

00:17:59 Trena Wilkerson: Hello from Waco, TX!  
00:18:26 Emily Kavanagh: Hello from Columbia, MD  
00:18:31 Valentina Sorescu: Valentina Sorescu, Chicago, IL  
00:18:38 Simon Terrell: 25  
00:18:39 Sharon Black-MacKinnon: Good evening from NB Canada. This is my 83rd session  
00:18:39 Winnica McLean: Florida  
00:18:39 Cindy Bryant: Please set your chat to " All panelists and attendees" so everyone will be able to see your posts.  
00:18:42 Chonda Long: Hello from Springfield, VA. I have been to at least 50 sessions!  
00:18:43 Lesly Brown: Hello from Tennessee!  
00:18:43 Emily Kavanagh: Too many to count  
00:18:46 Rejoice Akapame: Seattle, WA  
00:18:46 Lisa Caudle: 30+  
00:18:47 Linda Koval: Hello from Bealeton, VA. Over 20!  
00:18:48 Maureen Charron: hello from new york  
00:18:49 Brian Dean: Hello! Thank you for being here! I am joining from Tampa, FL!  
00:18:50 Daniel Irving: Hello from North Providence, RI! I have attended every webinar so far!  
00:18:50 Suzanne Pohorence: Western New York 10th  
00:18:51 Jonathan Marcovitz: Greetings from Fort Lauderdale  
00:18:51 Simon Terrell: North of San Francisco  
00:18:51 Macobia Harris: Hello from Desoto, Tx  
00:18:52 Lisa Galanes: Hi from IL  
00:18:52 Noe Eugenio: Hi from  
00:18:53 LANY JAMERO: good morning from philippines  
00:18:54 Muhamad Jamal: indonesia  
00:18:56 Valentina Sorescu: 23  
00:18:57 Laura Kaplan: Hello from Chicago!  
00:18:57 Myla Detecio: good morning from the Philippines, i guess more than 30  
00:18:59 Noe Eugenio: Hi from Philippias  
00:18:59 Delphine Stallworth: Delphine Stockton CA over 50  
00:18:59 Anja Felton: Hi from SW Washington state! This is my first class. :)  
00:19:03 Anne Dempsey: Hello from Chicago  
00:19:04 tracey simmons: Good evening from Queens, NY  
00:19:06 renee mooney: Lexington, ky  
00:19:06 Ellen Williams: Ellen Rosamond, CA  
00:19:07 Cecile Carlton: Hello - Cecile from Nashua NH  
00:19:09 Judith Owens: Hello from Baltimore MD!  
00:19:09 Josephine Romero: Hello from Dallas, Texas.  
00:19:10 India Puch: India from Columbia, SC day 65  
00:19:10 Andréa Chew: Hello from Spotsylvania, VA  
00:19:14 Myra Absin: Hello from Philippines  
00:19:16 Denise Griffiths: Have been to at least 75 sessions from Delaware!  
00:19:17 Vittorio Ciummo: Vittorio from Chicago.

00:19:21 Justin Klinger: Hello from Romeoville, IL  
00:19:23 Lauro Sá: From Brazil lol  
00:19:23 Vanessa Stokes: hey from chicago!  
00:19:25 Katherine Prammer: hi from Cambodia - at lest 60  
00:19:28 Evangeline Pabulayan: hello from PA  
00:19:29 Laurie Walker: Hello from Massachusetts! 30 sessions  
00:19:36 Shelly Stelsel: Wisconsin  
00:19:36 Perri Piercey: Hello from Nashville  
00:19:37 Cindy Bryant: Thank you for joining from all over the WORLD!!!  
00:19:41 Jacqueline Colbourne: Hi from Maryland.  
00:19:43 Melonie Smith: Hello from Chicago  
00:19:43 Samantha Marnon: Hello from Syracuse, NY  
00:19:45 katrina tunstall: NC  
00:19:57 marissa heitman: hello from Everett WA . I have been to 37

00:19:58 NOURA ALSOFIANI: Saudi Arabia  
00:19:58 Courtney Ortega: Hello from the Bay Area in CA!  
00:19:58 Myra Absin: Hello from Philippines.  
00:20:03 Carol Watson: Greetings from FCPS in Reston, VA  
00:20:06 Donna Misciagna: Hello from Tucson, AZ  
00:20:06 Mary Palmer Legare: Hi from Lottsburg, VA.  
00:20:07 Darvin Best: Greetings from Fredericksburg, VA.  
00:20:07 Ma. Lorena Aloquina: It's my 25th...from Philippines!  
00:20:15 Abdul Razak Othman: HI from Malaysia  
00:20:19 Jorge Veloso: Hi from Angola.  
00:20:19 Cheryl Tavernelli: Plymouth Massachusetts  
00:20:19 Carly Mae Eugenio: this is my 2nd. hello from the Philippines!  
00:20:21 Anastasia Hay-Shelton: Richmond, TX. 7 sessions  
00:20:38 MELVIN BURNETT: Greensboro, NC  
00:20:39 Lynn Lafferty: Hi from Erie, PA  
00:20:39 Sharon Dawkins: Sharon from Brooklyn NY  
00:20:39 Yvette Davis: Hello from Portsmouth, Va  
00:20:39 Nancy Davis: Hello from Atlanta, Georgia!  
00:20:40 Mary France Imperial: Hello from Philippines, Almost 50  
00:20:48 Nell Thurlow: Hi from Lafayette LA  
00:20:52 Catherine Bronikowski: Hi from Milwaukee  
00:20:57 Kathy Rubendall: Hi from Hoboken NJ  
00:20:57 Brooke Busi: Hello from New York State!  
00:21:00 Gloria Flores: Hello from Texas  
00:21:04 Tanya Landry: Hi from Baton Rouge!  
00:21:11 Lance Brauchla: Hello from IN!  
00:21:15 PALOMA CARRERA-ANDINO: Hi from El Paso, Tx  
00:21:17 Nicole Walden: Nicole from Ohio  
00:21:25 Jeanetta Glass: Hello from Memphis, TN!  
00:21:31 Charlene Cruz: Hello from Chicago  
00:21:33 amanda Helgerson: Hi from Mass  
00:21:35 Ma.Cecilia Cueva: good morning from Philippines💕  
00:21:35 Kathryn Brown: Hello from Athens, GA!  
00:21:37 David Brancamp: Hi from Carson City, NV  
00:21:40 Abiola Rotimi-Ogunsola: Hello Dallas

00:21:41 Cheryl Ann Doyle E Barran: Hello from Bronx, NY  
00:21:43 Dana Nelson: Hello from Central PA  
00:21:44 Regina Williams: Hello from Miami, FL  
00:21:49 Meredith McMillan: Hi from Chappaqua, NY  
00:21:49 Michele Conyers: Greetings from smoky Napa...  
00:22:00 Christina Lange: Hi from Shawnee Mission, Kansas  
00:22:08 Elmer Mayol: Hello, from Cebu Philippines  
00:22:15 John Sasko: Hi from Mount Vernon, NY  
00:22:16 Carole Receveaux: Bonjour from Vancouver Island, BC  
00:22:19 Debra Cowan: Good evening from Mastic Beach, NY this is my 21st  
webinar.  
00:22:32 Victoria Truman-Dooley: Evening, from Palm Beach Gardens, FL  
00:22:32 Deborah Alexander: hello from Chilliwack bc  
00:22:35 Kari Eggink: Greetings from Everett, Washington  
00:22:44 Sheila Kirton-Robbins: Hi from Nashville, NC  
00:22:50 Denise Juern: Greetings from Waukegan, IL  
00:22:56 Deborah Alexander: Deborah Alexander everson wa  
00:23:03 Betty Stallings: Hello from Portsmouth, VA  
00:23:07 Megan Vargas: Hi, Everyone! Tuning in from Palm Beach County, FL  
00:23:09 Ellen Metzger: Hello from Lincoln MA  
00:23:16 Kristie Chandler: Hello from Waynesboro, VA!  
00:23:28 Krystal White: Hey, everyone! Joining in from St. Louis, MO  
00:23:32 Dawn Lopez: Hello from Glen Cove, NY  
00:23:41 Witayuna Stewart: Hello from PG County, MD  
00:23:49 Olga Kosheleva: Hello from El Paso, TX.  
00:23:51 Joyce Meier: Hello from IL!  
00:24:08 Keiara Jones: Hello from Daingerfield, Texas!  
00:24:26 Honey Sacro Swem: Hello from Redlands, CA  
00:24:40 Konnie Guthrie: Hello from Las Vegas.  
00:25:03 Mohamed T: Good evening ! This is Mohamed , CT  
00:25:37 Catherine Alicz: Hello from Angela Chicago, Illinois  
00:25:47 Lorie Huff: Remember to change your chat delivery to "all  
panelists and attendees. We want all participants to benefit from your comments.  
  
00:25:54 jill brown: Hi from Aus  
00:25:59 Jet Yeung: Hello Everyone--Jet from Henderson, Nevada  
00:26:02 Olivia Fokas: Hello from Delaware :)  
00:26:04 Lorie Huff: Remember to change your chat delivery to "all  
panelists and attendees. We want all participants to benefit from your comments.  
  
00:26:21 Beth Kobett: Hello from Maryland!  
00:26:24 Lorie Huff: Remember to change your chat delivery to "all  
panelists and attendees. We want all participants to benefit from your comments.  
  
00:26:25 tsmallcanyon: Southern Utah  
00:26:30 Anne Fisher: Also hello from Delaware  
00:26:31 Lorie Huff: Remember to change your chat delivery to "all  
panelists and attendees. We want all participants to benefit from your comments.  
  
00:26:33 Susan Danskin: hi from Ithaca NY

00:27:26 Jennifer Gonzales: Good morning. Watching from Philippines  
00:27:44 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees. We want all participants to benefit from your comments.  
00:27:48 Lorraine Platek: hello from chicago  
00:27:51 Catherine Cook: hello from SF, california  
00:27:51 Ruqayah Zuhair: Feeling blessed  
00:27:56 Yvette Davis: Excited  
00:27:58 Sheila Kirton-Robbins: Tired  
00:28:00 Ellen Metzger: excited  
00:28:00 Nancy Davis: Grateful  
00:28:00 Laura Ellsworth: Frustrated  
00:28:01 Cynthia Juarbe: good morning from Brooklyn, New York  
00:28:01 Anastasia Hay-Shelton: Frustration  
00:28:02 Tiffanie Nealy: curious  
00:28:02 Bethany Morton: Hello from Woodridge, IL  
00:28:03 Joshua Almeida: excited  
00:28:04 Renate Uhlig: Optimistic  
00:28:06 Donna Misciagna: tired  
00:28:06 Mary France Imperial: Grateful  
00:28:07 Jacqueline Booker: Determined  
00:28:08 Mary Palmer Legare: excited!  
00:28:08 Ruby Maghirang: hopeful and open to learning  
00:28:09 Wanda Parker: curious  
00:28:10 MELVIN BURNETT: good  
00:28:10 Valerie Davis-Fells: Tired  
00:28:10 Witayuna Stewart: curios  
00:28:10 Sharon Black-MacKinnon: Blessed  
00:28:10 Catherine Cook: feeling tired from teaching but optimistic  
00:28:10 Suzanne Pohorence: tired but motivated  
00:28:12 Jennifer Dwosh: exhaustion  
00:28:12 Valentina Sorescu: Inspired by your words and thoughts! Thank you Brian  
00:28:12 amanda Helgerson: drained (online trainings ALL day)  
00:28:13 Carole Bamford: stressed  
00:28:13 Shelly Stelsel: optimistic  
00:28:14 Anja Felton: curiosity  
00:28:17 Susan Garland: tired but ready  
00:28:17 Dawn Lopez: excited  
00:28:18 Jet Yeung: Greatful  
00:28:18 renee mooney: anxious  
00:28:20 Laura Ellsworth: torn  
00:28:20 Julie Herron: Enraged. Kenosha, WI  
00:28:20 Josephine Romero: Eager  
00:28:21 Cheryl Tavernelli: anxious  
00:28:23 Dawn Lopez: recognized  
00:28:24 Andréa Chew: happy  
00:28:24 Cecile Carlton: Excited  
00:28:24 Jennifer Gonzales: Excited  
00:28:26 Lance Brauchla: tired

00:28:27 Kim Serino: Motivated  
00:28:27 Laurie Harrell: hello from Harpers Ferry, WV  
00:28:27 Gloria Flores: excited  
00:28:28 Rosalyn Bantay: Grateful ♡  
00:28:30 Judith Owens: curious  
00:28:30 Katie Miller: overwhelmed  
00:28:30 Patti Gawronski: curious  
00:28:32 Krystal White: frustrated  
00:28:35 Abiola Rotimi-Ogunsola: Blessed and a delight to my colleagues  
00:28:35 Justin Klinger: Sad, My school lost a staff member yesterday.  
00:28:38 Jorge Veloso: Curious  
00:28:38 Cynthia Juarbe: I mean good evening. I feel anxious  
00:28:46 Carole Receveaux: attentive  
00:28:46 Muhamad Jamal: weird  
00:28:48 Emerlina Binuya: excited  
00:28:48 Tameillia Cain: Hi from Atlanta! Hopeful  
00:28:49 Kimberly Adams: cautiously optimistic  
00:28:51 marissa heitman: ready to eat. :-)  
00:28:51 Catherine Alicz: Grateful  
00:28:52 katrina tunstall: valued  
00:29:01 Debra Cowan: I'm feeling energized, ready to learn.  
00:29:04 Bethany Morton: 🙄  
00:29:10 NITIN MALVIYA: happy  
00:29:11 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees. We want all participants to benefit from your comments."  
00:29:13 Bethany Morton: feeling "crazy"  
00:29:17 Sharon Dawkins: happy  
00:29:20 Rodney Cooper: Excited and Tired  
00:29:21 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees. We want all participants to benefit from your comments."  
  
00:30:09 Bonnie Angel: anxious  
00:30:28 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees. We want all participants to benefit from your comments."  
  
00:31:32 Lesly Brown: Very excited to learn.  
00:32:58 dana dulzo: hello from dana novi mi  
00:33:06 Cheryl Ann Doyle E Barran: complex fraction  
00:33:44 Faith Peddie: pollev.com/briandean099  
00:33:47 Laura Ellsworth: use of modeling might not be understood  
00:33:54 Sheila Kirton-Robbins: teaching the formula  
00:33:54 Ellen Metzger: Often people confuse division of fractions with multiplication of fractions  
00:33:59 Konnie Guthrie: I think the biggest misunderstanding for this standard is that the focus seems to be more about modeling than the algorithm.\n00:34:06 Melonie Smith: PLEASE POST THE STANDARD AGAIN  
00:34:07 Anastasia Hay-Shelton: modeling  
00:34:08 Renate Uhlig: understanding what dividing fractions even means  
00:34:08 Michele Conyers: Could be a ratio.  
00:34:13 Yvette Davis: models

00:34:17 Susan Garland: divide or multiply

00:34:18 Enkelejda Limani: knowing the quotative division

00:34:19 Winnica McLean: Using the proper operations

00:34:21 Abiola Rotimi-Ogunsola: Drawing the scenario

00:34:25 dana dulzo: not understanding what a fraction represents

00:34:26 Amy Price: modeling

00:34:26 Megan Vargas: modeling division with fractions

00:34:28 Winnica McLean: models

00:34:30 Valerie Davis-Fells: Mideling

00:34:37 Valerie Davis-Fells: Modeling

00:34:41 Emerlina Binuya: problem with basic skills

00:34:42 Tameillia Cain: strategy needed to solve using a model

00:34:43 Catherine Bronikowski: there is more than one way to solve

00:34:52 Janet Bernard: essential question

00:34:54 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees. We want all participants to benefit from your comments.

00:35:55 Stephenia Courtney: Hello from Las Vegas, NV

00:37:00 Justin Klinger: Would students know to use the denominator of 6?

00:37:18 Megan Vargas: Cool "dividing by a fraction" applet:  
<https://www.geogebra.org/m/vvSsUPR9>

00:37:43 Denika Gum: Hi from Virginia! Sorry I'm late.

00:38:56 Maria Woehl: 80

00:38:58 Valentina Sorescu: 80

00:39:04 Linda Koval: 20% of what is 16?

00:39:04 Denika Gum: 80

00:39:05 Ellen Metzger: I got 80

00:39:06 Jasmine King: 80

00:39:10 tracey simmons: 80

00:39:12 NITIN MALVIYA: 80

00:39:13 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments.

00:39:13 Catherine Cook: 80

00:39:16 Kathy Rubendall: 20% = 1/5

00:39:16 Tameillia Cain: in the 6 th grade, do we really understand miles? often questions are not "worded" for students to have a point of reference

00:39:18 WARA SABON DOMINIKUS: 80

00:39:18 Viragni Chand: 80

00:39:20 dana dulzo: 16 is to the total number of questions as 20 is to 100

00:39:22 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments

00:39:22 Winnica McLean: 80

00:39:23 Susan Garland: Multiply 16 by 5

00:39:27 Nancy Davis: 80

00:39:27 Valerie Davis-Fells: 80

00:39:28 Kimberly Rivera: 16 \* 5 = 80

00:39:37 Justin Klinger: 16 x 5 =80

00:39:38 Yvette Davis: 80

00:39:40 Wanda Parker: 80

00:39:40 Ellen Metzger: 20% is 1/5, so 5 x 16 or 10 x 8

00:39:42 Mary Palmer Legare:  $5 \times 16 = 80$

00:39:42 Catherine Alicz: 80

00:39:46 Keiara Jones: 80

00:39:47 Konnie Guthrie:  $16/80 = 20/100$

00:39:47 Melonie Smith: 80 question =  $16 \times 5$

00:39:50 amanda Helgerson:  $20 * 5 = 100$  so do  $16 * 5$

00:39:51 Catherine Bronikowski: there are 5 20% in 100% so  $5 \times 16 = 80$

00:39:52 Nancy Davis: 5 20% in 100%

00:39:57 Catherine Cook: proportions

00:39:58 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments

00:39:58 Kimberly Adams:  $16 \times 100 / 20 = 80$

00:39:59 Jet Yeung: 80

00:40:01 Sheila Kirton-Robbins:  $2/10x=16 \implies x = 80$

00:40:02 Courtney Ortega: Double number line

00:40:04 Laura Ellsworth: double number line

00:40:07 Renate Uhlig: A double number line

00:40:10 Denika Gum:  $1/5$  of 100 = 20, so  $4/5$  of 100 is 80

00:40:13 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments

00:40:13 John Sasko: tape diagram/ double number line

00:40:14 Sheila Kirton-Robbins: setting up the ratios

00:40:14 Shelly Stelsel: Since this is taught at the beginning of the school year, most kids would do:  $16/20, 32/40, 48/60, 64/80, 80/100$

00:40:15 Valentina Sorescu: diagram

00:40:16 Darvin Best:  $.2x=16$

00:40:16 Kathleen McFadden: Double Number line,

00:40:19 Laura Ellsworth: tape diagram

00:40:22 Suzanne Pohorence: part/whole =  $\%/100$  ratio is one or any calculation steps/equations used to solve

00:40:23 Susan Garland: fraction or ratio

00:40:23 Nicole Walden:  $20/100 = 16/x$

00:40:24 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments

00:40:24 Cecile Carlton: 10% would be 8 questions - 10 groups make 100% - 80 questions.

00:40:25 Viragni Chand:  $20/100=16/x$

00:40:25 Abiola Rotimi-Ogunsola: 80 since 20% is  $1/5$  then 16 is  $1/5$  of the total number of questions

00:40:25 Laura Ellsworth: proportion

00:40:26 Denise Juern: A proportion

00:40:28 Shelly Stelsel: Ratio table

00:40:28 NITIN MALVIYA: ratio

00:40:30 Tameillia Cain: ratio

00:40:31 Kimberly Adams: Being able to set up a proportional relationship with a table, etc

00:40:32 Mary Palmer Legare:  $5 \times 16 = 80$

00:40:32 Winnica McLean: proportion set up, modeling

00:40:33 dana dulzo: set up a relationship between number of questions completed to percentage completed

00:40:34 Valerie Davis-Fells: Set up a proportion  
00:40:36 Melonie Smith: A diagram of a bar divided into 5 equal parts  
00:40:36 Viragni Chand: Double number line  
00:40:38 Joshua Almeida: part whole model  
00:40:38 Emerlina Binuya:  $16/20 \times 100\%$   
00:40:39 Jet Yeung: numberline  
00:40:40 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:40:41 Deborah Alexander: proportion formula  
00:40:41 Witayuna Stewart: double number line, proportion  
00:40:43 Linda Koval: Draw 10 boxes and divide 16 into 2 boxes. Then each box has 8. So 8 time 10 is 80.  
00:40:45 Gloria Flores: tape diagram  
00:40:45 Comlavi Djondo: double number line, or proportion  
00:40:46 Denika Gum: Proportional reasoning.  
00:40:47 Ruby Maghirang: Ratio and proportion  
00:40:50 Megan Vargas:  $20\% = 20/100 = 1/5$   
00:40:53 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:40:54 Janet Bernard: equation  
00:40:56 Gloria Flores: Ratio and proportion  
00:40:58 Cecile Carlton: Expect to have some way students represent their reasoning...  
00:40:58 Sheila Kirton-Robbins: Where is the polleverywhere access code?  
00:40:58 Ellen Metzger:  $20/100 = 16$  of how many?  
00:41:00 Honey Sacro Swem: Understand what's 10% of a number  
00:41:02 Emerlina Binuya: Ratio and proportion  
00:41:03 tsmallcanyon: guess and check  
00:41:09 Susan Bardenhagen: @Julie H in WI- as soon as I read Kenosha, I felt fear for you. I wish you peace and strength.  
00:41:15 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:41:19 Megan Vargas: Ohhhhhh...so tape diagram is Singapore math!!  
00:41:26 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:41:35 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:41:51 Emily Kavanagh: Great examples  
00:41:54 Tatiana Pereyra: Thank you.  
00:42:07 Ellen Metzger: @ Megan Vargas But only a little part of Singapore Math!  
00:42:41 Masooma Razzak: I love tape diagrams!  
00:43:24 Bethany Morton: connections here to direct variations and linear functions in 8th grade standards!  
00:43:42 Valentina Sorescu: @Bethany! yes  
00:44:06 Linda Koval: I teach percent using tape diagram (even though I didn't know that is what it is called) to my 9th graders.  
00:44:09 Susan Bardenhagen: @Justin K- I send my deep sympathy for your loss. I was thinking of a friend who I hadn't for awhile because we transferred to different districts and lost touch. I learned from a google search that she died



from cancer- another tragedy that we don't have a cure....

00:45:21 Linda Koval: I love double number line especially when students are working the square roots of numbers.

00:45:29 Denika Gum: Like the tape diagram and tie in to graphing proportions.

00:45:51 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments.

00:45:53 Anne Fisher: That's a connection I've never made before! Wow! Super powerful!

00:46:18 Linda Koval: What a great way using double number line to graph with x and y axes.

00:46:20 Ellen Metzger: That's really important – the way you can graph the double number line by rotating one of the two number lines.

00:46:23 Darwin Best: <https://pollev.com/briandean099>

00:46:23 Masooma Razzak: Me neither @Anne Fisher

00:46:38 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments

00:48:33 Ellen Metzger: <https://illustrativemathematics.blog/2018/02/06/why-we-dont-cross-multiply/>

00:48:50 Rebecca Few: <https://illustrativemathematics.blog/2018/02/06/why-we-dont-cross-multiply/>  
00:48:58 Laura Ellsworth: it allows us to use multiple visual models that might resonate with different learners

00:49:13 Renate Uhlig: we build content understanding rather than memorization

00:49:15 Megan Vargas: meet the students where they are

00:49:17 Marina Xavier: connections

00:49:21 Ellen Metzger: teachers can listen and respond better to different strategies

00:49:26 Susan Garland: Giving the framework to do more complex mathematics in the future

00:49:27 John Sasko: connections between the ways tp think about it

00:49:33 John Sasko: connections

00:49:35 Konnie Guthrie: various approaches allows more access

00:49:39 Nancy Davis: Makes math make sense

00:49:40 Megan Vargas: develop conceptual understanding

00:49:40 Wanda Parker: Build understanding

00:49:41 Bethany Morton: yes, multiple visual models.

00:49:41 Debra Cowan: all students learn differently

00:49:43 Mary Palmer Legare: multiple models for deeper undertanding

00:49:44 Emerlina Binuya: logical reasoning

00:49:53 Jet Yeung: understanding

00:49:53 NITIN MALVIYA: connect previous knowledge

00:49:54 Mohamed T: Visual Thinking

00:49:57 Valerie Davis-Fells: Understanding the connections

00:50:01 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments.

00:50:02 Mary Palmer Legare: transferable concepts

00:50:03 Ruby Maghirang: real-world applications

00:50:04 Ellen Williams: visuals

00:50:05 Lance Brauchla: visuals  
00:50:09 Patti Gawronski: Access concepts then connect to other strategies  
00:50:11 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:50:26 Yvette Davis: Having problems going to try phone log in. Sorry  
00:51:59 Robin Schwartz: are s's allowed a calc for this task?  
00:52:50 Robin Schwartz: ounce per \$ or \$ per ounce  
00:53:56 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:55:18 Ruby Maghirang: Definition of similar triangles  
00:55:22 Susan Garland: visual  
00:55:23 Megan Vargas: scaffolding  
00:55:37 Mary Palmer Legare: ratios of sides  
00:55:42 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:55:44 Ellen Metzger: Students can look and see that ratios of the corresponding two legs are the same  
00:55:47 John Sasko: relationships of the lengths of the sides; drawing from previous experiences  
00:55:50 renee mooney: choice  
00:55:54 Viragni Chand: Use of visuals  
00:55:55 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:55:55 Valerie Davis-Fells: Visual representation of ratios  
00:55:57 Andy Nguyen: using a graph  
00:55:57 tsmallcanyon: measurement  
00:56:00 Tanya Landry: equivalent ratios  
00:56:05 Lori Linsmeyer: Uses the CRA model to develop deeper understanding for all students.  
00:56:12 Ellen Metzger: They can count the squares to get the lengths  
00:56:12 Bethany Morton: relates things back to their prior knowledge  
00:56:16 Emerlina Binuya: Similar triangle are equal so the concept may be used for solving for the slope and it can be represented by a graph  
00:56:18 Comlavi Djondo: Apply the slope formula: Rise / Run  
00:56:20 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:56:28 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:56:34 Muhamad Jamal: equivalent ratios  
00:56:48 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:57:46 Lorie Huff: Remember to change your chat delivery to "all panelists and attendees." We want all participants to benefit from your comments  
00:59:24 Trena Wilkerson: Agreed! We are better together on our journey!  
00:59:48 amanda Helgerson: "nerd out with the math" love it!  
00:59:48 Jasmine King: Awesome gif!  
01:00:10 Enkelejda Limani: MATH - Make America Think Again  
01:00:23 Enkelejda Limani: Harder

01:00:27 Linda Koval: I think that it so important to bring prior  
knowledge and help our students as they make connections between math concept.

01:00:45 April Kenney: Thank you!

01:00:49 dana dulzo: Thank you for grwoing my brain :)

01:00:55 Christina Lange: Thank you

01:00:57 Daniel Irving: Thank you very much!

01:00:59 Courtney Ortega: Thank you!

01:01:05 Linda Koval: Thank you so much, Brian.

01:01:05 Catherine Alicz: Thank you!

01:01:07 Gloria Flores: Thank You Brian. Awesome!

01:01:11 Andr ea Chew: Thank you!

01:01:11 Abiola Rotimi-Ogunsola: Thank you so much

01:01:14 Nell Thurlow: Than you!

01:01:16 amanda Helgerson: thank you!

01:01:17 Witayuna Stewart: thank you

01:01:20 dana dulzo: sorry, thanks for 'growing' my brain :)

01:01:21 Maureen Charron: Thank you so much

01:01:22 Regina Williams: Thank you!

01:01:33 Honey Sacro Swem: Thank you, Brian, for sharing your  
expertise!

01:01:34 Cynthia Juarbe: thank you

01:02:01 Cindy Bryant: Great presentation! Thanks Brian and Rebecca!

01:02:02 Myla Detecio: thank you so much

01:02:07 John Sasko: Stop teaching to the tests!

01:02:07 Ondrea Johnston: Thank you!

01:02:11 Krystal White: Many thanks!

01:02:23 Jasmine King: THANK YOIU, BRIAN!

01:02:24 Tameillia Cain: thank you!

01:02:27 Ruqayah Zuhair: Got me thinking. Thank you.

01:02:29 Anna Stawowski: Thanks

01:02:31 Rebecca Few: Blog Site-  
<https://achievethecore.org/aligned/category/alignment-defined/>

01:02:32 Ellen Metzger: Thanks, Brian!

01:02:33 Amy Price: Thank you!

01:03:45 Lesly Brown: Thank you!

01:03:53 KEISHA SMITH: where to get most missed 7th grade standards

01:03:57 Mary France Imperial: Thank you :)

01:03:59 John Sasko: Thanks Brian and Rebecca. I've used the blog  
articles with teachers and they are very grateful!

01:04:06 Cheryl Ann Doyle E Barran: thank you Brain for making me see  
connections

01:04:18 Valentina Sorescu: Thank you so much!

01:04:24 Valerie Davis-Fells: Thank you, Brian!

01:04:31 Melonie Smith: Thank you

01:04:34 Stephanie Bernabe: Thank you for showing the connections

01:04:35 Victoria Truman-Dooley: Thank you for the connections!

01:04:40 tracey simmons: thank you

01:04:54 Macobia Harris: Thank You!

01:05:01 Jet Yeung: Thank you for your skills and information.

01:05:02 John Sasko: Go BRONX!

01:05:08 Vikas Saxena: Thanks a lot to NCTM AND to BRIAN for the wonderful session.  
01:05:11 Viragni Chand: Thank you  
01:05:13 Daniel Irving: Thank you for taking the time to share such invaluable information and ideas with us!  
01:05:14 Cindy Bryant: AGREE Lorie!  
01:05:14 Judith Owens: Thanks!  
01:05:14 Kathleen Masticola: Thank you!  
01:05:24 WARA SABON DOMINIKUS: great presentation. thanks.  
01:05:33 Keiara Jones: Thank you this session was very helpful!  
01:06:13 Faith Peddie: @Susan, the session ended a bit early tonight!  
01:06:42 Cindy Bryant: Great point Michael!  
01:06:48 Julie Herron: Thank you! This was wonderful.  
01:06:56 Stephenia Courtney: Thank you  
01:06:58 Tanya Landry: Thank you!  
01:06:59 Bethany Morton: thanks!  
01:07:01 Ondrea Johnston: Thank you!  
01:07:04 Sharon Black-MacKinnon: Thank you so much for sharing!  
01:07:04 Tameillia Cain: you too!  
01:07:05 Tatiana Pereyra: Thank you  
01:07:06 Catherine Alicz: Thank you!  
01:07:08 Donna Misciagna: Thank you!  
01:07:08 Wanda Parker: Thank you!  
01:07:10 Jasmine King: THANK YOU!