

## Summer ZEARN for Rising 2<sup>nd</sup> Graders

### Summer Math Intensive Series: Rising 2nd Graders

For rising 2nd graders, the G1 Summer Intensive Series focuses on counting, composing, and decomposing with large enough numbers to prepare them for 2nd grade. The G1 Summer Intensive Series is intended to build a strong foundation of flexible strategies for all students to fall back on as they engage with Grade 2 content and beyond.

#### Content for Rising 2nd Graders: 23 Total Lessons

Mission	Mission Title	Standards	Lessons	Topics
G1M4	<p><b>Add and Subtract Bigger Numbers</b></p> <p>This Mission builds on the foundations of counting on, decomposing, and counting strategies that were established in Mission 1 and Mission 2. This gives students the opportunity to work with numbers up to 40. Students will learn many new strategies to identify tens and ones, and they'll compare, add, and subtract numbers up to 40. Reinforce this new content by using the provided word problem each day.</p>	<p>1.OA.1 1.NBT.1 1.NBT.2 1.NBT.3 1.NBT.4 1.NBT.5 1.NBT.6</p>	23	<p>Topic A: Tens and Ones</p> <p>Topic B: Comparison of Pairs of Two-Digit Numbers</p> <p>Topic C: Addition and Subtraction of Tens</p> <p>Topic D: Addition of Tens or Ones to a Two-Digit Number</p> <p>Topic E: Varied Problem Types Within 20</p> <p>Topic F: Addition of Tens and Ones to a Two-Digit Number</p>



# Summer ZEARN for Rising 2<sup>nd</sup> Graders



At Zearn, we believe that Summer 2022 is an important opportunity to accelerate our collective work to help all students catch-up and move forward with their learning.

## Introducing Zearn Summer 2022 Math Intensive Series

Zearn's Summer 2022 Intensive Series are designed based on learnings of the over 8.5B math problems completed on our math platform: where students struggle and the specific foundational support that kids need to access grade-level math content. During the academic year, we identify and recommend these foundational lessons to teachers so they can be used for deeper interventions. Our Summer Series pulls-forward these recommendations into coherent summer math experiences. Each Summer 2022 Intensive Series offers coherent, focused 4-week sequences that build the strong foundations all rising 1st through 9th graders need to move forward during the 22-23 academic year.

## Comprehensive materials for 4-6 week programs

Each Series consists of top-rated materials that can be used flexibly across summer programs:

- **Daily digital math lessons** offer a consistent structure of learning activities, designed to accelerate learning by integrating unfinished learning into the context of new learning. Students explore new concepts with real on-screen teachers, visualization of every math concept, interactive problem solving, and guided paper-and-pencil Student Notes.
- **Materials for hands-on problem solving** offer teachers and tutors daily application problems they can use to facilitate lively math discussions where students explore different ways to solve problems, unlocking creativity and joy with math.
- **Real-time reports on student learning** provide visibility into student learning and where students need additional support to move forward in their learning.

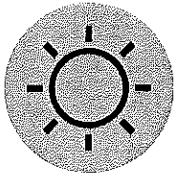
## Focused on the big ideas of math

Each Summer 2022 Math Intensive Series deeply explores the big ideas of math to build the dense connections students need during the upcoming school year. In younger grades, students explore one big idea, like addition and subtraction. In older grades, students tackle longer sequences covering a few big ideas, building a strong foundation in critical capstone content that they will need for success in later grades.

**Recommended Usage:** In each 4-6 week program, rising 1st through 3rd graders should complete 1 lesson each day (~30 minutes). Rising 4th graders through rising 9th graders should double up on lessons, completing 2 lessons each day (~60 minutes) throughout the summer program.


Explore the content of Zearn's Summer 2022 Math Intensive Series on the following pages:





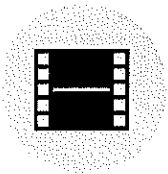
## Summer Reading Bingo Challenge

Your growing reader can boost their literacy skills all summer long with these fun activities. Have them go for five in a row, or try to fill the whole board!

<p>Pretend to be a character from your favorite book. Dress up to look like that character, and talk in a voice you think they would use.</p>	<p><i>Firefly, Starfish, Pigpen, Hotdog.</i> These compound words are made up of two smaller words. Draw the two smaller words, and then draw each compound word.</p>	<p>Share your favorite book with a friend or family member. Show the front cover, the title, the author, and the illustrator. Then, show and describe your favorite page.</p>	<p><i>Wave, yard, and ring</i> are multiple meaning words. Draw a picture that shows two different meanings of each word.</p>	<p><i>once • were • of • why • live • from • very • put</i> Write each sight word on a note card. See how quickly you can read them all. Then, try to beat your record!</p>
<p>Set up a reading nook. Make it comfortable with pillows, blankets, and stuffed animals. Be sure to leave room for lots of books!</p>	<p>Play Go Fish with a set of contraction word cards! Write each contraction on one card and the two words that form it on another.</p>	<p>Tell a friend or family member about your favorite informational book. Explain the main idea, and tell about three important details.</p>	<p>Plan a birthday party for your favorite book character. Make an invitation and "send" it to other characters. Be sure to fill the party with things the character would like.</p>	<p>Use the letters in your first and last name to make as many smaller words as you can.</p>
<p><i>clear • striped • short • silky • fresh • rubbery</i> These are all describing words. Go on a scavenger hunt for items that fit each description!</p>	<p>Draw a picture with interesting details. Tell a story about your picture. What's going on? What happened before? What will happen next?</p>	<p><b>FREE</b></p>  <p><b>SPACE</b></p>	<p>Some letter pairs — <i>sh, ch, th, and ck</i> — make one sound when they team up. Use words like <i>rush, chop, thin, and back</i> to make pairs of word cards and play Go Fish!</p>	<p>Think about your favorite story. Where do the characters live? Where does the action happen? Draw a map that includes details from the story.</p>
<p>Go on an indoor camping trip. Drape a sheet over two chairs to make a tent, stock it with books, grab a flashlight, and go camping!</p>	<p><i>could • have • many • again • from • says</i> Write each sight word on a note card. See how quickly you can read them all. Then, try to beat your record!</p>	<p>Tell a story with toys or objects in nature. Take three photos to show the beginning, the middle, and the end. Share the photos and your story with a friend.</p>	<p>Pick a category, like sports, and name as many things as you can in one minute. Play again with another category, and try to beat your record!</p>	<p>Reread a favorite story aloud. As you read, use a different voice for each character and the narrator (the voice telling the story).</p>
<p><i>Bang</i> and <i>fang</i> are in the same word family — they have the same ending letter pattern. Add more words to that family, and then make word families for <i>sing, kick, and junk</i>.</p>	<p>Go on an alphabet scavenger hunt. For every letter, look for and write down the name of an object that begins with that sound.</p>	<p>Draw a picture of yourself standing next to a book character. Explain to a friend or family member how you and the character are the same and how you are different.</p>	<p>Tell a friend or family member about your favorite story. Describe it in three parts: the beginning, the middle, and the end.</p>	<p><i>Bike, cake, rope, and tube</i> have a long vowel sound and end with a silent e. Reread a story and look for silent-e words.</p>



Family support boosts learning, and Lexia is here to help. Try these fun games and activities to reinforce and build your growing reader's literacy skills from home.



## Act It Out

Help your growing reader develop compare and contrast strategies by playing charades. Talk about categories, like animals or sports. Work together to brainstorm what's the same and different from category to category, as well as what belongs and doesn't belong. Then, act out objects or items from each category.

Like this activity? Make the game even more challenging by narrowing the categories: ocean animals, insects, or pets.



## Art Studio

*Goldfish. Pancake. Football.* What do these words have in common? They're all compound words made up of two smaller words.

To boost vocabulary, talk about the meaning of each small word and then the meaning of the compound word. Have your growing reader use the words in different sentences.

Then, try this fun activity. Have them draw the two smaller words (gold, fish) before drawing a picture of the compound word (goldfish).

butterfly	flagpole	rainbow
cartwheel	hotdog	starfish
earring	milkshake	sunflower
firefly	pigpen	timeline



## Word Play

Paper chains for word learning? Yes! A word chain is a set of words that change by one sound at a time. Word necklaces go one step further. They start and end with the same word. Here's an example:

**cat → cast → cost → lost → last → fast → fat → cat**

Have your growing reader write word chains on interlocking loops of paper to create a necklace of words. Here are some other word chains to keep the fun going:

**spot → pot → plot → lot → lost → list → last → past → post → pot → spot**

**bake → cake → take → lake → lane → line → like → bike → bake**

Next, challenge kids to think of their own word necklaces or to make the longest chain they can, adding new words every day!

