 Danielle Portocarrero: going left to right each row they are the answers to the 3 times tables
 00:27:08 Elaine Everts: diagonals
 00:27:08 Jacob Waxenberg: Diagonal by 9
 00:27:08 Sharlena Cooks-Fahngon: diagonal
 00:27:09 Durrell Lewis: divisibility rules
 00:27:10 Ronald Austria: divisible by 3
 00:27:10 Shauna Brown: diagonal
 00:27:10 Becky Duprey: diagonals and if you add the ones and tens you get the same number
 00:27:10 Julie Leckman: 2 down and 2 across
 00:27:12 Firoza Rahman: sums of the digits are divisible by 3
 00:27:12 Gloria Flores: By 9s
 00:27:13 LA VERNE MITCHELL: Diagonal pattern of 9s timetables
 00:27:13 dana dulzo: diagonal shading
 00:27:13 Denise Quarles: i.e. 21 and 12 51 and 15
 00:27:14 Cheryl Ferrell: adding by nine in diagonally
 00:27:14 Lori McDevitt: some odds, some even
 00:27:15 Edye Christopher: The diagonals all add up to the leading number.
 00:27:15 Kathleen May: The digits when added all add up to a number that is divisible by 3
 00:27:16 Jonna Alexander: the ones count from 1, 2, 3...as you move up

from left to right

00:27:17 Glenda Escasinas: The sum of the digits is a multiple of 3
00:27:17 C Brandstetter: diagonal 1 adds up to 3
00:27:17 Ann Augustine: numbers count down by 1
00:27:18 Betsy Smith: The place values change by ones on the diagonals.
00:27:19 Deniz Çakır: x3
00:27:20 C Brandstetter: the second to 6
00:27:21 Susan Creenan: diagonals are odd, even odd, or even odd even
00:27:22 Faith Peddie: Maria, do you have a specific question?
00:27:22 MEI OH: Diagonal increases by 9
00:27:22 Stephenia Courtney: divisible my 3 shaded diagonals
00:27:24 Kerry Lindo: each digit in the diagonals add toto the first
number
00:27:24 Chris Marshall: the 3 are in the rows of 3 and then 6 on the
diagonal
00:27:25 C Brandstetter: the third to 9
00:27:25 Roberto Marquez: Add the digits an the sum is divisible by
three
00:27:26 Elizabeth Downing: add up to 3
00:27:27 Skip Fennell: Sums of the digits are the lead number (within the
diagonals)
00:27:29 Ellen Williams: add the digits -- multiple of 3
00:27:29 Maryn Foote: digital sum
00:27:30 Liz Swerling: vertically and horizontally, every third square
shaded
00:27:31 Pamela Snook: add digits together -- divisible by 3
00:27:31 Tara Militello: Wow!
00:27:31 Christa McLaughlin: Some are odd and some are even
00:27:32 Faith Peddie: Jennifer, do you have a specific question?
00:27:33 Denise Quarles: wooo2
00:27:33 Mary Keane: ones digit counts up by 1
00:27:34 Lynda Wilder: add digits and the sum is divisible by 3
00:27:34 Bill Prince: the diagonal sum of digitsd i9s the lead number
00:27:34 Ginger Miller: Wowo
00:27:35 Lori McDevitt: Wow! never noticed that!
00:27:35 Catherine VanNetta: digits add to a number divisible by 3
00:27:35 Anastasia Alexiou: sum of digits add up to num ber
00:27:36 Ann Wycoff Bagshaw: All the digital routes add up to 3, 6, or 9
00:27:37 Katia Amaral: digital sum is a multiple of 3
00:27:37 Veronica Kwok: I see the palindrome-ish -ness
00:27:41 Doreen Ho: Digits add up to number at the top of the colum
00:27:42 Janice Magauay: Digits sum up to 3, 6 , etc
00:27:43 Maryn Foote: That was cool to see the digital sum
00:27:43 Ramona Hall: 1st number goes down, 2nd number goes up
00:27:46 Roberto Marquez: That's true for all diagonals
00:27:48 Lesly Brown: With the shading, the student can see it better
visually and opens a better understanding in this manner for them.
00:27:51 Emerson Roman Sanchez: Diagonally alternate between even and odd
00:27:51 Melanie Doody: So cool! I never noticed.
00:27:52 John Sasko: Odd, even alternating?

00:27:54 Heidi Nunes: one red, two white, one red, two white...

00:27:58 Patrick Anderson: two clear columns at a diagonal between each shaded diagonal

00:27:59 Liz McClenaghan: Diagonals increase by 9

00:28:00 Danielle Portocarrero: I never noticed that either

00:28:12 Shauna Brown: alternate

00:28:13 Susan HANSON: The sum of each block going diagonal, the sum of the two numbers is the same all the way to the top.

00:28:13 C Brandstetter: so cool

00:28:17 Lance Brauchla: numbers add to 1st row in 1st 3 diagonals

00:28:24 Tara Militello: The numbers diagonal from 30...the sum of the 2-digits equals 12...except for the 30

00:28:25 Laura Hope: I know about divisibility rules but never thought about using a 100 grid to reinforce it

00:28:25 Firoza Rahman: it's pretty cool and is actually one of the divisibility rules

00:28:27 Jacob Waxenberg: If you add the two digits then it is divisible by 3

00:28:31 Julianna Messineo: $3*2 = 6$, $3*5 = 15$, $3*8=24$, $3*11 = 33$. Each multiple increases by 3

00:28:31 Lori McDevitt: only even numbers

00:28:31 John Simons: Like a big staggered checkerboard

00:28:33 Durrell Lewis: all are divisibly by 2 and 4

00:28:34 Ronald Austria: divisible by 4

00:28:34 Becky Duprey: Same columns as two but every other one.

00:28:35 Lynda Wilder: columns

00:28:36 Dave Hankin: shading skips by 10 in the columns

00:28:37 Ann Augustine: columns skip every other box

00:28:37 Heidi Warrington: every other square in the columns

00:28:37 Nora Marasigan: skip counting by 4

00:28:38 Doreen Ho: Alternating

00:28:38 Liz McClenaghan: 2 shaded then 3 shaded

00:28:39 Arika Collins: all even

00:28:41 Konnie Guthrie: If you have kids color code it is easy to see if a number is divisible by that number.

00:28:41 Maryn Foote: three squares are unshaded between shaded

00:28:43 Margie Acabal: multiples of 4

00:28:43 Joan Albers: even

00:28:44 Joseph Kantrowitz: every other row has 2 then 3 shaded

00:28:45 John Sasko: Five shaded in each vertical row

00:28:46 Emily Graff: Three numbers in-between

00:28:47 Sabrina Wesley: shaded numbers are even

00:28:48 D Leger: diagonal offset by 2

00:28:49 Dave Hankin: by 20

00:28:49 Melanie Doody: every other 2 is shaded.

00:28:51 Elaine Everts: alternating columns

00:28:51 Robin Alves: No

00:28:52 SAPNA SHARMA: horizontally divisible by 4

00:28:53 Emily Graff: yes

00:28:53 MEI OH: Increased by 20 in column

00:28:53 Ronald Austria: no

00:28:54 Emily Kavanagh: Odds and evens

00:28:55 Catherine VanNetta: vertically increasing by 20

00:28:56 Judy Gerwe: Judy Gerwe columns all # divisible by 4 and 2

00:28:56 Kari Eggink: you are skipping every other red (2) number

00:28:59 Trever Reeh: About half the time.

00:29:00 JENNIFER GALVIN: the rows are staggered in the same shading

00:29:00 Stephenia Courtney: divisible by 4 and columns

00:29:00 Denise Quarles: Numbers in orange boxes go up by 20 in each column

00:29:01 Gloria Flores: by 20

00:29:02 Kathleen May: The numbers as we go down every other box increase by 20

00:29:02 Ifeoluwa Oresanwo: Add 12 to get the next number in diagonal

00:29:02 Mary Keane: rows alternate between 2 numbers then 3 numbers and the pattern repeats

00:29:08 Jewelyn Williams: The even boxes skip every other box vertically

00:29:10 Durrell Lewis: no because 22 is divisible by 2 but not 4

00:29:11 Sabrina Wesley: 2 and 3 shaded boxes on alternating rows

00:29:13 Konnie Guthrie: If you can divide the number by 2 twice it will be divisible by 4.

00:29:16 Susan Creenan: columns skip every other square

00:29:18 Liz McClenaghan: no odds are shaded

00:29:24 Chris Marshall: every other column

00:29:43 Maryn Foote: 3 tens

00:29:53 Doreen Ho: Increased by 30 ...interesting.

00:29:59 Durrell Lewis: 20s

00:30:01 SAPNA SHARMA: very interesting pattern

00:30:02 Emerson Roman Sanchez: increases by 20

00:30:02 Mary Keane: goes by 20

00:30:04 Heidi Nunes: least common multiple of 3 and 10 is 30.

00:30:04 Emerson Roman Sanchez: mmmm

00:30:05 Emily Graff: 10,30,20

00:30:07 Maryn Foote: 2 tens

00:30:08 Mike Shaughnessy: The 4's are the Knight's moves on a chessboard

00:30:17 Heidi Nunes: least common multiple of 4 and 10 is 20

00:30:26 Joseph Kantrowitz: ends in 5 and 0

00:30:26 Julianna Messineo: By 10s

00:30:26 Laura Hope: increase by 10

00:30:30 Ronald Austria: divisible by 5

00:30:30 Lynda Wilder: ONes place is 0 or 5

00:30:33 Robin Alves: Increases by 10

00:30:34 Maryn Foote: 4 unshaded columns between

00:30:34 Joseph Kantrowitz: increases by 110

00:30:35 Justin Klinger: only two columns

00:30:36 Elaine Everts: Inc by 10

00:30:36 Sharlena Cooks-Fahngon: increase by 10

00:30:36 Joseph Kantrowitz: 10

00:30:37 Durrell Lewis: divisibility rules of 5 and 10

00:30:37 Ellen Williams: I love working with 5's -- and so do my students :)

00:30:37 Ann Augustine: increases by 10

00:30:39 Stephenia Courtney: increase by 20

00:30:40 Dave Hankin: multiples of 5 are shaded

00:30:42 Chris Marshall: increase by 10

00:30:55 Erin Meunier: never thought to use this for discovery of divisibility rules

00:30:57 Nora Marasigan: multiples of 5 and 10

00:30:58 Durrell Lewis: 30

00:30:59 Heidi Nunes: least common multiple of 5 and 10 is 10

00:31:02 Elaine Everts: inc by 30

00:31:02 Maryn Foote: prime numbers. . .increase by 10?

00:31:05 Shauna Brown: multiples of 5

00:31:05 Annette Holloway: increases by 30

00:31:08 Ronald Austria: divisible by 3 and 6

00:31:08 Catherine VanNetta: vertically increases by 30

00:31:12 Mary France Oliveros: for 6, it increases by 30,

00:31:13 Emily Graff: 2 and 3

00:31:13 Becky Duprey: They are multiples of 2 and

00:31:14 Lynda Wilder: divisible by 3 and 2

00:31:14 Maryn Foote: 2 and 3

00:31:15 Lora Deiter: Increases by 30 just like 3s did!

00:31:15 Catherine VanNetta: divisible by 2 and 3

00:31:16 Maria Dolores Estravez: increases by 30

00:31:16 Heidi Nunes: LCM of 6 and 10 is 30

00:31:16 Tanaga Rodgers: Always even

00:31:16 Laura Hope: divisible by 2 and 3

00:31:16 Christina Hall: Divisible by 3 & 2

00:31:17 Dave Hankin: skip shading by 30 on columns

00:31:17 Christa McLaughlin: even

00:31:17 Edye Christopher: Also divisible by 2 and 3

00:31:18 D Leger: also divisible by 3

00:31:18 Mike Shaughnessy: Divisible by 2 and 3

00:31:18 Liz Swerling: they are multiples of 2 and 3

00:31:19 Bonnie Angel: even

00:31:19 Noe Eugenio: both multiples of 2 and 3

00:31:20 Ronald Austria: divisible 2 and 3

00:31:20 JENNIFER GALVIN: they have to be divisible by 2 and 3

00:31:20 Justin Klinger: increases by 30

00:31:21 Gloria Flores: by 30

00:31:21 Edna Rioveros: increase by 30

00:31:22 Janice Magauay: increases by 30 vertically

00:31:22 Stephenia Courtney: divisibility rules of 5 and 10

00:31:22 tani molina: divisible by 2 and 3

00:31:24 Jacob Waxenberg: If you add the two digits then it is a multiply of 3

00:31:24 Sabrina Wesley: Even numbers

00:31:24 LaWanda Speas: increase by 10

00:31:25 Kari Eggink: Both 2 and 3 numbers appear

00:31:25 Durrell Lewis: no odd values

00:31:25 Flora Wright: 2 and 3

00:31:27 Chris Marshall: increase by 30 in the columns

00:31:27 Lori McDevitt: evens

00:31:27 Jewelyn Williams: divisible by 2 and 3

00:31:30 Emerson Roman Sanchez: only even numbers

00:31:31 Michelle Webb: divisible by 3

00:31:32 Robin Alves: Increases by 30 again

00:31:33 Emily Kavanagh: 3,5 and 5,3

00:31:34 Julianna Messineo: Since 6 is divisible by 30, these go up by 30's in the columns

00:31:36 Nora Marasigan: the shaded numbers are multiples of 6 therefore they are divisible by both 2 and 3

00:31:36 Konnie Guthrie: They are divisible by 2 and 3. Every other multiple of 3 is divisible by 6.

00:31:38 Sharlena Cooks-Fahngon: divisible by 2 and 3

00:31:39 Delores Rushing: All even numbers of three

00:31:49 Emily Kavanagh: By 12s

00:31:50 Robin Alves: Increases by 30 again

00:31:52 Deniz Çakır: divisible by both 2 and 3

00:31:52 Mary Keane: 12

00:32:05 Veronica Kwok: It would be cool to do this activity with transparencies to see overlaps by literally overlapping. I wonder if that will be more confusing or if that would be helpful

00:32:13 Robin Alves: So will the 7 sheet increase by 20?

00:32:14 Doreen Ho: Comparing between the sheets.

00:32:15 Amy Tucker: I used to do this with transparencies!

00:32:18 Maryn Foote: of course. . .pattern between the sheets. . brilliant

00:32:18 Danielle Portocarrero: next one will increase by 20

00:32:20 Amy Tucker: It was SO COOL

00:32:22 Stephenia Courtney: even and adding 30

00:32:22 Lora Deiter: Add the digits from top to bottom. 1st column is 3, 6, 9. 2nd column is 6, 9, 12. 3rd column is 6, 9, 12, 15. Moves up by 3.

00:32:22 Annette Holloway: great idea veronica!

00:32:29 Betsy Smith: If you have factors of 2 and 5 only you get differences of 10

00:32:33 Maryn Foote: nope

00:32:33 Christina Hall: It's not fun!

00:32:35 Heidi Nunes: 7 will increase by 70 (LCM of 7 and 10 is 70).

00:32:39 D Leger: steep incline

00:32:39 Julianna Messineo: I forget it

00:32:49 Maryn Foote: 7 tens

00:32:49 Ellen Williams: Last 2 digits are divisible by 7

00:32:50 Catherine Bronikowski: it's ugly

00:32:52 Elaine Everts: Inc by 70 vertically

00:32:54 Mary France Oliveros: it increases by 70

00:32:55 Joseph Kantrowitz: double the ones digit and subtract from remainder of number. if that number is divisible by 7, the whole thing is

00:33:02 Emily Graff: prime

00:33:04 Durrell Lewis: 21s diagonally

00:33:05 Robin Alves: Increases by 21?

00:33:17 Kerry Lindo: increase by 40

00:33:20 Heidi Nunes: LCM of 8 and 10 is 40

00:33:21 Chris Marshall: by 40

00:33:29 Julianna Messineo: The smallest multiple of 10 that has a factor of 7 is 70

00:33:30 Susan Creenan: up by 40

00:33:31 Joseph Kantrowitz: 3 digits divisible by 8

00:33:31 Gloria Flores: by 40

00:33:32 Mary France Oliveros: it increases by 40

00:33:32 Maryn Foote: 4 tens

00:33:33 Elaine Everts: inc by 40

00:33:37 Betsy Smith: This is based on powers of 2 and 5.

00:33:41 Mary Keane: column change is 40

00:33:44 Robin Alves: Increases by 40

00:33:45 Annette Holloway: diagonal left increases by 12

00:34:01 Jeanette Hogan: LCM of 8 and 10 is 40 goes up by 40

00:34:05 Dian Kurniawan: add by 40 and add by 8

00:34:15 Stephenia Courtney: Divisibility rule of 4 and adding 40

00:34:21 maria coleman: hi

00:34:22 Ann Wycoff Bagshaw: Moving down on the grid, the number must be a multiple of 10 and it is the lowest common multiple of 10 that the number goes into.

00:34:30 Maryn Foote: digital sum again!

00:34:30 Konnie Guthrie: The rule for 8 is if the last 3 digits are divisible by 8. If you can divide it by 2 three times the number will be divisible by 8,

00:34:32 Kathleen May: The digits add up to 9

00:34:32 Heidi Nunes: LCM of 9 and 10 is 90

00:34:38 Kerry Lindo: multiples = 9

00:34:40 Gloria Flores: by 90

00:34:44 Kerry Lindo: sum of multiples

00:34:45 Lynda Wilder: sum of digits is 9

00:34:48 Elaine Everts: diagonals add to 9

00:34:52 Ronald Austria: the sum of the digits of a number is divisible by 9

00:34:53 LaWanda Speas: by 9

00:34:56 Katie Gibson: LCM of the given factor and 10 gives you the repeating pattern

00:34:59 Mary France Oliveros: its sum is 9

00:35:14 Maryn Foote: 81 , 18

00:35:16 Konnie Guthrie: If you add any two multiples of a number you will get another multiple of that number.

00:35:17 Robin Alves: For the 9 sheet would it be better to have an extended sheet past 100 to see the pattern.

00:35:19 Karen Thomas: Tens place increases by one as the ones place decreases by 1

00:35:20 Nora Marasigan: the sum of the digits of the shaded numbers is 9, 99 is 18 but still divisible by 9

00:35:20 Maryn Foote: 72, 27

00:35:21 Arika Collins: sum of digits = 9

00:35:22 Ann Wycoff Bagshaw: All the digital roots add up to 9

00:35:23 Stephenia Courtney: if it is divisible by 3 than it is also
divisible by 9

00:35:27 Mary Keane: digits add to 9 up to 90

00:35:31 Susan Creenan: The sums are 0 exept 99

00:35:34 Mike Shaughnessy: For 7: $2a + 3b + c$ for three digit abc

00:35:56 Joseph Kantrowitz: ends in -00

00:36:03 Durrell Lewis: wonder if prime factorization plays a role

00:36:05 Durrell Lewis: ?

00:36:27 Maryn Foote: $10 + 1$

00:36:28 maria coleman: ok

00:36:36 Maryn Foote: $10 + 2$

00:36:39 Susan Creenan: down one over 2

00:36:44 Stephenia Courtney: down and over

00:36:45 Ronald Austria: divisible by 3 and 4

00:36:50 Kerry Lindo: increase by 60

00:37:07 Ann Wycoff Bagshaw: The idea of down 1, over 2 allows you to
focus on place value

00:37:09 Arika Collins: 1 ten + 2 ones

00:37:11 Stephenia Courtney: add 60

00:37:28 Jacob Waxenberg: What do you mean it increase by 60

00:37:39 Tara Militello: The difference on the 6 sheet was 30 and the
difference on the 12 sheet is 60. 12 is the double of 6 and 60 is the double of 30

00:37:40 Maryn Foote: Ha. . .I need five minutes to process. . .LOL

00:38:17 Veronica Kwok: This reminds me of modular mathematics and a problem
from Sun Tzu

00:38:31 Durrell Lewis: depends on the grouping after six?

00:38:38 Maryn Foote: We need to bring modular math to CA

00:38:40 Lynda Wilder: grouping

00:38:44 Jacob Waxenberg: I heard of this before but forget

00:38:47 Jacob Waxenberg: forgot

00:39:01 Kari Eggink: 49 eggs

00:39:04 Elizabeth Downing: odd

00:39:04 Rebecca Weston: Odd number

00:39:05 mike murphy: odd

00:39:06 Lora Deiter: It's an odd number

00:39:07 Lori McDevitt: odd

00:39:08 LaFonda Sherrill: odd

00:39:11 Mike Shaughnessy: It's on a white column

00:39:15 Laura Hope: odd

00:39:15 Emily Graff: 12×7

00:39:17 Pamela Goodwin: odd #

00:39:18 Elaine Everts: odd number

00:39:22 mike murphy: not div by 3

00:39:23 LaFonda Sherrill: not a multiple of 3

00:39:23 Rebecca Weston: Number is not divisible by 3

00:39:26 Joseph Kantrowitz: divisible by 7

00:39:28 C Brandstetter: has to be in the white from the two tables

00:39:30 Ann Wycoff Bagshaw: Digital route of 4, 7, or 10

00:39:32 Kerry Lindo: not in the ist diagonal

00:39:44 Julianna Messineo: 7

00:39:44 JENNIFER GALVIN: its an odd number
00:39:45 Emily Graff: 7
00:39:46 Becky Duprey: 7
00:39:46 Elizabeth Downing: 7s
00:39:46 Robin Alves: Dividing by 3 and 4 there is a remainder of 1
00:39:47 Ginger Miller: 7
00:39:47 Durrell Lewis: 7
00:39:47 Mary Keane: 7
00:39:48 R. Weaver: The 7s grid
00:39:48 Danielle Portocarrero: 7
00:39:48 Paige Kavanaugh: 7
00:39:51 Kimberly Bender: 7
00:39:53 Emily Graff: prime
00:39:54 Becky Duprey: none left over
00:39:54 Mary Keane: no remainders
00:39:54 Patti Gawronski: 7
00:39:55 Kerry Lindo: 7 th
00:39:58 Steven Jarowski: 5 and 7 grids
00:39:58 Ginger Miller: Its a multiple of 7
00:39:58 Rebecca Weston: It has to be one of those answers
00:39:59 Janice Magauay: Which ever was shaded in the 7th grid
00:40:00 R. Weaver: She made equal groups with 7s
00:40:01 Fevi Rahmawati Suwanto: 7
00:40:03 LaWanda Speas: 7
00:40:03 Lora Deiter: You look for odd that is one more than a 4
00:40:03 Melanie Doody: no left ofvers, so it's a multiple of 7
00:40:03 Lynda Wilder: none left overe
00:40:05 Denika Gum: Just divide by 7!
00:40:05 Tara Militello: You can see the odd multiples of 7
00:40:05 Paula Wardell: 7
00:40:05 Elaine Everts: 7grids
00:40:05 Durrell Lewis: exactly
00:40:06 Kerry Lindo: u can see the multiples of each digit
00:40:08 Katie Gibson: 91
00:40:10 Julianna Messineo: Trying to find a number one more than a
number ending in 5 or 10
00:40:10 Denise Quarles: I can go through the numbers and consider all the
multiples of the numbers.
00:40:11 Betsy Smith: the 5s grid tells us the last digit is 1 or 6
00:40:12 Kendra Edwards: 5
00:40:13 JENNIFER GALVIN: it has to be a number on the 7 grid shaded
that is not gridded on others
00:40:14 dana dulzo: overlay all the grids
00:40:20 Durrell Lewis: what about 5
00:40:20 Kari Eggink: 49
00:40:21 gail kilbourn: 84
00:40:25 Judy Gerwe: Judy no eggs left over multiple of 7
00:40:26 Joseph Kantrowitz: ends in 5 or 0
00:40:26 Karen Thomas: 49
00:40:28 mike murphy: ends it 6 or 1

00:40:28 Heather Bolton: 49
00:40:29 DawnMarie Gaghan: 49
00:40:30 Bertha Reyes-Pond: no remainder
00:40:31 Becky Duprey: two columns
00:40:32 Lori McDevitt: ones digit is either a 1 or 6
00:40:32 Joseph Kantrowitz: ends in 1 or 6
00:40:33 Danielle Portocarrero: 21
00:40:34 Denise Quarles: 21
00:40:35 Betsy Smith: The ones digit is 1 or 6
00:40:36 Julianna Messineo: 91 will have 3 left over in groups of 4
00:40:37 Roberto Marquez: ends in 1 or 6
00:40:38 Denika Gum: $91 \dots 13 \times 7$
00:40:40 Erin Meunier: 1st or 6th column
00:40:41 Durrell Lewis: one column or 6
00:40:42 Carolina Vix: It is 49
00:40:42 Danielle Portocarrero: no
00:40:42 Melanie Doody: no
00:40:42 Leah McCombs: ends in 1
00:40:42 John Simons: One more than 10
00:40:43 Durrell Lewis: no
00:40:43 Rebecca Weston: No – must be odd
00:40:44 Ginger Miller: 56
00:40:44 Joseph Kantrowitz: no cant be even
00:40:44 Lori McDevitt: no must be odd
00:40:44 mike murphy: no, just 1
00:40:44 LaFonda Sherrill: no
00:40:45 Melanie Doody: it's odd
00:40:45 Debbie Grady: no
00:40:45 Ann Wycoff Bagshaw: 91 ...
00:40:46 Patti Gawronski: no
00:40:47 JENNIFER GALVIN: no bc that's even
00:40:47 Liz McClenaghan: no
00:40:47 Gail Dean: no
00:40:47 Durrell Lewis: it need to be off
00:40:47 Gloria Carrasco: 49, 77, 91
00:40:47 John Simons: Ends in 1
00:40:48 Ramona Hall: no 6 is even
00:40:48 Durrell Lewis: odd
00:40:49 Tara Militello: There's only one possible answer with that info
00:40:49 Elizabeth Downing: ends in 1 only
00:40:49 Mary Keane: no
00:40:50 Lori McDevitt: so must end in a 1
00:40:50 Marlene Naquin: all even # not those are even
00:40:50 Paula Wardell: no, odd
00:40:51 Kimberly Bender: no
00:40:52 Carolina Vix: it must be odd
00:40:55 Elaine Everts: can't be even
00:40:56 mike murphy: 21 or 91 or way big
00:40:58 Michelle OLeary: 91 does not work with 4
00:40:59 LaWanda Speas: no

00:41:00 Tara Militello: 91
00:41:01 Marlene Naquin: can't be a multiple of 4
00:41:04 Durrell Lewis: 91!
00:41:06 Dawn Blackwell: 35
00:41:08 Danielle Portocarrero: 21 or 91
00:41:09 Sharon Dawkins: 91
00:41:10 Gail Dean: 91
00:41:10 Christina Temnycky: 51
00:41:11 Leah McCombs: 91
00:41:12 Jacob Waxenberg: 21 or 91
00:41:12 Cheryl Ferrell: 21
00:41:13 Ginger Miller: 91
00:41:13 Charlene Bische: 21
00:41:14 Sheila Kirton-Robbins: 91
00:41:19 Fardowsa Mahdi: 91
00:41:19 Lora Deiter: 91 would not have 1 left over in a group of 4
00:41:21 Heide Kaminski: 91
00:41:21 Tara Militello: 21 is a multiple of 3
00:41:21 Stephenia Courtney: 91
00:41:23 Lori McDevitt: 21 is a multiple of 3 so that can't be it
00:41:25 Kendra Edwards: 49
00:41:26 Leah McCombs: can not be 21 because it is a multiple of 3
00:41:26 Carolina Vix: eliminate the numbers that do not match the 7 sheet
00:41:28 Mary France Oliveros: 91
00:41:28 Jonna Alexander: it can't be 21 because it's on the 3 sheet
00:41:29 Tammy Lackey: cant be 21
00:41:30 Katie Gibson: can't be 21 because 21 is a multiple of 3
00:41:33 Flora Wright: 21
00:41:34 Christina Temnycky: 51
00:41:37 Victoria Simmons: 21
00:41:41 Liz McClenaghan: 21
00:41:45 Tammy Lackey: can be 21
00:41:47 Becky Duprey: Can't be 21 either.
00:41:47 Kerry Lindo: can't be 21
00:41:47 Lora Deiter: 61
00:41:49 Chris Marshall: 7
00:41:51 Emily Graff: Not 21
00:41:52 Erin Meunier: cant' be 21
00:41:53 Joseph Kantrowitz: 61
00:41:55 Melissa Campbell: 51 is divisible by 3
00:42:00 MEI OH: 161
00:42:00 Shelley Jarvis: 61
00:42:02 Cindy Bryant: 61
00:42:07 Marlene Naquin: no 35
00:42:11 Mary France Oliveros: 161
00:42:12 Tammy Lackey: nope not on grid
00:42:14 Emily Graff: 61 not shaded
00:42:15 Ramona Hall: 161
00:42:16 Stephenia Courtney: 61
00:42:19 Elizabeth Downing: not 61; not divisible by 7

00:42:23 Maryn Foote: functions
 00:42:27 Tara Militello: 141?
 00:42:30 Maryn Foote: rates of change
 00:42:33 mike murphy: Have students code and use modulus!
 00:42:41 Jacob Waxenberg: 361
 00:42:42 MEI OH: 161
 00:42:44 Kelli Freiwald: 161
 00:42:46 Becky Duprey: 161
 00:42:51 Lynda Wilder: 231
 00:42:52 Chris Marshall: 1001
 00:42:55 Bill Prince: 181
 00:43:08 Kari Eggink: Why doesn
 00:43:15 John Sasko: yes 181
 00:43:16 Tanya Landry: 301
 00:43:19 Kari Eggink: Why doesn't 49 work?
 00:43:22 Mary Walizer: 161!
 00:43:26 Kerry Lindo: 231 is a multiple of 3
 00:43:27 Rachel Hauser: 301
 00:43:29 Emily Graff: Has to end in one
 00:43:30 Erin Meunier: what a great tool!
 00:43:30 Sabrina Wickens: 301
 00:43:31 John Sasko: Has to end in 1
 00:43:32 Julianna Messineo: 301?
 00:43:35 Kelli Freiwald: do a lot of you still use the term reduce.....just
 wondering...
 00:43:39 Emily Graff: By divisible by 7
 00:43:43 Kerry Lindo: 301?
 00:43:44 Liz McClenaghan: 49 is not 1 away from a mulitple of 5
 00:43:53 Tammy Lackey: 49 doesnt work for 5s with 1 left over
 00:43:55 Heather Bolton: why does it have to end in one
 00:44:17 Dawn Joy: I thought 77?
 00:44:20 Erin Meunier: what a great strategy!
 00:44:24 Sharon Black-MacKinnon: 231?
 00:44:31 Sarah Schultz: I always use the term simplify.
 00:44:32 Alicia Kaplan: I love this, what a great strategy for simplifying
 fractions.
 00:44:46 Joseph Kantrowitz: common multiples
 00:44:48 Lynda Wilder: simplify
 00:44:48 Becky Duprey: That's great!
 00:44:48 John Sasko: SIMPLIFY - not reduce!
 00:44:59 JENNIFER GALVIN: only numbers ending in 1 or 6 are one step
 away from 5 but 6 is even so 2 will work. That only leaves 1
 00:45:02 Stephenia Courtney: simplify instead of reduce
 00:45:02 Tara Militello: Looking for the GCF to simpify
 00:45:07 Tara Militello: simplify
 00:45:08 mike murphy: 721??
 00:45:13 Julianna Messineo: In order to have one left over it has be one
 more than a multiple of 5 which would either be numbers ending in 6 or 1. But if
 they end in 6 they won't have one left over when divided by 2.
 00:45:20 Alicia Kaplan: very handy for the visual learner

00:45:22 GERONE ATIENZA: a blessed day watching from saudi arabia

00:45:36 Lynda Wilder: love hundred boards

00:45:37 Anne-Marie Pratt: My son is struggling with reduction of fractions.

00:45:39 Mark Fili: John Sasko ... I see you!

00:45:52 Anne-Marie Pratt: I think that will be so helpful. He is in the 4th grade.

00:46:02 Mike Shaughnessy: Prefer using the term 'equivalent fraction' or 'equivalent expression'. "simplify" is very ambiguous in algebra. It should be removed from our math usage.

00:46:18 Konnie Guthrie: I would like to reduce my weight. This implies shrinking. Simplifying is an equivalence.

00:46:23 Rebecca Weston: Use the word "simplify" instead of "reduce" as we're not reducing the value – and students mix that us.

00:46:23 Sarah Schultz: Equatio is GREAT for math type on Google apps! It's free for teachers!

00:46:34 Kelli Freiwald: the multiplication chart is a great tool for equivalent fractions and simplifying fractions....

00:46:34 Durrell Lewis: 28\
00:46:39 Durrell Lewis: 56

00:46:44 Patti Gawronski: 2401?

00:46:45 Konnie Guthrie: Too many books and resources use "reduce" . I wish they did not.

00:46:45 Veronica Kwok: There is an equation thing on Google Docs which I don't remember if is there in Google Slides – you have the option to make the fractions the way you want to look (but the font is really tiny)

00:46:46 Durrell Lewis: 84

00:46:49 Emily Graff: least

00:47:03 Lisa Chang: 301?

00:47:08 Stephenia Courtney: find the GCF to simplify the fraction.. T-chart that show all of the factors also help with simplifying

00:47:10 Marlene Naquin: yes simply not reduce.. simply renames, or states the fraction

00:47:14 Heidi Nunes: 301

00:47:21 Robin Alves: Thanks Mike Shaughnessy that's an interesting thought.

00:47:34 Elaine Everts: 28,56, and 84

00:47:45 Chris Marshall: 301

00:47:48 Becky Duprey: Gives them a visual

00:47:49 Robin Alves: Veronica there is not math equation tool on slides.

00:47:51 Chris Marshall: is my final answer

00:47:56 Sarah Schultz: Equatio is a Google Add On that is free for teachers. It makes it super easy to type math in Google

00:48:13 Christina Sohn: is there a website, where we can make transparency?

00:48:23 Erin Meunier: this makes sense - - thank you!

00:48:27 Elizabeth Downing: Document camera

00:48:33 Tara Militello: Is there a link to the color coded versions of your grids?

00:49:22 Emily Graff: Yes I'd love the colored grids too!

00:49:52 Christina Sohn: is there a ppt that we can follow?

00:49:52 Cindy Bryant: Has to be evenly divisible by 7; can't be 61.

00:49:52 Elizabeth Downing: prime numbers

00:49:56 Justin Klinger: primes!!!

00:49:59 Deniz Çakır: prime numbers

00:50:00 Sabrina Wickens: I have used the 100 grade to identify the prime numbers.

00:50:07 Konnie Guthrie: Mathigon has this Sieve in a digital form.

00:50:09 Elaine Everts: Primes

00:50:12 Katia Amaral: Sieve of Erastosthenes

00:50:13 Robin Alves: Sieve of Eratosthenes

00:50:28 Lynda Wilder: I use clear small circle to put on the grids. That way they see where the multiples overlap.

00:50:31 Emily Graff: Where the numbers fall though

00:51:05 Deniz Çakır: eratosthenes

00:51:15 Christina Sohn: ^ yes! I love that youtube

00:51:24 Lynda Wilder: sieve of eratosthenes

00:51:26 Konnie Guthrie: I ask them "What do you notice? What else do you notice?" We develop divisibility rules at the same time we do the sieve.

00:51:36 Christina Sohn: sieve of eratosthenes!!

00:51:46 Ronald Austria: factoring

00:51:47 Durrell Lewis: factors of 36 that add to 13

00:51:55 Durrell Lewis: overlays can help

00:51:58 Sara VanDerWerf: Morgan Fierst is the best

00:52:03 Christina Sohn: add to 13 and factors of 36!

00:52:09 Stephenia Courtney: factors

00:52:10 Ellen Metzger: $(x + 4)(x+9)$

00:52:11 Jacob Waxenberg: $(x+4)(x+9)$

00:52:14 Ronald Austria: factoring the last term

00:52:18 JENNIFER GALVIN: multiplies to c and adds to b

00:52:27 Emily Graff: $x^2 - 9$ $x^2 + 9$

00:52:28 Bethany Morton: We use an area model (rectangle & diamond) method.

00:52:32 Katie Gibson: $(x+9)(x+4)$,

00:52:32 Delores Rushing: The Sieve of Eratosthenes

00:52:42 Stephenia Courtney: 9 and 4

00:52:44 Becky Duprey: That's a great way to make connections all the way back.

00:52:47 Heidi Nunes: I love this chart....

00:53:09 Robin Alves: Nice connect to square root

00:53:13 Elizabeth Downing: I do factor pairs in rainbows with my kids and would likely lay out in same way on grid

00:53:14 Cheryl Lowery: I love this chart

00:53:15 Victoria Simmons: nice chart

00:53:21 LaFonda Sherrill: love the chart

00:53:23 Bethany Morton: multiplies to be -72 and adds up to -21

00:53:24 Ellen Metzger: 3 and 24

00:53:26 Chanelle Houston: great chart!

00:53:36 Bethany Morton: 3 and -24

00:53:40 Christina Siow Young: This is a great chart!

00:53:44 Elaine Everts: This is cool

00:53:49 Susan Creenan: Awesome chart for Algebra

00:53:50 Heidi Nunes: Algebots are fun!!
00:53:50 Laura Hope: Love this chart. helpful for 5th grade and for my high schooler
00:53:58 Elaine Dupree: this is really great stuff
00:54:05 Gail Dean: interesting
00:54:22 Konnie Guthrie: The factor pairs chart is a nice tool.
00:54:32 Emily Graff: Same amount
00:54:52 Emily Graff: 810
00:55:45 Deniz Çakır: find the answer by using equations
00:56:08 India Puch: This would be great for bell work. A great starter piece. To get them engaged. Love it!
00:56:21 Maryn Foote: add opposites
00:56:35 paloma carrera: nice
00:56:39 Becky Duprey: This is great with a calendar as well.
00:56:43 Deniz Çakır: You can use this on calendar
00:56:44 Sandhya Raman: Wow, I love this...my 2E kids will love this
00:56:58 Marlene Naquin: @Maryn yes
00:57:04 Maryn Foote: definitely making use of structures and repeated reasoning
00:57:06 Durrell Lewis: so cool
00:57:15 Marlene Naquin: @Denz fun on a calendar
00:57:17 Julianna Messineo: Does it simplify to $10x + 20$?
00:57:19 Emerson Roman Sanchez: $10x + 20$
00:57:21 Mohamed T: Awesome
00:57:21 Robin Alves: Is it x times $10 + 20$?
00:57:22 Jennifer Coe: Yes I think so too
00:57:22 Victoria Simmons: nice pattern
00:57:25 Lori McDevitt: 490! several cancel each other out
00:57:25 Joseph Kantrowitz: $10x + 20$
00:57:30 Konnie Guthrie: $8x + 20$
00:57:31 Cindy Bryant: For everyone on the Zoom to see your chat posts, you need to change your chat setting to All panelists and attendees
00:57:33 Joseph Kantrowitz: cool
00:57:38 Robin Alves: That is so cool.
00:57:39 Elaine Everts: $10x + 20$
00:57:41 Lori McDevitt: very neat
00:57:41 Jacob Waxenberg: This is amazing.
00:57:42 Emerson Roman Sanchez: Love it!!!!!!!
00:57:51 Gail Dean: $10x + 20$
00:57:52 Cheryl Ferrell: great
00:57:56 Danielle Bentley: Love this!
00:57:56 Ellen Metzger: That is very cool!
00:57:58 Mary France Oliveros: its cool and amazing
00:57:59 Stephenia Courtney: awesome
00:58:04 Heidi Nunes: I wonder what would happen if "x" was the head block instead? Have them play with it and see...
00:58:05 Sharon Dawkins: That's great
00:58:11 Chris Marshall: really cool my kids would love this
00:58:13 Konnie Guthrie: yes $10x$ plus 20
00:58:14 Becky Duprey: Yes....and when you use a calendar it changes a bit.

Good extension once they see this.

00:58:22 Tara Militello: It's so hard not to play with this right now.
00:58:26 Alana Roberts: Great activity!
00:58:33 Firoza Rahman: this is actually a pretty cool idea
00:58:37 Konnie Guthrie: i like the extension
00:58:40 Heidi Nunes: This is great!
00:58:42 Sandhya Raman: Very very cool...
00:58:44 Lori McDevitt: $10X + 10$
00:58:58 Maryn Foote: you can change the focus number to see if the same expression is transformed to a simpler form
00:59:01 Emily Kavanagh: This is awesome
00:59:01 Elizabeth Devereaux-Cox: the X is 9?
00:59:03 Cynthia Brunk: I had no idea there were a many options with 100 grids!!
00:59:07 Elizabeth Downing: Bottom one is $9x$
00:59:11 Lori McDevitt: $10X + 1$?
00:59:18 Jacob Waxenberg: Use 37
00:59:18 Christina Sohn: 36!
00:59:22 Elizabeth Downing: with x being 64
00:59:23 Emerson Roman Sanchez: how do you know where to place "x"? Is it the median?
00:59:27 Dr. Yankey: $10x+20$
00:59:34 Jacob Waxenberg: or 36
00:59:44 Julianna Messineo: If $x=36$ the equation is $10x+7$
00:59:53 Becky Duprey: Great way to get them talking about the beauty of patterns in math.
01:00:15 Konnie Guthrie: This is great because even if they pick a different number each will get an equivalent expression.
01:00:18 Tara Militello: This would be great to do in my 6th grade honors class
01:00:19 Robin Alves: Can they make any shape of 10 squares?
01:00:22 DawnMarie Gaghan: I love this
01:00:25 Christina Sohn: -10
01:00:29 Emily Graff: $X-10$
01:00:31 Emerson Roman Sanchez: $x - 10$
01:00:33 Marlene Naquin: $x-10$
01:00:35 Christina Sohn: $x-20$
01:00:41 Emily Graff: $x=20+2$
01:00:41 JENNIFER GALVIN: $x + 22$
01:00:42 Tara Militello: $x+23$
01:00:42 Christina Sohn: $x+22$
01:00:44 Heidi Nunes: $x+20+2$
01:00:45 Ellen Metzger: $x + 20 + 2$
01:00:45 Lora Deiter: $x+22$
01:00:46 Christina Temnycky: $x+23$
01:00:46 Elizabeth Downing: $x+22$
01:00:47 Emerson Roman Sanchez: $+ 2'0 + 2$
01:00:47 Elizabeth Devereaux-Cox: $x+22$
01:00:48 Sandhya Raman: I'm sooooo addicted to this now!
01:00:48 Christina Sohn: down 20 over 2

01:00:49 Tara Militello: $x+22$
 01:00:50 Durrell Lewis: $x+22$
 01:00:50 Pamela Snook: $x+22$
 01:00:51 Susan Creenan: $x+22$
 01:00:54 Elizabeth Downing: Down two tens, over two ones
 01:00:55 Joseph Kantrowitz: $x+22$
 01:00:56 Dr. Yankey: $10+22$
 01:01:00 Christina Sohn: WE CAN CONNECT IT AS A COORDINATE PLANE!!! :O
 01:01:05 Christina Sohn: *mind blown*
 01:01:05 amanda Helgerson: yes!
 01:01:06 Lori McDevitt: everyone should have rigorous math!!
 01:01:07 Marlene Naquin: @sandhya yes
 01:01:07 Maryn Foote: every student low floor high ceiling
 01:01:11 Becky Duprey: Yes....it becomes a low floor high ceiling task.
 01:01:12 Elizabeth Devereaux-Cox: I saw the coordinate plane
 connection, too!
 01:01:12 Stephenia Courtney: $x - 20$
 01:01:21 Sandhya Raman: And its such a great Segway into quadratics
 01:01:23 Emerson Roman Sanchez: Can't wait to do this activity
 01:01:27 Robin Alves: That is amazing.
 01:01:27 Emily Graff: Transformation too
 01:01:37 Kathleen May: Thinking maybe could help with the concept of
 consecutive integers
 01:01:39 Elaine Everts: This is really cool
 01:01:40 Bobby Flores: $E=10x+7$?
 01:01:43 Chris Marshall: Can you send this activity with instructions
 01:01:46 Lori McDevitt: $9x$
 01:01:48 Dawn Joy: To add quickly can they pair up opposite integers
 for less adding/subtracting?
 01:01:51 Joseph Kantrowitz: $9x$
 01:01:51 Emily Graff: Vertical shift and horizontal
 01:01:52 Heidi Nunes: Would have to be careful with saying "over" instead
 of left or right
 01:01:56 Maria Dolores Estravez: It's a cool activity. Helps build
 critical-thinking skills!
 01:01:58 Lori McDevitt: these are fun!
 01:02:04 Dr. Yankey: $9x$
 01:02:12 Mary France Oliveros: This is a great activity
 01:02:13 Heather Bolton: Can we get access to this activity. Great lesson
 01:02:17 Konnie Guthrie: As the students generalize the pattern and write
 variable expressions to go with them this builds wonderful algebraic reasoning. I
 love this and will use this.
 01:02:23 Ellen Metzger: That's what I did
 01:02:23 Stephenia Courtney: $9x$
 01:02:31 Ellen Metzger: 576
 01:02:31 Kelli Freiwald: how would you use it with the coordinate plane?
 01:02:41 Joseph Kantrowitz: 576
 01:02:47 Dr. Yankey: $9x$
 01:02:48 Emily Kavanagh: I did a beginning of the year activity similar to
 this

01:02:51 Kari Eggink: 576
01:02:59 Leslie Krefta: 586
01:03:00 Becky Duprey: Children in grade 5 could do this....they may not write the equations but they could do this.
01:03:13 Maryn Foote: critical thinking skills
01:03:23 Cindy Bryant: Please change your chat setting to All panelists and attendees if you want everyone to see your comments.
01:03:23 Konnie Guthrie: Number sense over tricks any day of the year.
01:03:26 Elaine Dupree: This is great for my algebra students
01:03:41 JENNIFER GALVIN: Standards Math Practice - look for and make use of structure
01:03:46 Elena Contreras Gullickson : It's what we used to create all the grids on this
01:04:01 Elena Contreras Gullickson : There are several manipulatives there
01:04:05 Dr. Yankey: my Algebra 1 Students are doing same thing
01:04:06 Maryn Foote: Love Brad Fuller and Lombard's work!!!
01:04:51 Denise Quarles: Please post link to last resource in comments..
01:04:55 Steven Jarowski: 301, 721, 1141
01:04:56 Kathleen May: I loved this ! Great ideas
01:05:02 Heidi Nunes: woot woot
01:05:06 Christina Sohn: do we have access to the ppt???
01:05:08 Sandhya Raman: 301...woot woot
01:05:26 Ellen Metzger: I'm wondering about how you could use prime factors to figure out that it is 301 ??
01:05:37 Elena Contreras Gullickson : Yes, we'll share the slides
01:05:44 Emily Graff: I'm sure you could @Ellen
01:05:45 Sandhya Raman: Oooo...Ellen...great question
01:05:57 Cynthia Brunk: This is great stuff! Thank you! I will watch this recording again.
01:06:03 Maryn Foote: appreciate the graphc
01:06:06 Delores Rushing: Great presentation and wonderful information. Thank you so very much.
01:06:08 Danielle Bentley: Thank you! This was a wonderful presentation!
01:06:09 Elena Contreras Gullickson : brainingcamp.com for hundred grid
01:06:13 Rebecca Weston: Algebot article:
http://www.cmc-south.org/uploads/1/0/3/2/10324481/cmc-promotional-issue_communicator.pdf
01:06:19 Pamela: Thanks so much for a beautiful presentation and so useful!
01:06:20 Stacy Jurick: This was amazing! Thank you!
01:06:26 Danielle Bentley: Thank you for the article!
01:06:30 Becky Duprey: I can see grade 5 students doing the algebot activity and finding the patterns to solve. Have you tried it with students at the earlier level?
01:06:31 Nora Marasigan: Thank you so much.
01:06:39 Debbie Grady: Love the challenges you shared.
01:06:41 Anna Ingiosi: thank you!!
01:06:41 Emily Kavanagh: This was a fun presentation. Thanks so much.
01:06:44 Christina Hall: This is awesome, what a great tool for all students

to have, especially my students with IEP's,

01:06:46 Robin Alves: Where is the folder?
01:06:48 Alicia Kaplan: Thank you, this was a great presentation and I can not wait to use it with my students.
01:06:50 Lynda Wilder: Thanks for the information.
01:06:53 Jacob Waxenberg: I enjoy this presentation
01:06:58 Christina Sohn: how do you access ppt?
01:07:00 Janice Holland: thanks so much
01:07:00 Jacob Waxenberg: Enjoyed
01:07:02 Sherrie Morrison: Thank you- this is a great presentation!
01:07:02 Stephanie Treadwell: Thank you!
01:07:05 Sandhya Raman: I have to watch this again
01:07:06 Emily Graff: This was wonderful thank you!
01:07:07 Jeevitha D: thank you for the wonderful presentation
01:07:08 Elizabeth Downing: Do you hand out any partially filled for differentiation?
01:07:08 Sandhya Raman: Love this
01:07:09 Elizabeth Devereaux-Cox: Thank you!!!
01:07:09 ann: love the algebots!
01:07:11 TaMerra Wallin: Thank you!!!
01:07:12 Gwen Marlatt: Thank you!
01:07:12 India Puch: Thank you so much!!
01:07:13 Cheryl Lowery: Thanks so much
01:07:13 Phyllis Creech: Thank you!
01:07:14 Abdul Razak Othman: Great presentation
01:07:15 Anne-Marie Pratt: This has been awesome
01:07:15 HILARY OMOKAFFE: Thank you
01:07:16 MAHMOUD EZZ ELDEEN MAHMOUD PORAIY: WHAT THE CLEARLY DEFINITION OF EQUITY IN TEACHING MATHS ?

01:07:16 Edna Rioveros: Thank you....I enjoyed this webinar.
01:07:16 Beth Kobett: Wonderful!!!
01:07:16 Denise Quarles: Thank you1
01:07:18 Christina Sohn: where will the recording be posted??
01:07:20 Tessie Menta: Thank you so much!
01:07:20 Mary Dugas: Thank you!
01:07:21 Deniz Çakır: thank you!!
01:07:22 LaFonda Sherrill: Thank you!
01:07:23 Joseph Kantrowitz: this was cool
01:07:24 Robin Alves: This was so great! Thank you
01:07:24 Lori McDevitt: thank you!!
01:07:24 Linda Baker: Thank you! Great information!
01:07:24 Julie Leckman: Thank you!
01:07:25 Ann Wycoff Bagshaw: Thank you for your time.
01:07:25 Trena Wilkerson: Thank you so much! Great ideas and thinking strategies!
01:07:28 Christina Siow Young: This was great! It went by quickly!
01:07:29 Melissa Sherwood: Thank you!
01:07:29 Christa McLaughlin: thanks!
01:07:29 MAHMOUD EZZ ELDEEN MAHMOUD PORAIY: THANKS

01:07:30 Katerine Santana: Thank you for you teaching us about
Algebots!
01:07:30 dana dulzo: thank you so much, this has been awesome :)
01:07:30 ann: thank you !
01:07:31 SAPNA SHARMA: Thank You it was awesome
01:07:32 Mohamed T: Thanks !
01:07:32 Patricia Helmuth: Thank you!
01:07:33 Deb Crawford: Thank you!
01:07:33 Scott Kircher: Thank you
01:07:33 Scott Ing: thanks, pretty cool
01:07:33 Durrell Lewis: thank you!
01:07:33 Gail Dean: Some students may require premade-

01:07:34 Elaine Dupree: great I was going to ask you about the slides and
sheets; thanks
01:07:34 Kari Eggink: LOVED the alge-bots!
01:07:35 Fardowsa Mahdi: Thank you!
01:07:36 Marlene Naquin: This was awesome @
01:07:37 D Leger: This would really help with my students'
multiplication facts!
01:07:37 John Sasko: I love the idea of HOW the 100 Grid grows up. So
importnat tof rtools and representations to follow students as they progress through
the grades. THANK YOU!
01:07:37 Laura Partridge: Thanks - great problems.
01:07:37 Katia Amaral: Thank you. That was quick.
01:07:38 Ann Augustine: Thank you.
01:07:38 Glenda Escasinas: thank you
01:07:38 Sheila Kirton-Robbins: Thank you.
01:07:39 LaDonna Schwab: Thank you!
01:07:39 Liz McClenaghan: Awesome information, Thank you for sharing.
01:07:40 Elaine Everts: Thanks so much!
01:07:41 Lynda Wilder: Thank you.
01:07:42 Luz Rodriguez: Very useful, thank you!
01:07:42 Heidi Nunes: Thank you! Loved the activities :)
01:07:42 India Puch: Great presentation!
01:07:43 Jennifer Coe: Absolutely amazing - thank you for such a valuable
exploration
01:07:43 Joan Albers: Thank you!
01:07:44 Ken Samoyedny: Thank you
01:07:44 Emily Graff: Great ideas can't wait to put them to work with
students great challenges
01:07:44 Archita Vaghasiya: Thank you!!
01:07:44 Katerine Santana: I teach level 1 students and I will be using
this to help them create patterns
01:07:46 Dongsheng Zhang: Thank you.
01:07:47 Lanelda Todd: Thank you very much for your time! Very interesting
and exciting!
01:07:48 Maria Dolores Estravez: Thank you very much for sharing all these
with us.
01:07:48 Nicolle Williams: Thank you!

01:07:50 MAHMOUD EZZ ELDEEN MAHMOUD PORAIY: WHAT THE CLEARLY DEFINITION OF EQUITY IN TEACHING MATHS ?

01:07:50 Christina Sohn: I loved the patterns! Thank you so much!

01:07:50 Susan Hall: This will be a great way to start the year. Thank you!

01:07:51 LaWanda Speas: Thank you!

01:07:53 Louise Phillips: Loved AlgeBots

01:07:54 Diane Butka: Thank you I love this

01:07:55 C Brandstetter: This was great - thank you so much!

01:07:56 Laura Hope: I love this. I will have to introduce it to my students.

01:07:57 Dawn Joy: Thank you, I think this will help my lower students in the 6th grade

01:07:57 tracey simmons: I came 30 minutes late but loved what I saw. I'll be watching the entire presentation when it is available!

01:07:59 Daniel Irving: Thank you for this incredible presentation and resources!

01:08:01 Emily Graff: Please put in chat

01:08:04 Robin Brockmiller: thank you.. I did a lot of listening and writing down patterns. Never used this before! Very interesting.

01:08:04 Arika Collins: great strategies! students will enjoy! thanks!

01:08:06 Victoria Simmons: great resource

01:08:06 ALICIA PARUGINOG: thank you so much! great presentation

01:08:07 Anastasia Alexiou: Thank you this was great!

01:08:08 Justin Klinger: Thank you.

01:08:18 Anne Marie Hohman: Thank you!

01:08:18 Susan Bardenhagen: Love the tree cartoon, including justice, too.... especially given what's happening in US right now...

01:08:20 Chris Marshall: Thank you ,I really enjoyed this webinar. I can really use this in my special education class

01:08:20 Lawanda Mahomes: Thank you! I love it!

01:08:21 Marlene Naquin: I am going to have my elementary math ed students preview it so we can do some activities together when we get to the section

01:08:22 Maryn Foote: thank you for sharing

01:08:23 Victoria Simmons: thank you

01:08:27 Stacey Zindle: I got some great ideas! Thanks!

01:08:29 Stephenia Courtney: This was GREAT!!!! Thank you SO much!!! WOOT WOOT 🙌🙌🙌🙌👍👍👍👍

01:08:30 Gloria Carrasco: Thank You, I can definitely see me using this in my Math A class in High school!

01:08:30 April Sterbin: Thank you so much - so important for the exposure and use of hundred charts at the younger grades!!!!

01:08:37 Jennifer Knudsen: how do you ask a third grader to fill in, say, the 3d chart?

01:08:39 Lynda Wilder: Hundred boards are great for having number talks with your students. Great way to engage students

01:08:39 Sharon Black-MacKinnon: thank you so much!

01:08:40 Bertha Reyes-Pond: thank you, great session.

01:08:41 Sharon Dawkins: this was great thank you

01:08:41 Firoza Rahman: this was awesome
01:08:44 Mary France Oliveros: Thank You so much! Great presentation, Can't wait to use the activity
01:08:45 Lorie Huff: Thank Lesa and Elena you for this wonderful and helpful information. Thank you Chonda, Jen, Trena, Faith, Dave, and NCTM.
01:08:46 Firoza Rahman: thank you
01:08:46 Kimberly Brown: Thank you this has been most useful
01:08:47 Christina Capuano: This was really useful and interesting. I look forward to using it with my 6th graders.
01:08:47 JENNIFER GALVIN: Thank you for the time.
01:08:48 JOCELYN QUIMBO: Thank you!
01:08:49 Mary Keane: Thanks
01:08:49 Leslie Krefta: Thank you
01:08:49 Kate Reardon: Wow, this was fantastic, thank you so much!
01:08:49 Amy Castle: Thank you. Really enjoyed taking part
01:08:51 Yvette Martinez: thank you! loved the ideas
01:08:56 Chandra Brandel: Thank you!
01:08:57 Joy Goettel: Thank you
01:08:57 cindy: I think this would be great to extend the students' number sense. I loved the chart for factoring!
01:08:59 Chris Marshall: Are you sending the google folder info to the chat or our email?
01:08:59 D Leger: Thank you so much! So helpful and clearly presented!
01:09:01 Joy Feinauer: Thank you! Will definitely be using this for 5th-Algebra!
01:09:04 Nikesha Harris: Thank You
01:09:07 DawnMarie Gaghan: This was fun! Thank you!
01:09:13 Kristen Faust: Thank you!!
01:09:16 Barb Everhart: I love how these can be used for kids up into HS
01:09:19 Roberta Ludwigsen-Hill: Loved the use of hundreds grids! Thank you!
01:09:21 Melanie Mekalip: This was great! Watch out sixth grade!!
01:09:23 Joseph Kantrowitz: there is an interactive 100 chart on Smartboard
01:09:24 Angelita Beltran: Thank you!
01:09:27 Dorothy Groover: skip counting is awesome
01:09:29 MAHMOUD EZZ ELDEEN MAHMOUD PORAIY: WHAT THE CLEARLY DEFINITION OF EQUITY IN TEACHING MATHS ?

01:09:30 Becky Duprey: Thank you for some wonderful ideas. I appreciate your work. Be safe.
01:09:32 Dorothy Groover: great tool
01:09:32 Karin Keener: This made me think about a few things differently! Thanks!
01:09:33 Kerry Ellen Avery: When having students color the charts day 1 - how many charts do you hand out?
01:09:35 Heather Bolton: I love workshops where I walk away with great ideas that can be used right away. Thank you
01:09:40 Lance Brauchla: Thank you!!!!
01:09:44 Jet Yeung: Thanks the interesting information. Love the grids.

01:09:45 Veronica Kwok: My students are from all over – so more of them don't have basic arithmetic skills

01:09:45 Jennifer Knudsen: skip counting, that helps

01:09:46 Emily Graff: How is the answer 301?

01:09:46 Elaine Everts: Appreciate your time

01:09:46 Ruth Donato: This was great. Thank you!!

01:09:47 MEI OH: Thank you for the great idea

01:09:51 Faith Peddie: https://youtu.be/S0_zF32XUD0

01:09:53 Konnie Guthrie: I have used 100 grids for 22 years. Some of this I have done and some I just learned. Very useful. I appreciate this.

01:10:00 Gail Dean: Thank you!

01:10:04 Veronica Kwok: This will be great to use if I am in person with my students

01:10:10 Barb Everhart: Thank you Lesa and Elena!!!

01:10:16 Becky Duprey: YES!

01:10:19 Stephenia Courtney: EVERYONE be safe and Thank you again!!

01:10:28 Becky Duprey: Much better for younger children.

01:10:40 Julie Leckman: Thank you for the link!

01:10:44 Maria Dolores Estravez: I think a good extension will be to include negative numbers.

01:10:56 Durrell Lewis: any suggestions for special needs learners?

01:11:03 Durrell Lewis: they would love this

01:11:05 Tawanda Scott: Thank you for the information.

01:11:08 Emily Graff: Teaching integers, real numbers etc

01:11:14 JENNIFER GALVIN: Alge-bots could be helpful with translations as transformation?

01:11:16 Lynda Wilder: My middle schoolers love the hundreds board.

01:11:17 Bill Prince: thank you!

01:11:17 Susan Creenan: In the website are those zeros or capital letter O

01:11:30 Christina Sohn: how can you utilize this in introductions to integers?? 6th graders are having a hard time grasping the concept of negative integers..

01:11:32 Robin Brockmiller: Always needing students to have better "number sense" not matter what grade they are in.

01:11:33 Gloria Flores: Thank you

01:11:35 Robin Alves: It sounded like the hundred grid and coordinate plane had a connection with slope.

01:11:44 Durrell Lewis: YES! thanks for that.

01:11:50 Deniz Çakır: Thank you from Turkey. My heart is with you!

01:11:53 Ann Wycoff Bagshaw: This is a powerful tool to use with any students struggling with multiplication facts.

01:11:56 Marvin Respicio: Thank you for sharing how 100 grid's usefulness in teaching math.

01:12:06 Elizabeth Devereaux-Cox: absolute value?

01:12:08 Kelli Freiwald: thank you!

01:12:08 Jennifer Knudsen: thanks much !

01:12:09 C Robertson: What does the cartoon say?

01:12:10 Christina Sohn: how can you utilize this in introductions to integers?? 6th graders are having a hard time grasping the concept of negative integers..

01:12:10 Alison Walker: Thank you. very useful, and very informative!
01:12:12 John Sasko: Minnesota -- Missing PRINCE...
01:12:13 Nell Thurlow: Thank you!
01:12:14 Kerry Ellen Avery: When having students color the charts day 1
- how many charts do you hand out?

01:12:15 Elizabeth Downing: Thank you for introducing us to some of
these ideas for implementation!
01:12:15 Emily Graff: Thank you!
01:12:17 Melanie Doody: Mind blown. Thank you.
01:12:19 Kathy Rubendall: Thank you!
01:12:24 Susan Dahms: Thank you very much! I look forward to using this
information in my 8th grade classes.
01:12:25 tani molina: Thank you!
01:12:27 Becky Duprey: Thank you!
01:12:28 Tanya Landry: 301?
01:12:29 Laurie Barker: What was the answer to the farmer problem
01:12:30 Dorothy Groover: Thank you!!
01:12:31 Wisnu Siwi Satiti: Thank you Lesa and Elena! Such a great
presentation and very helpfull. Thank you all !!
01:12:31 Victoria Simmons: Appreciate it
01:12:32 Aura Fortaleza: Thank you very much!
01:12:32 Ellen Metzger: Thank you so much – great presentation!
01:12:37 Emily Graff: 301, but why
01:12:39 Susan HANSON: Appreciate the 100 grid and hadn't used it before
for patterns.
01:12:41 Niniek Budhiastuti: Thank you very much
01:12:42 Ana Guerrero: Thank you
01:12:42 Elaine Everts: Prayers for safety for all.
01:12:43 Deborah Cammack: Thank you!
01:12:44 Lori McDevitt: thank you and prayers for your hometown
01:12:45 Konnie Guthrie: Thank you.
01:12:46 Flora Wright: Thanks
01:12:48 Janice Magauay: Thank you so much!
01:12:49 Beth Nalker: Thank you so much!
01:12:51 Jonna Alexander: Thank you!
01:12:51 SAPNA SHARMA: THANK YOU
01:12:52 Maryn Foote: Good bye. .
01:12:54 Daniel Lindsay: Thanks So Much!!!
01:12:56 Barb Everhart: Rock stars! thank you!
01:12:57 MAHMOUD EZZ ELDEEN MAHMOUD PORAIY: THANKS
01:12:57 Lynda Wilder: Thank you. You can purchase books with hundred
board games.
01:12:59 Jeanette Robertson: Thank you! I look forward to using these
with my kids next year!
01:13:00 Denika Gum: Thanks
01:13:01 Heidi Nunes: Thank you again!
01:13:02 Jacquelyn Wardlow: Thank Y'all from TX
01:13:08 Li-Shien Lee: Thank you very much for sharing
01:13:13 GERONE ATIENZA: thank you so much

01:13:15 Dave Hankin: Thank you from Globe, Arizona!
01:13:15 Kathy Monk: Thank you so much
01:13:20 Robin Alves: 🙌🙌🙌🙌
01:13:23 tracey simmons: Thank you!!
01:13:24 Ginger Miller: Thank you!
01:13:35 Fideliz Mae Magno: thank you!!
01:13:49 Kerry Lindo: 301 meets the requirements
01:13:50 Christina Sohn: is it for every month?
01:13:56 LeAnna Deveaux-Miller: Thank you this session was awesome and
engaging
01:13:57 Fevi Rahmawati Suwanto: Thankyou
01:13:59 Christina Sohn: or a yearly cost?
01:14:08 Mary France Oliveros: Thank you so much
01:14:14 Paula Wardell: Very interesting, thank you!
01:14:17 Marlene Naquin: Love the connection to factoring!

01:14:18 Dr. Yankey: we miss free T Shirts this year
01:14:23 Becky Duprey: Well worth your money. Been a member for more than
25 years.
01:14:31 Marlene Naquin: Can I use this to renew early
01:14:33 David Martinez: thank you
01:14:40 Gloria Flores: Thanks again
01:14:40 R. Weaver: You can put your name in it by using Kami.
01:14:44 Christina Sohn: is the cost every month/yearly?
01:14:50 Bhavna Satav: Thank you
01:14:54 Becky Duprey: Yearly
01:14:55 Joy Feinauer: yearly
01:15:01 Lesa Covington Clarkson: Yes 301!
01:15:03 Trena Wilkerson: Ditto -been a NCTM member for over 40 years!
Great resource and supporting community.
01:15:06 Christina Sohn: thank you guys! :)
01:15:06 Jet Yeung: Thank you again. Great information.
01:15:10 Marlene Naquin: thanks!!
01:15:12 Jennifer Post: Thank you! :-)
01:15:13 Firoza Rahman: thanks and take care!
01:15:15 Olga Kosheleva: Thank you!
01:15:16 Milagros Smith: Thank you. I enjoyed the presentation
01:15:17 Arlene Bachinela: Thank you so much!
01:15:20 Ifeoluwa Oresanwo: Thank You
01:15:21 Marlene Naquin: Stay safe and strong!!
01:15:22 Louise Phillips: Thank you!
01:15:23 Kendra Edwards: Thank you!!
01:15:23 Anna Elizondo: Thank you. Be safe everyone! Take care.
01:15:32 Susan Hall: Thank you - this will be very useful!
01:15:33 Pamela Goodwin: thank you! insightful webinar:)
01:15:34 Katerine Santana: Thank you I learned so much
01:15:34 Bethany Morton: Thanks for the great ideas!
01:15:35 Lisa Ashe: Excellent session!
01:15:38 MEI OH: Thank you so much, I am sure I can use this!
01:15:43 Dr. Yankey: Thank you very much Boss L

01:15:44 Randy Ross: Hello from Arizona
01:15:45 Dian Kurniawan: thank you
01:15:46 Barbara Woon: Thank you so much for broaden my learning :)
01:15:47 Heidi Nunes: Did she just say that we can get certificates for
viewing the videos after the fact??
01:15:49 Kerry Lindo: I learned a lot
01:15:51 MEI OH: Have a great evening
01:15:52 Sara VanDerWerf: Thank you all!
01:15:52 WCChambers: Thanks
01:15:54 C Robertson: Thank you to all, as always!
01:15:54 Rosalyn Bantay: Thank you
01:15:56 Sharlena Cooks-Fahngon: thank you :)
01:15:56 Kathleen May: Wonderful Be safe everyone
01:16:03 Emerson Roman Sanchez: ¡Muchas Gracias! This was great. AlgeBots
were my favorites!
01:16:04 maria coleman: Thank you and be safe...
01:16:08 Mark Phipps: That was super fun! I'm going to work on virtual
transparencies (eventually)
01:16:11 Randy Ross: Loved the time
01:16:14 Randy Ross: bye