

Elementary Math and ELA Parent Meeting



April 14, 2021

Presented by:
Teaching & Learning

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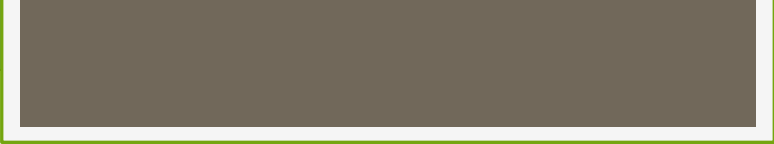


Math Objectives

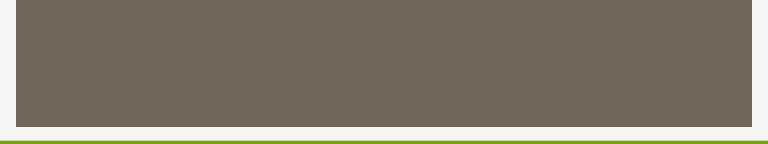
- How have our math standards changed the math classroom?
- How can I help my child with their math homework?

MATHEMATICS
is not about
numbers, equations,
computations, or
algorithms:
it is about
UNDERSTANDING.

William Paul Thurston



How do our students
become
Strong Math Students?



In the past, we focused on: Procedural
Knowledge
(Steps)

We have shifted focus to:
Conceptual Understanding
(knowledge of what it means and
how to do it)

Strategies



Draw a Picture

Draw how many you begin with and cross out how many you take away.

$$3 - 2 = 1$$


Count Backwards

Count back on a number line or fingers to see where you end up.

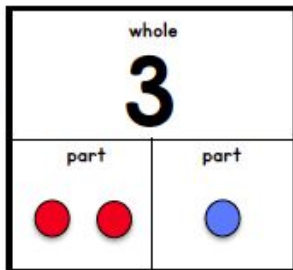



$$5 - 2 = 3$$

Part-Part Whole



Whole minus part equals part.

$$3 - 2 = 1$$

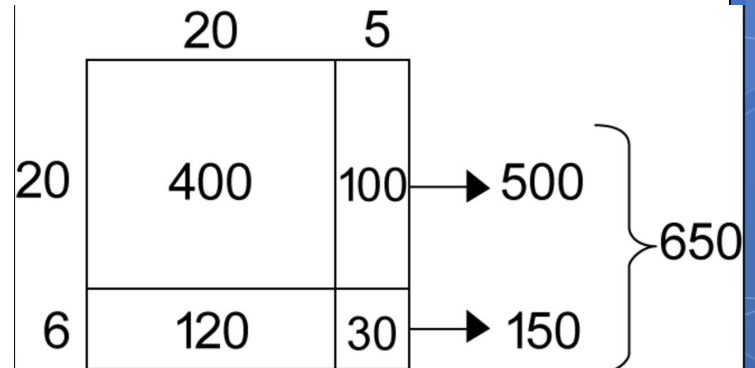
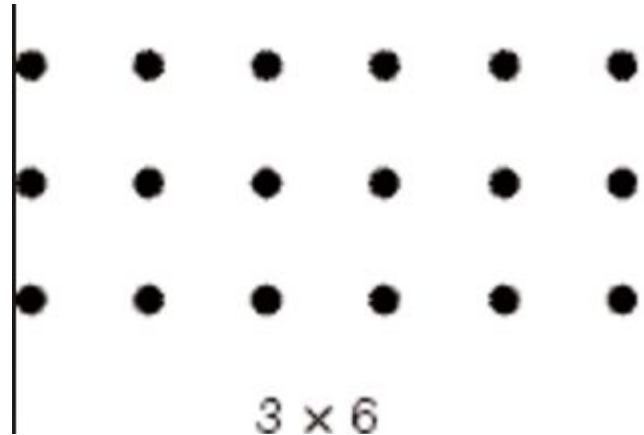


Count Forward

How many jumps from the middle number to the first number?

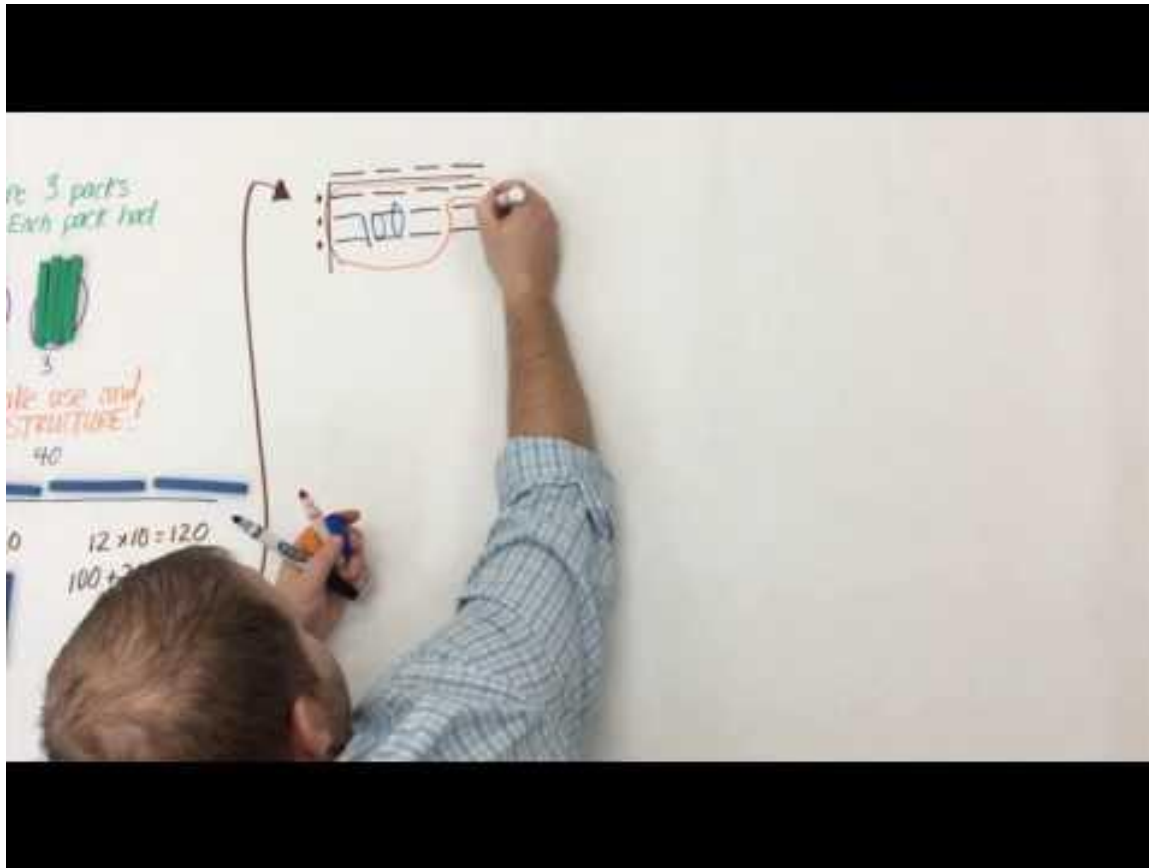



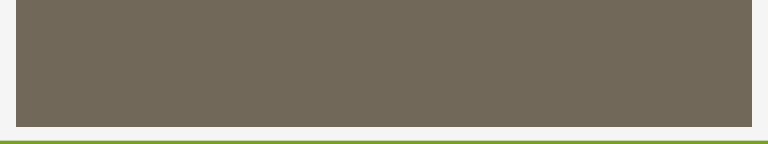
$$5 - 3 = ? \rightarrow 3 + ? = 5$$



Graham Fletcher

Video on Multiplication Progression





A Strong Math Student
has acquired
Number Fluency

**How can I help my
child build fluency at
home?**

Number Talk

$$26 + 26$$

Talk about how you do mental math

Ask math problems, even challenging problems to solve mentally:

- For example: $45+66$
- How did you get your answer?

Talk about Math

Ask questions about their thinking:

- How do you know the answer?
- What strategy did you use?
- Is there another way you could figure it out?
- What do you already know? (if they are stuck)

Talk to Your Child About Math While....

- Cooking
 - Measuring, fractions
- Sewing
- Shopping
 - Counting, working with money, estimating totals
- Banking/Working with money
- Telling Time

Math Games

- Cards/Dice for addition, multiplication
- Building tens with Legos
- Adding/Subtracting with Legos, beans, etc.
- Deck of cards for comparing fractions
- Hit the Number- Practice equations (add/subtract/multiply/divide) to reach target number with cards

Math Games

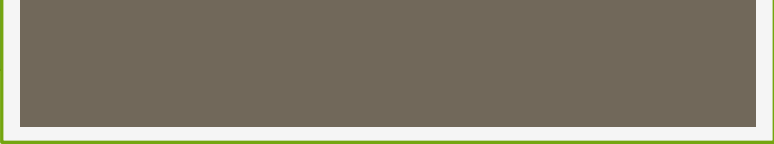
Quick Draw



How To Play:

Deal all of the cards out into two stacks. one player says, "draw" and both players turn over their top card. The first player to say a correct addition sentence and sum gets to keep the cards. The winner is the player who has the most cards when the bottom of the stack is reached.





A Strong Math Student
is an
Empowered Problem-Solver



Questions?

ELA Objectives

- How have our ELA standards changed the English Language Arts classroom?
- How can I help my child with their reading and writing homework?

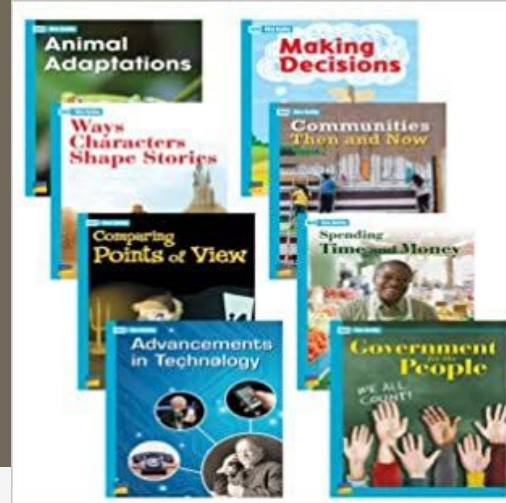
- Read as much non fiction as fiction
- Learn about the world by reading
- Read more challenging material closely
- Discuss reading using evidence
- Write non-fiction using evidence
- Increase academic vocabulary

The Shifts in English Language Arts



The biggest difference: THE READING TEXTBOOK

- Standards Aligned:
Instruction in Reading, Writing, Listening, and Speaking
- Annotations:
Students can write in their books and students use each book for three weeks.
- Nonfiction:
Social Studies and Science Topics



New Language Arts Program



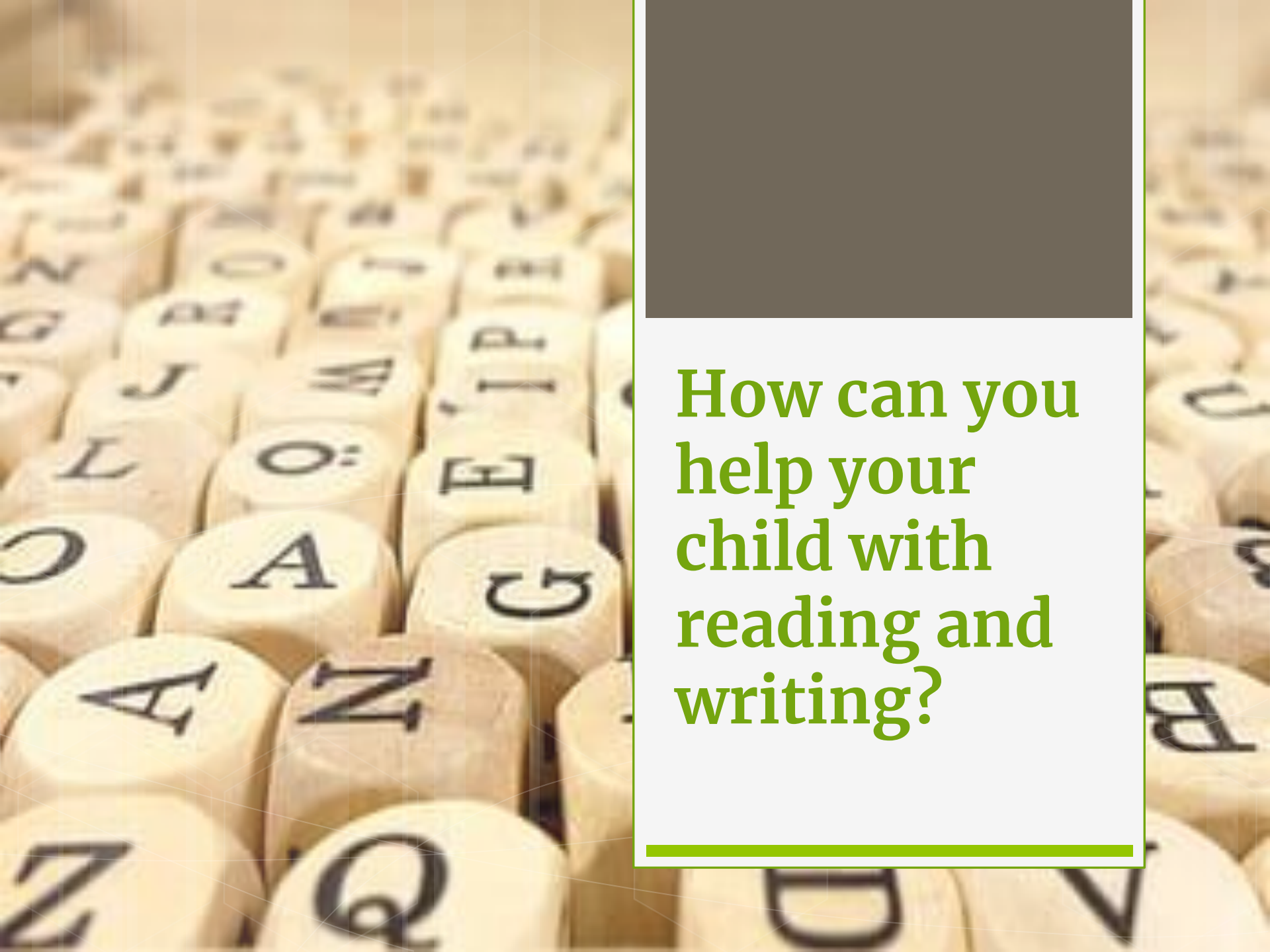
What is different about
Benchmark Advance and
Benchmark Adelante?

When teaching to the standards:



A few
things to
remember...

- Lessons may be taught out of order and at a different pace.
- Some lessons may be combined with others.
- Outside resources may be used to teach standards.

A close-up photograph of numerous light-colored wooden letter tiles scattered across the surface. The tiles are cylindrical and feature various letters in a serif font. Some visible letters include 'A', 'N', 'Q', 'Z', 'G', 'E', 'I', 'P', 'R', 'S', 'L', 'J', 'R', 'O', 'M', 'M', 'I', 'B', 'D', 'V', 'B', 'A', 'O', 'L', 'O', 'N', 'Z', 'I', 'H', 'T', 'F', 'E', 'C', 'A', 'S', 'X', 'Y', 'K', 'G', 'H', 'I', 'J', 'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T', 'U', 'V', 'W', 'X', 'Y', 'Z'. The background is a soft, out-of-focus light brown.

**How can you
help your
child with
reading and
writing?**

Parent Support for the ELA Shifts...

- ✓ Provide more *non-fiction text*, such as magazines articles, and read aloud with your child.




Parent Support for the ELA Shifts...


- ✓ Ask your child specific questions about what they read and have them show you “**evidence**” from what they are reading that support their responses.

**Reading With Your Child-
Before and During!**

- What story clues are in the title and in the pictures?
- Is this selection fiction or nonfiction?
- How do you know?
- Why do you want to read this story?
.....
- What do you think will happen next?
- How do you feel about the main character?
- Would you do things differently if you were the main character?
- Does the story text make sense to you?
- How do you think the story will end?
- Is the author trying to teach you something?



**After Reading
With Your Child**



**When You Think You're Done,
You've Just Begun!**

After enjoying a book with your child, (whether he reads to you, or you read to him) continue the experience by asking:

- How did the story make you feel?
- What did you like or dislike about the story?
- Does the story remind you of any other story?
- What were you wondering as you read?
- Does this book make you think of anything else you've read?
- What was your favorite part?
- Were there any parts that surprised you?
- What are you going to read next?

*Adapted from Johnson and Keier,
"Catching Readers Before They Fall"

Parent Support for the ELA Shifts...

Have your child follow step by step instructions or a set of directions in order to accomplish a task, such as building a sandcastle or operating a game.

Quick Draw



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Reading Sites

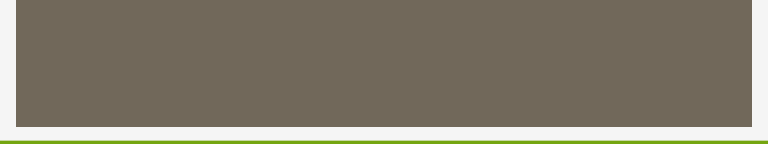
Links available on the [GUSD website](#)

- [Unite for Literacy](#) - Non Fiction for Little Learners
- [Starfall](#) - Literacy Games Grades K-2
- [Just Books Read Aloud](#) - Read-alouds by Reading Level
- [Tumblebooks](#) - Digital Library in cooperation with Arcadia Public Library

Writing

[GreatSchools.org](https://www.GreatSchools.org) has videos to show parents what writing samples look like from the start of the year to the end at their child's grade level.

Here is a [video](#) for first grade.



Math and Literacy Family Guides

(AchievetheCore.org)

What do you notice? What
questions do you have?



Questions?

Thank You!

Teaching & Learning

