

## Summer ZEARN for Rising 6<sup>th</sup> Graders

### Summer Math Intensive Series: Rising 6<sup>th</sup> Graders

For rising 6<sup>th</sup> graders, the G5 Summer Intensive Series focuses on essential fractions and decimal operations work. The Summer Intensive Series is intended to ensure students are prepared for 6<sup>th</sup> grade math to be an extension of elementary school work.

Content for Rising 6 <sup>th</sup> Graders: 48 Lessons				
Mission	Mission Title	Standards	Lessons	Topics
G5M3	<b>Add and Subtract Fractions</b>	5.NF.1 5.NF.2	16	Topic A: Equivalent Fractions Topic B: Making Like Units Pictorially Topic C: Making Like Units Numerically Topic D: Further Applications
	In this Mission, students will develop flexibility with addition and subtraction of fractions so they can mentally or numerically solve, reason, and estimate their calculations. The Mission begins with concrete and pictorial work (using area models and number lines) and moves to numeric work with word problems by the end.			
G5M4	<b>Multiply and Divide Fractions and Decimals</b>	5.OA.1 5.OA.2 5.NBT.7 5.NF.3 5.NF.4 5.NF.5 5.NF.6 5.MD.1 5.MD.2	32	Topic A: Line Plots of Fraction Measurements Topic B: Fractions as Division Topic C: Multiplication of a Whole Number by a Fraction Topic D: Fraction Expressions and Word Problems Topic E: Multiplication of a Fraction by a Fraction Topic F: Multiplication with Fractions and Decimals as Scaling and Word Problems Topic G: Division of Fractions and Decimal Fractions Topic H: Interpretation of Numerical Expressions
	Students tackled equivalency in adding and subtracting fractions in Mission 3, and now they're ready to focus on multiplying and dividing fractions. Their understanding will be deeply rooted in multiple concrete examples and pictures before they generalize to more abstract methods.			

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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

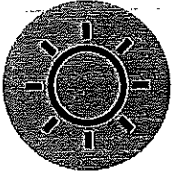
Each Summer 2022 Math Intensive Series deeply explores the big ideas of math to build the dense connections students need during the upcoming school year. In younger grades, students explore one big idea, like addition and subtraction. In older grades, students tackle longer sequences covering a few 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.

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


# READ@HOME

GRADE 5 LITERACY BUILDING ACTIVITIES



## Summer Reading Bingo Challenge

Your 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>Find a newspaper article to read aloud. Practice first to make your voice sound natural as you read. Then, make a recording of yourself as a newscaster.</p>	<p>Play a game of catch. Pick a prefix (<i>in-</i> or <i>fore-</i>) or suffix (<i>-ity</i> or <i>-ic</i>). Say a word with that word part, and pass the ball, thinking of a new word each time.</p>	<p>Interview friends and family members about their favorite books. Ask them to tell you what each book is about and what they like about it.</p>	<p>Find an example of each of these text features: a table of contents, an index, a glossary, a labeled diagram, a captioned photo, a heading, and a subheading.</p>	<p><i>accurate</i> • <i>expand</i> • <i>remote</i> • <i>significant</i> • <i>superior</i></p> <p>For each word, write a synonym and an antonym. Then, think of your own set of related words.</p>
<p><i>perspective</i> • <i>issue</i> • <i>conflict</i> • <i>resolution</i> • <i>despite</i></p> <p>Look up the definition of each word, and write it down. Then, write a paragraph using all five words.</p>	<p>Read a historical fiction book. List five facts about history you learned from the book.</p>	<p>Write about a time you disagreed with someone. Then, rewrite the same story, but from the other person's perspective.</p>	<p>Read two books by the same author. Draw a Venn diagram to show what is similar and what is different.</p> 	<p>Use the letters in <i>Summer Reading Bingo Challenge</i> to make as many smaller words as you can.</p>
<p>In a book you're reading, find five words you don't know. Try to figure out the meaning by looking for clues in the words around it. Then, use a dictionary to check your guesses.</p>	<p>Create a presentation that shows how two sports are alike and how they're different. Use compare and contrast signal words and phrases like <i>in contrast</i> and <i>similarly</i>.</p>	<p><b>FREE</b></p>  <p><b>SPACE</b></p>	<p>Draw a picture of yourself standing next to a book character. Label details in the picture to show how you and the character are the same and how you are different.</p>	<p>Read a new book, and write a review. Describe what you liked and what you didn't like. Share your review with a friend or family member.</p>
<p>Read two articles on the same topic. Use a Venn diagram to show which information is in both texts and which is in only one.</p> 	<p>Find a poem you like, and practice reading it aloud. Then, create a beat to go with it. (Try tapping a pencil on a table!) Record yourself reading the poem in rhythm to the beat.</p>	<p>Read a science fiction or fantasy book. Describe a character who reminds you of someone you know or a scene from the book that reminds you of something in your life.</p>	<p>Write to your favorite author. Share what you like about their books. Ask a question or suggest an idea for a new book.</p>	<p>Start a word collection. Listen for words you don't know, look up their definitions, and write them down. Add a star next to each word every time you use it yourself!</p>
<p>Find a book you've never read, and look at its front cover. Write a short story about what you predict the book will be about.</p>	<p><i>train</i> • <i>staple</i> • <i>limit</i> • <i>design</i> • <i>practice</i></p> <p>These words can be a noun or a verb. Write two sentences for each – one using the word as a noun and one as a verb.</p>	<p>Go on a grammar scavenger hunt. In a book you're reading, find and list ten nouns, ten verbs, and ten adjectives. Use those words to write a short story.</p>	<p>Read a realistic fiction book. What lesson do the characters learn about life? Write a paragraph about this theme.</p>	<p>Write at least one word for each of these Greek word parts: <i>bio</i> (life), <i>phys</i> (body), <i>phon</i> (sound), <i>tele</i> (far), <i>micro</i> (small), and <i>biblio</i> (book). Use a dictionary to help!</p>

