Erica Schlumbrecht:Hello!

Kristin Keith:Hello, hello!

Kristin Keith:Where is everyone from this evening?

Jean Tarjan-Schindler:Elm Grove, WI

Erica Schlumbrecht:I am from Miami! I teach first grade math!

Jean Tarjan-Schindler:I teach 4th Grade

Lynn Baker:South Charleston, WV

Carol Rollings:Sumter, SC

Ray Szczepaniak:Salt Lake City

stacey johnston:Guthrie, OK

Heather Nunnally:Richmond, VA

Nancy Clement:Nancy Clement Dedham a

Nancy Clement:Ma

Erin Sullivan:Port Wing, WI

Sarah Dickie:Hello! I am from Charlottetown, Prince Edward Island

Paige Castleberry:Stephenville, TX

Bianca Gaither:hello from Birmingham, AL

Rebecca Kirkland:Nashville, TN

Jennifer Bay-Williams 2:Louisville, Kentucky

Gina Kling:Gina Kling: Kalamazoo, Micighan

Vicki Hamdorf:Vicki Hamdorf Lowden, IA

Kathy McNutt:Kathy McNutt; Hello from Rocky Mountain House, Alberta

Jenifer Hutchinson:TUcson, AZ

Kate Greeley:Hi from Maine.

Janet Budden:hi there. I'm from Halifax Nova Scotia Canada

Celia Higginbotham:Euless, TX

Jean Rowley:Huntington Beach CA

Margot Gerber:Margot Gerber from Loveland, CO. Hello.

Stacie Kyhn:Apache Junction, AZ

Barbara Edwards:Hello from MA

Benjamin Pringle:Turtle Lake, WI

Rachael Johnson:Hi from Brandon Fl!

Rachael Johnson:Hi Rach!

Bianca Gaither:will be able to access this later?

Kathy Ernst:Kathy Ernst: Greetings from West Brattleboro, VT

Deepa Bharath:Hi from Arlington, MA

Gina Kling:Hi Bianca: Yes, it will be accessible later.

Barb Borgwardt:Fountain City, WI

Kim Lee:Hi from RI

Janet Budden:I'm a math Coach and I've been in education for 18 years

Diana McMasters:Hi from Connecticut!

Kelli Flanigan:Hey from Texas!

Kristin Keith:Bianca- yes! We are recording this webinar, and it will be available on our website tomorrow.

Barbara Edwards:Automaticity

Sarah Dickie:Flexibility

Lynn Baker:flexibility

Erica Schlumbrecht:Smooth

Rachael Johnson:doing it quickly without thinking about it

Rebecca Kirkland:similar to muscle memory - automatic

Jean Tarjan-Schindler:recall

Barbara Child:autoaticity

Kelly Carlson:automaticity, flexibility, and

Bianca Gaither:using what you know to get to the answer

Nancy Clement:automaticity

stacey johnston:done accurately with ease

Kim Lee:accuracy, flexibility, and

Jean Tarjan-Schindler:patterns

Kate Greeley:accuracy, flexibility,automacity, correct strategy for numbers presented

Margot Gerber:ability to quickly answer

Kelli Flanigan:flexibility

Stacie Kyhn:Can efficently apply

Jenifer Hutchinson:cognitive flexibility with math facts (i.e. creating number pairs)

Sue Turner:Abiltiy to use facts in many ways

Kathy Ernst:flexibility, efficiency, accuracy

Vicki Hamdorf:Being able to come up with solutions for basic facts easily.

Paige Castleberry:automatic

Bianca Gaither 2:Counting Collections!!!

Jennifer Bay-Williams 2:Yes! Great connection!

Kelly Carlson:doubles plus 1

Kathy McNutt:6+6+1

Bianca Gaither 2:i know doubles - 6+6 = 12, and add 1 more

Sue Turner:Use doubles plus one or minus one

stacey johnston:6 is a double, so 12, plus 1 is 13

Barbara Child:doubles plus one

Kate Greeley:i know 6 +6 is 12 so one more is 13

Heather Nunnally:5 x 7 = 35, 35 + 7 = 42

Margot Gerber:6 groups of 7

Kathy Ernst:(6+6)+1

Sarah Dickie:6 + 6 +1

Rachael Johnson:6+6:12 +1 =13

Naomi Church 2:I know 6+6 =2+1 more is 13.

Jessica Heasley:6x6=36+6=42

Monika Burnside:5 x 7 is 35, and one more 7 is 42

Jean Dugan:5x7 is 35 so 6x7 is 35+7 more

Bianca Gaither 2:7X5= 35, add 7 more = 42

Naomi Church 2:Ooops 6+6=12+1=13

Kate Greeley:6x5 and and 6 x2

Kelly Carlson:7X5=35 + 7= 42

Nancy Clement:6x6 first then add another 6

Paige Castleberry:5x7=35+7=42

Derrick Neal:3x7 + 3x7

Gina Kling:Awesome strategies, everyone! :)

Rachael Johnson:Makes so much sense! Looking forward to a great year!

Gina Kling:So glad to hear that, Rachael! :)

Jean Dugan:60-6

Derrick Neal:6x10-6

Vicki Hamdorf:6 * 10 -6

Kelly Carlson:6X10=60-6=54

Heather Nunnally:subtracting a group of 6

Sarah Dickie:6 x 10 - 6

Barbara Child:6 x 10 subtract a group

Jenifer Hutchinson:same :)

Jean Dugan:3x9=27 doubled 54

Barbara Edwards:use 6x10

Kelli Flanigan:6 x10 subtract a group

Kate Greeley:5x9 and then 9 more

Sue Turner:5x9 plus 9

Kim Lee:9x5 + 9

Kelly Carlson:(3x9)+(3x9)

Diana McMasters:6 x 10 -9

Nancy Clement:6x10 then work back from there

Derrick Neal:6x5 30 = 6x4 24

Kathy Ernst:6x10 =60; 60-6

Bianca Gaither 2:14

Barbara Edwards:14

Kate Greeley:5,5 and 2, 2

Heather Nunnally:7+7 = 14

Bianca Gaither 2:i saw 5x2, then 2x2

Nancy Clement:2 groups of 10 plus 4

stacey johnston:15

Bianca Gaither 2:15

Kim Lee:8 + 7 = 15

Heather Nunnally:one more

stacey johnston:10+5

Jean Tarjan-Schindler:group of 10- and 5

Bianca Gaither 2:5x2, then 3+5

Nancy Clement:3 groups of 5

Jenifer Hutchinson:15, 5, 5, 3 and 2 another 5

Diana McMasters:5 + 5 and 3 +2 = 10 + 5

Derrick Neal:15

stacey johnston:15

Margot Gerber:2 groups of 5 + 3 + 2

Jean Tarjan-Schindler:10 + 5

Kim Lee:9+6=15

Rachael Johnson 2:10+5

Bianca Gaither 2:we do these but allow three looks.

Sarah Dickie:Great suggestion to imagine the ten frame!

Gina Kling:I sometimes allow a third look as well, Bianca. Especially on the tougher ones.

Bianca Gaither 2:we've also found it beneficial to record the equations as the students explain the image to the equation.

Bianca Gaither 2:i love the imagine the ten frame!

Margot Gerber:subitizing? or something like that?

Gina Kling:Yes, they need help bridging between the image and the more abstract equations.

Rachael Johnson:a

Sarah Dickie:A!!

Heather Nunnally:A

Kim Lee:A

Kelly Carlson:a

stacey johnston:a

Jean Tarjan-Schindler:A

Kate Greeley:A!

Naomi Church 2:A

Barbara Edwards:a

Jessica Heasley:a

Kathy McNutt:a

Margot Gerber:a

Paige Castleberry:a

Barbara Child:A

Vicki Hamdorf:A

Jenifer Hutchinson:a

Derrick Neal:b

Kathy Ernst:A!

Gina Kling:Yes, Margot, Quick Looks utilize the skill of subitizing, aka instantly seeing the quantity

Heather Nunnally:Teachers can hear them talk!

Gina Kling:Quick Looks also develop skill with decomposition, a huge idea!

Bianca Gaither 2:i would use larger cards for students that are higher

Rachael Johnson:pretend a 10

Sarah Dickie:Use a ten frame and counter

Bianca Gaither 2:go fish for 5 or 20

Kathy Ernst:subtraction

Jenifer Hutchinson:eliminate face cards for lowerlevel

Kim Lee:there are subitizing cards that you could use instead of playing cards

Jean Dugan:Do you have half of 18?

Naomi Church 2:physically bigger cards for students who are visually impaired

Sue Turner:Have more than 2 addends allowed to make 10

Diana McMasters:Like Cribbage - combos of 15

Monika Burnside:For multiplication, could play go fish for specific facts that are laid out on a bingo board

Jenifer Hutchinson:use dominoes instead of cards

Gina Kling:Sue's idea of more than 2 addends is often a way children will naturally differentiate Go Fish for 10s themselves!

Bianca Gaither 2:8 and 5

Jeannette Costa:where can you buy tens frame cards?

Bianca Gaither 2:7 and 6

Kate Greeley:Could you use three cards?

Heather Nunnally:Love those cards!

Bianca Gaither 2:7, 5, 1

Bianca Gaither 2:oh only 2 - yikes

Jean Tarjan-Schindler:7, 1, 5

Kim Lee:can you only use two cards?

Bianca Gaither 2:i'd do 10 and 0

Jean Dugan:6+6

Kate Greeley:or 6 and 6

Sarah Dickie:In your book, do you discuss which fact sets and strategies are supported by each game?

Jean Dugan:Can they play while still in the counting phase or do you have to wait for strategy development first?

Kate Greeley:I have played tic tac toe factor before but not with a focus on just fives. Great idea.

Bianca Gaither 2:is it 5 points per trio or 1?

Gina Kling:With respect the Sarah's question, yes, the book has specific games to go along with

the different fact sets and operations.

Bianca Gaither 2:i love doing the multiples!

Sarah Dickie:Thank you!

Bianca Gaither 2:will you guys show the book again at the end/

Sarah Dickie:Play with different multiples

Gina Kling:Many games can and should be played to help provide opportunities for children to move from counting to Phase 2. Very importantly, speed should NOT be a factor in games when children are still in the earliest phases, or that will actually interfere with strategy development. Initially wrestling through stratgies takes time., but is worth that by the end.

Pamela Seda:For middle school students you can make negative numbers red

Jean Tarjan-Schindler:How about 6-squared plus or times the uncovered card

Margot Gerber:I love the negative number idea, Pamela!

Bianca Gaither 2:b

Pamela Seda:Are face cards 10 points?

Kate Greeley:love this game!

Sarah Dickie:This is a great game!

Bianca Gaither 2:this is an amazing tie in to partial quotient. love love love

Kate Greeley:Do you have exit tickets for games?

Jennifer Bay-Williams 2:Thanks, Bianca!

Jennifer Bay-Williams 2:We do not have exit tickets for specific games but love that idea. We do offer s ideas for writing prompts related to strategies

Kim Lee:1

Naomi Church 2: 1 maybe 2

Kathy McNutt:2

Kelly Carlson:1

Carol Rollings:2

Monika Burnside:1

Celia Higginbotham:1

Jean Tarjan-Schindler:2

Jenifer Hutchinson:2

stacey johnston:2

Heather Nunnally:1

Barbara Edwards:2

Sarah Dickie:1 maybe 2

Nancy Clement:1

Margot Gerber:2

Diana McMasters:1

Jessica Heasley:2

Barbara Child:1 accuracy

Jayla Martin:1

Bianca Gaither 2:1

Rebecca Kirkland:2

Kathy Ernst:0

Naomi Church 2:accuracy for sure and possibly efficiency

Bianca Gaither 2:we can't see it.

Kathy Ernst:1-accuracy

Bianca Gaither 2:i was that kid!!!

Jean Tarjan-Schindler:Gives me a new perspective on efficiency

Sarah Dickie:So distressing how many stories like that are out there!

Heather Nunnally:Love that story! My son hates to write b/c it takes him awhile

Jennifer Bay-Williams 2:Ditto for my son.

Nancy Clement:Love the fact sort

Kate Greeley:When do you use R and when do you use * ? Are they the same?

Jennifer Bay-Williams 2:Good point - the R is for a student who might have taken a while, but then says, "i just know"...the A confirms it was within 3 seconds. But, very similar

Kate Greeley:thanks

Rachael Johnson:I will stop using times fact tests

Bianca Gaither 2:G - I am going to add these games to my toolbox

Diana McMasters:I like the interview ...

Nancy Clement:Using techm

Celia Higginbotham:G: Use games with my struggling sixth grade tutoring student this summer.

Derrick Neal:I will STOP using time facts.

Jenifer Hutchinson:I am going to share these strategies during my dsycalculia pd

Barbara Edwards:I am going to use some of these games

Rakitia Delk:I am going to interview students more.

Rebecca Kirkland:G: Use the Self Assessment/Reflection pages

Diana McMasters:I have small groups, so that's ideal!

Sarah Dickie:Thanks so much for this! It was great to get a peak at the games you provide in your book.

Margot Gerber:G-I am going to encourage use of more strategies....and have the students share their explanations with the class or group.

stacey johnston:G I am going to use the fact sort

Paige Castleberry:I am going to use the make 10

Rebecca Kirkland:R: Stop using timed test

Monika Burnside:G be mindful of assessing students during game play

Bianca Gaither 2:this was RIGHT ON TIME! we've been doing pd with our administrators on math teaching

Heather Nunnally:I am going to continue to teach my pre-service teachers that fact fluency does not always mean students know their facts quickly.

Sue Turner:I am going to look for stories that will complement the strategies we are working on. I am also going to have students do self assessment.

Rakitia Delk:I also like the "sort the facts" into bowls idea.

Diana McMasters:I use cards all the time, these are giving me many more options and differentiated strategies

Nancy Clement:Using technology...any place to enhance games shared???

Margot Gerber:G-students are great at sharing strategies with each other

Derrick Neal:I am CONTEMPLATING using the games in my centers

Celia Higginbotham:G:Purchase the book. Thanks for the link!!

Kate Greeley:I am going to play some games with administrators!

Vicki Hamdorf:I am going to teach a math class to parents about helping their children with facts

Monika Burnside:Y I am contemplating how to speak with administration about our manditory timed tests!

Rachael Johnson:I am totally using these games with my kiddos! Love them!

Derrick Neal:I am GOING to have students write a story twice a week for HW

stacey johnston:Kate :)

Jean Dugan:Question: How do you incorporate concrete/pictoral models during games for learners who don't have a mental visual connected to abstract numbers? For example, where do we get ten fram cards?

Bianca Gaither 2:i definitely want to purchase books for my teachers

Kelly Carlson:Thank you ladies! Love all the new ideas!

Rakitia Delk:Great idea, Kate G!

Jean Rowley:Thanks for the info!

Kathy Ernst:I am going to recommend your book to all teachers with whom I work!

Vicki Hamdorf:I really like all the games. Thanks for sharing.

Kim Lee:Great articles! We've used them!

Sarah Dickie:I have shared that article so often with administrators!

Barbara Edwards:Do you have a link t the article?

Gina Kling:Thank you all for spending a precious summer evening with us!! :)

Nancy Clement:Thanks so much!

Kate Greeley:Have your book and love it!

Kim Lee:Boston! Yay!

Bianca Gaither 2:are you guys going to be in nashville?

Bianca Gaither 2:are you guys going to be in nashville?

Jennifer Bay-Williams 2:I will be in Nashville

Bianca Gaither 2:this was amazing!

stacey johnston:Thank you!

Heather Nunnally:Great job! Thanks ladies!

Jennifer Bay-Williams 2:Thank you!!

Rachael Johnson:THank you so much! Great webinar!

Barbara Edwards:Will you be in Boston?

Jennifer Bay-Williams 2:No :(But I will be in Salt Lake