



 **Amplify** Desmos Math **TEXAS**



Grade 5

Volume 1: Units 1–3



Student Edition

About Amplify

Amplify is dedicated to collaborating with educators to create learning experiences that are rigorous and riveting for all students. Amplify creates K–12 core and supplemental curriculum, assessment, and intervention programs for today’s students.

A pioneer in K–12 education since 2000, Amplify is leading the way in next-generation curriculum and assessment. All of our programs provide teachers with powerful tools that help them understand and respond to the needs of every student.

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Amplify gratefully acknowledges the work of distinguished program advisors from English Learners Success Forum (ELSF), who have been integral in the development of Amplify Desmos Math. ELSF is a 501(c)(3) nonprofit organization whose mission is to expand educational equity for multilingual learners by increasing the supply of high-quality instructional materials that center their cultural and linguistic assets.

Amplify gratefully acknowledges the work of distinguished program advisors from Rice University School Mathematics Project (RUSMP), who have been integral in the development of Amplify Desmos Math Texas. RUSMP’s mission is to create a better understanding of the nature, beauty, and importance of mathematics by promoting effective teaching of mathematics and contributing significant research and evaluation on teaching and learning.

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Hello Curious Mind,

Welcome to Grade 5!

This year, you'll continue to build on all of the math skills you've already learned and will flex your strong fluency muscles.

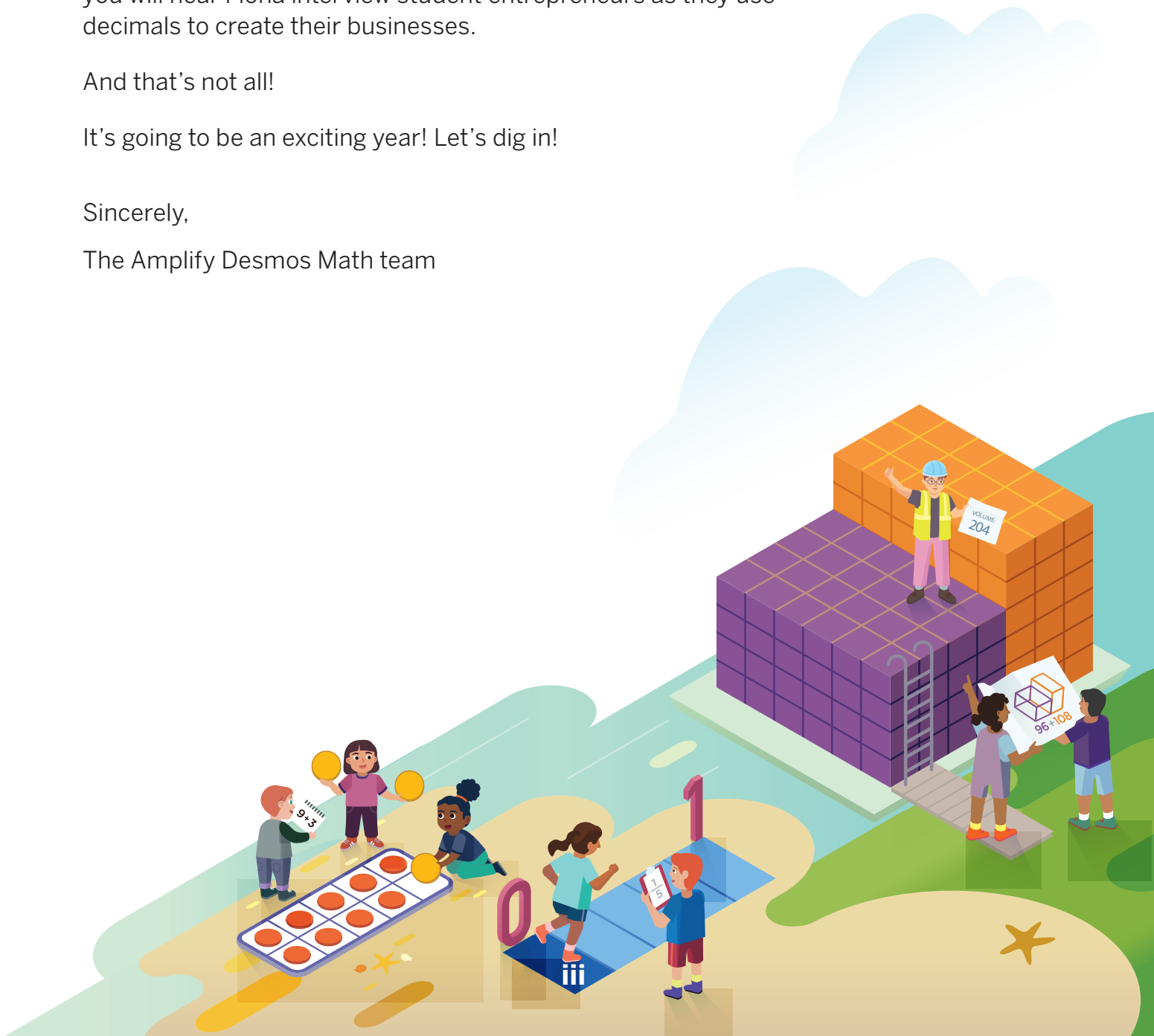
You'll travel to the far-off lands of Trashville and Joyful Green as you learn all about volume. You'll help Shay explore more complex ideas about fractions as you help her take care of a cat at an animal shelter. You'll represent and interpret measurement data with Jacob, Miriam, and Quique — fifth graders just like you — to explore the migration patterns of butterflies. Plus, you will hear Fiona interview student entrepreneurs as they use decimals to create their businesses.

And that's not all!

It's going to be an exciting year! Let's dig in!

Sincerely,

The Amplify Desmos Math team



Unit 1 Volume, Factors, and Expressions

Let's determine the volume of rectangular prisms.

Unit Story: Joyful Green In this story, Trashville's excess trash is packed into cubes and shipped off to the town of Joyful Green, where the trash is given a new purpose.



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Unit 2 Multiplying and Dividing Fractions

Let's multiply and divide fractions and whole numbers.

 **Unit Story: Princess Sweetsocks** In this story, Shay bonds with a troublesome cat as he perseveres as a volunteer at an animal shelter.



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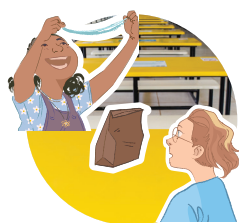
Unit 3 Multi-Digit Multiplication and Division and Financial Literacy

Let's multiply and divide large numbers. Let's explore taxes and balancing a budget.



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Unit Story: Andrea In this story, Gil learns the value of thinking differently from his cousin Andrea.



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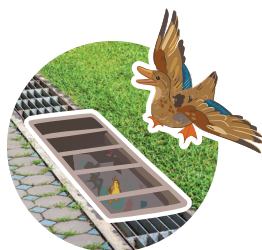
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Unit 4 Place Value Patterns and Decimal Operations

Let's explore place value, including tenths, hundredths, and thousandths. Let's use place value to add, subtract, multiply, and divide decimals to the hundredths.



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Unit Story: Market Day In this story, 4 kid entrepreneurs showcase their clever businesses.



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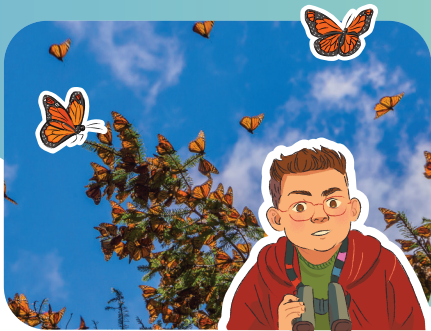
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Unit 5 Measurement, Fraction Operations, and Data

Let’s add and subtract fractions with unequal denominators. Let’s solve problems about measurement by converting within a measurement system.

Unit Story: The Monarchs In this story, Jacob, Miriam, and Quique study the migration of monarch butterflies across North America.



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Unit 6 Geometry and Algebraic Reasoning

Let's classify shapes by their attributes. Let's use the coordinate grid to represent real-world problems.



Unit Story: Hanan Pacha In this story, Mia visits her grandfather in Chile and learns about the heritage of her ancestors and the beauty of "looking up" once in a while.



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