Stephanie Gruskin: NJ
Deirdre Bonini: New York
Toni-Ann Climenti: Long Island
Barbara Moda: New York
Kevin Dykema: Welcome from Mattawan, MI
Nicole Webb: ny
Susan Smith: Hi from NE Massachusetts!
Alison Jones: Tennessee
Edel Reilly: Pennsylvania
Cassandra Portelli: Newcastle Australia
Wendy Holt: Tennessee
Trena Wilkerson: Waco, TX!
Joseph Basile: Kingston, MA
Merrellyn Banks: Ohio
Westley Mildenhall: Another NYC
Tammy Dobler: Missouri
Mariuxi Andraca: New York
Simone Richardson: Another Australian :)
Cheryl Moffett: Chicago
Daniel Irving: Hello from North Providence, RI!
Heather McKee: Nashville, TN
Stephanie Toepfer: Nashville, TN!
Lydia Heilman: Wisconsin
Diana Rizzo: Florida
Tran Trang: Marlboro, MA
Ken Krehbiel: Hello everyone, from Washington, D.C.
Tanya Antoniadis: Mesa, AZ
Paisly Champion: Decatur, Illinois
Ken Krehbiel: Hello everyone, from Washington, D.C.
Cindy Klages: Eufaula, AL
Elizabeth Dunn: Elizabeth Dunn Greenbelt, MD
Dawn Petty: Morgan Hill, CA
Amanda Ramgoolam: Queens NY
James McCue: Morganton, NC
Patricia Harris: Lawrenceville, VA
Michele Barker: Laguna Beach, CA
Cindy Klages: Eufaula, AL
Cheryl Moffett: Chicago
Stacey Bow: Aloha from Honolulu, HI
Merrellyn Banks: Ohio
Lydia Heilman: Wisconsin. Hi everyone!
Katherine Rivera Cordova: Katherine Cordova, NEW YORK.
Joan Albers: Ohio
Carol Matsumoto: Hi Chonda from Winnipeg. Home from a trip to Thailand.
Cindy Tschudy: Elyria, Ohio
Andrew Mastorakis: New York!
Luis Villanueva Rata: in VT but from Madrid Spain
Marian Small: so nice to see you from so many places
Carol Matsumoto: Hi Chonda from Winnipeg. Home from a trip to
Thailand.
00:16:05 Stacey Bow: Aloha from Honolulu, HI
00:16:26 Melissa Giordano: new jersey, hey there!!
00:16:27 Carol Matsumoto: Hi Marian. Great seeing you!
00:16:48 Kathleen Felt: Hi from Indianapolis IN!
00:16:55 Elizabeth Dunn: My twin and I are working at the Greenbelt Library. We have to leave around 7:45. Is this OK? Thank you.
00:17:01 Marian Small: of course
00:17:17 Trena Wilkerson: How was Thailand!
00:17:48 Elizabeth Dunn: Thank you. We have attended the other two workshops and they are very useful. (Mary and Elizabeth Dunn)
00:17:54 Myla Simmons: Hello from New Jersey
00:18:28 Heather Noe: Hello from Missouri!
00:18:34 Chonda Long: Hi Carol!
00:18:44 John Gaines: Hello from California!
00:18:45 Carol Matsumoto: Thailand was wonderful!
00:18:54 Theresa Gibson: Hello from Tennessee!
00:19:34 Susan Smith: yes
00:19:36 Amanda Ramgoolam: True
00:19:36 Marizelle Ramos-Cristobal: yes
00:19:37 Kevin Dykema: yes
00:19:38 Mary Dodson: yes
00:19:39 Catherine Lantz: yes
00:19:40 Heather McKee: true
00:19:40 Theresa Gibson: yes
00:19:41 Westley Mildenhall: Depends if 0 counts as whole number
00:19:41 Elizabeth Dunn: True
00:19:42 Macaul Bartruff: Yes. 30 is an even number
00:19:42 Tran Trang: yes
00:19:43 Cheryl Moffett: yes
00:19:45 Heather Noe: yes
00:19:45 Toni-Ann Climenti: yes
00:19:45 Diana Rizzo: False
00:19:45 Heather McKee: true
00:19:46 Alexander Torgov: true
00:19:46 Francine Brown: true
00:19:47 Myla Simmons: Yes
00:19:47 Sandra Gardner: Yes
00:19:48 Joan Albers: yes
00:19:49 Patricia Harris: yes
00:20:02 Nicole Webb: yes
00:20:03 Merrellyn Banks: Yes
00:20:04 Susan Smith: Because two odds add up to an even, so the last addend has to be even.
00:20:14 Kathie Minelli: yes
00:20:17 Macaul Bartruff: 30 is an even number
00:20:26 마안: Either one or three of the numbers are even
00:20:57 Simone Richardson: Yes
00:20:58 Amanda Ramgoolam: Yes
00:21:02 Alexander Torgov: yes
00:21:02 Susan Smith: no
00:21:03 Marizelle Ramos-Cristobal: yes
00:21:03 Theresa Gibson: yes
00:21:04 Macaul Bartruff: yes
00:21:05 Kevin Dykema: yes
00:21:06 Michele Barker: yes
00:21:06 Catherine Lantz: No
00:21:07 Heather Noe: yes
00:21:08 Sandra Gardner: yes
00:21:08 Barbara Moda: yes
00:21:09 Westley Mildenhall: no
00:21:10 Francine Brown: yes
00:21:12 Kathie Minelli: yes
00:21:18 Cindy Klages: Yes
00:21:26 Merrellyn Banks: Yes
00:21:28 Susan Smith: Could be 10 + 10 + 10
00:21:30 Westley Mildenhall: 10+10+10
00:22:30 Kathie Minelli: False
00:22:30 Julius Mercer: No
00:22:32 Marizelle Ramos-Cristobal: no
00:22:33 Susan Smith: No 7 + 7 + 6
00:22:33 Sandra Gardner: no
00:22:34 Barbara Moda: no
00:22:34 Heather McKee: No, two can be odd
00:22:36 Simone Richardson: No
00:22:36 Merrellyn Banks: No
00:22:37 마얀: no
00:22:39 Elizabeth Dunn: No
00:22:40 Cindy Klages: No
00:22:41 Cheryl Moffett: no
00:22:42 Heather Noe: no
00:22:43 Francine Brown: no
00:22:56 Westley Mildenhall: no
00:22:58 Julius Mercer: No
00:23:00 Marizelle Ramos-Cristobal: no
00:23:01 Sandra Gardner: no
00:23:01 Francine Brown: no
00:23:03 Heather Noe: no
00:23:03 Merrellyn Banks: No
00:23:04 Susan Smith: No; 8 + 8 + 4
00:23:06 Macaul Bartruff: no
00:23:07 마얀: no
00:23:10 Cheryl Moffett: no
00:23:17 Simone Richardson: No
00:23:46 Sandra Gardner: no
00:23:56 Merrellyn Banks: No
00:23:59 Chris Schoff: No
00:24:03 마얀: no
00:24:03 Marizelle Ramos-Cristobal: no
00:24:03      Joan Albers: no
00:24:03      Cheryl Moffett: no
00:24:07      Francine Brown: no
00:24:12      Julius Mercer: Yes
00:24:14      Theresa Gibson: no
00:24:14      Susan Smith: No 9 + 8 + 13 is a difference of 5
00:24:50      Westley Mildenhall: 1, 1, 28 is an example for D being true!
00:27:57      Kathie Minelli: 40 and 480 end in zeroes
00:27:59      Kathleen Felt: 40x10=400 40x2=80
00:28:03      John Gaines: It increases by 11.... 40 x 11 = 440, then add 40 to it to make 480
00:28:13      Mary Dodson: no
00:28:23      Julius Mercer: The sum of the digits go in multiples of 2
00:28:24      Westley Mildenhall: 40+110=150, then keep adding 110s 260, 370, 480
00:28:25      Emily Weber: Yes - adding 11 on the calculator and hitting
00:28:26      Difference between 480 and 40 must be divisible by 11 if 480 is to be in the pattern
00:28:28      Ashley Hulet: 440 is a multiple of 11
00:28:31      Julius Mercer: 4+0 =4
00:28:39      Julius Mercer: 5+1=6
00:28:45      Julius Mercer: 6+2=8
00:28:49      Julius Mercer: 7+3=10
00:28:56      Julius Mercer: 4+8+0=12
00:29:12      Luis Villanueva Rata: awesome answer!
00:30:01      Julius Mercer: Thank you!
00:31:34      Chris Schoff: good things happen in threes...
00:33:44      Ashley Hulet: 960
00:33:48      Renée Michaud: 960
00:33:48      Simone Richardson: 960
00:33:48      Marizelle Ramos-Cristobal: 960
00:33:49      Merrellyn Banks: 960
00:33:49      Susan Smith: 960
00:33:52      Caitlin Caruso: 960
00:33:53      Alyssa Furones: 960
00:33:54      Paisly Champion: 960
00:33:54      Westley Mildenhall: 960000000000
00:33:59      Westley Mildenhall: oh I forgot it's 3 digits
00:35:34      Ashley Hulet: Great way to talk about place value!
00:36:13      Renée Michaud: no
00:36:17      John Gaines: Yes
00:36:18      Marizelle Ramos-Cristobal: no
00:36:27      Alexander Torgov: no
00:36:31      Westley Mildenhall: To get from 50 to 120, multiply by 1 and 2/5. The product of 9 and 1 and 2/5 is not a whole number
00:36:38      Alyssa Furones: no
00:36:40      Macaul Bartruff: no
00:36:47      Nicole Webb: no
00:36:48      Merrellyn Banks: No
00:36:54 Ashley Hulet: No because 120 is not a multiple of 50 and 9 and 50 don't have common multiples
00:36:55 John Gaines: Oh the left has to be whole. Nvm
00:38:41 Emily Weber: truth- prism has to have edges divisible by 3
00:38:44 Susan Smith: agreed
00:38:47 John Gaines: ^^
00:39:07 Ashley Hulet: True...I’m thinking prism edges are multiples of three
00:40:47 Ashley Hulet: Love that!!!
00:45:20 Ashley Hulet: Yes because you hit every number exactly once. You are adding 3 each time but starting one number off in each pattern
00:45:20 Patricia Harris: Yes because you are hitting all the place value ranges so you will eventually hit 30’s 300’s so on.
00:46:19 Ashley Hulet: Yep You will have every integer represented above 3.
00:50:52 Simone Richardson: In any multiple of three you have a whole heap of 'groups of 3' if you put two multiples together everything will still be in 'groups of 3'
00:51:04 Susan Smith: You could place as many rows of 3 tiles each as you like, but it will always have 3 in each column.
00:51:16 Alexandra Perl: I agree! A visual would be lovely here
00:51:25 Ashley Hulet: If a number is a multiple of 3 I can count by 3’s to get the number. So if I could count by 3 to get the first and the second I can count them all up by counting by 3’s
00:56:21 Westley Mildenhall: 68 = 4 tens + 28 ones, 32 blocks
00:57:06 Renée Michaud: 148 = 12 tenths, 28 units
00:57:13 Susan Smith: I think it's 148 with 43 blocks but I can’t prove why yet.
00:58:58 Ashley Hulet: Love two truths and a lie!
01:00:37 Ashley Hulet: And great multiple choice testes taking practice...haha
01:01:00 Susan Smith: 30 and 10
01:01:17 Westley Mildenhall: 10 and 10
01:01:32 Merrelllyn Banks: 10 20
01:03:01 Emily Weber: 25 and 75
01:03:16 Emily Weber: 30 and 90
01:03:24 Westley Mildenhall: triple!
01:03:26 Susan Smith: X 3
01:03:26 Emily Weber: a and 3a
01:03:44 Elizabeth Dunn: Thank you. We learned very much. Elizabeth Dunn and Mary Dunn
01:05:55 Trena Wilkerson: The connection to noticing to proving and explaining why is powerful!
01:06:25 Cindy Klages: Yes, @Trena
01:06:39 Susan Smith: I love the focus on math making sense and being provable.
01:07:38 Amy Jackson: Marian, I like the diversity of questioning that allows the children to think outside the box!
01:08:01 Carol Matsumoto: Thanks Marian!
01:08:14 Amy Jackson: Yes! I teach kindergarten so that is where I was coming from!
01:08:19 Ashley Hulet: Love this! When do you ask these questions? Like
starting a unit, in the middle, at the end?

How do you think up these questions?

01:08:29 Michele Barker: I'm in intervention math so getting the students to prove it will be helpful to know they are understanding, that the light bulb is on.

01:08:46 Luis Villanueva Rata: I love these ideas!! Some the students who struggle with math get really challenge by questions like these

01:08:53 Cindy Klages: Can’t wait to watch this again tomorrow.

01:08:58 Heather Noe: Thank you for pointing out that the thinking time of students takes longer. I wish administrators would realize this. We have to go slower to move into deeper thinking!

01:09:03 Tonya Burke: It definitely gets harder the older they get.

that's why it's important for students to talk about their thoughts. this will promote reasoning.

01:09:43 Sandra Gardner: This method allows students feel confident. Understanding that there is many different ways to see a problem. Not being afraid to express their ideas.

01:10:15 Alyssa Furones: This is my first year teaching math and I have quickly realized how important it is to make sense and make connections in math. This is something I wish I was taught earlier in school!!

01:10:35 Susan Smith: Love that example!

01:10:48 Stephanie Gruskin: Agree Heather

01:10:59 Heather Noe: Do you share the slides?

01:11:07 Marizelle Ramos-Cristobal: Yes please

01:11:09 Diana Rizzo: Yes please

01:11:09 Tran Trang: Yes please

01:11:10 Chavon VanHooks: Yes please share.

01:11:12 Renée Michaud: Many thanks.

01:11:13 Julius Mercer: Yes, thank you!

01:11:14 Luis Villanueva Rata: yes please!

01:11:14 Alyssa Furones: Yes please!!

01:11:14 Heather Noe: Yes please!

01:11:14 Ashley Hulet: Yes please! I’d love the slides!!

01:11:15 Kathleen Felt: Yes, please!

01:11:16 Merrellyn Banks: Yes please

01:11:18 Amy Jackson: Yes! I would like to have the slides!

01:11:18 Patricia Vargas: Yea, please :-)

01:11:18 Susan Smith: Really appreciate your time and your work, Marian! Thank you!!

01:11:20 Caitlin Caruso: This was great! Thanks

01:11:22 LaShawn Digbohou: Slides please and thank you!


01:11:24 EZGI ERGUL: Thank you

01:11:26 Alexander Torgov: Thank you so much.

01:11:27 Amy Jackson: Thank you, so very much!

01:11:28 Stephanie Gruskin: Thank you for sharing your knowledge!

01:11:28 Tran Trang: Thank you so much

01:11:30 Julius Mercer: What grades have you taught?

01:11:31 Trena Wilkerson: Thank you!

01:11:31 Marizelle Ramos-Cristobal: Thank you so much.
01:11:31 Patricia Vargas: * Yes, please :-)
01:11:34 Alyssa Furones: Thanks so much!!
01:11:34 Nicole Webb: thank you
01:11:34 Lydia Heilman: thank you so much for your time
01:11:35 Luis Villanueva Rata: Thank you!!!!
01:11:35 Joan Albers: Thank you!
01:11:36 Cheryl Moffett: Thank you so much! Yes, the slides would be very much appreciated.
01:11:36 Merrellyn Banks: Thank you
01:11:37 Patricia Vargas: Thank you!
01:11:37 Mariuxi Andraca: Thank you
01:11:44 Macaul Bartruff: Thank you
01:11:50 Stephanie Toepfer: Thank you for your insight!
01:11:52 Ken Krehbiel: Thank you Marian.
01:11:53 Dawn Petty: Thank you!
01:11:57 Ashley Hulet: This is so great! Thanks!!! I have fun! So I know my students could too!
01:12:20 Theresa Gibson: Thank you!
01:12:39 Kathleen Felt: Thank you for a fun and informative session!
01:12:42 Wendy Holt: Thank you!
01:12:45 Crystal Williams: Thank you for the strategies. I learned how to re-energize my current students
01:12:50 Beverly Farahani: Really enjoyed this. Thanks
01:13:30 Andrew Mastorakis: Thank you so much!!