

Amplify Math TENNESSEE

Grades 6–8, Algebra 1

Program guide

For Tennessee





GO ONLINE

Visit tnmath.amplify.com for additional program information such as instructional routines, math language development, *5 Practices for Orchestrating Productive Discussions*, and much more!

Amplify. desmos

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Table of contents

Meet Amplify Math

About Amplify Math	6
Guided by expert advisors, partners, and educators	. 8
Program scope and sequence	10
Clean and clear design	14
Layered lesson design	16
The Amplify Math lesson model	17
Narrative and storytelling	18
Highlighting diverse mathematicians	19
Taking the IM K–12 Math content further	20
Program resources	21

Supporting features

Access and equity	24
Differentiating instruction	32

Navigating the program

Navigating the print program	36
Flexible, social problem-solving experiences	40
Amplify Math digital experience	42
Navigating the digital program	44

Data and reporting

Classwork	2
Assessments and reporting	4



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Meet Amplify Math

About Amplify Math	6
Guided by expert advisors, partners, and educators	8
Program scope and sequence	10
Clean and clear design	14
Layered lesson design	16
The Amplify Math lesson model	17
Narrative and storytelling	18
Highlighting diverse mathematicians	19
Taking the IM K–12 Math content further	20
Program resources	21

About Amplify Math

Get all Tennessee students talking and thinking together about grade-level math.

Amplify Math is designed around the idea that a core math curriculum needs to serve 100 percent of students in accessing grade-level math every day. Tennessee school districts turn to Amplify Math when they are looking for:

- High-quality math instruction that strikes the right balance between conceptual understanding, procedural fluency, and application.
- Every student to develop their own math identity and see themselves as mathematicians.
- ✓ An equally dynamic print and digital experience that is easy to teach.

You can learn more about the program design and how Amplify Math will work in your classroom in the pages that follow. But first, we wanted to call out just a few things that set this core math program apart:

Productive discourse made easier to facilitate and more accessible for students

Clean and clear lesson design

The lessons all include straightforward "1, 2, 3 step" guidance for launching and facilitating discussions around the tasks. Thoughtful and specific differentiation supports are included for every activity. Every lesson ends with a summary and reflection moment, an Exit Ticket, and a practice problem set.

Additional Tennessee lessons are available to ensure every student masters the Tennessee Academic Standards for Mathematics.

Narrative and storytelling

All students ask, "Why do I need to know this? When am I ever going to use this in the real world?" Amplify Math helps students make connections with math and their everyday lives to help them see and appreciate the relevance of the math they're figuring out in class. Throughout the units, students will be introduced to historical and current narratives that show their connection to the content, the many places mathematics inhabits in our world, and how the work they do in class connects to our history and their own reality.

2 Flexible, social problem-solving experiences online

Social learning experiences online



POWERED BY **desmos**

By partnering with Desmos, we've been able to deliver digital lessons, which we call **Amps**, that get students thinking, talking, revising, and celebrating their ideas. As students work in the interactive slides, new functionality may appear and they will often be asked to justify their actions and thinking. All of this is made visible to the teacher in real time.

Automatic, just-in-time supports

Our **Power-ups** provide just-in-time support at the point of use before your student begins an activity. Not teaching online? They're available in this Teacher Edition too. Phil Daro partnered with us on this feature to ensure we were giving all students—even the ones who might be three years behind in math, but only 15 minutes behind the day's lesson—the chance to experience success in math.



3 Real-time insights, data, and reporting that inform instruction Classroom monitoring tools

Once a teacher launches an Amp, students will be automatically moved to the lesson of the day and will see the interactive screens. Teachers will have the ability not only to pace the lesson the way they want to, but also to see student work in real time. The monitoring tools offer teachers ways to overlay student work to spot misconceptions and also the ability to spotlight student work anonymously to discuss with the class.

Embedded and standalone assessments

Amplify Math includes both a suite of standalone assessments and embedded assessments that give teachers and leaders insights into where students are and how they might best be supported. The full reporting suite covers student and class performance based on work done in lessons, Exit Tickets, practice sets, performance by standards, and performance on Interim assessments.

Guided by expert advisors, partners, and educators

Working closely with our advisors and partners, educator advisory board, and field trial teachers, the curriculum team at Amplify focused Amplify Math on productive discourse and equitable experiences for students, making it possible to deliver high-quality, student-centered instruction that accelerates learning for all.

Based on the best

The core lesson content within Amplify Math is based on the highly rated IM K–12 Math[™] curriculum authored by Illustrative Mathematics[®]. Led by Bill McCallum, the Illustrative Mathematics developers struck the right balance between conceptual understanding, procedural fluency, and application.



Advisors



Phil Daro

Board member: Strategic Education Research Partnership (SERP) Area of focus: Content strategy



Fawn Nguyen Rio School District, California Area of focus: Problem solving

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Flexible, social problem-solving experiences powered by Desmos

Digital lessons, when designed the right way, can be powerful in their ability to surface student thinking and spark interesting and productive discussions. To do this, lessons need to be social and flexible in their ability to celebrate student brilliance, ensuring students feel connected to one another and you, the teacher.

We've partnered with Desmos to bring this vision to life with our complete library of Amps—social, collaborative lessons powered by Desmos technology.





Sunil Singh Educator, author, storyteller Area of focus: Narrative and storytelling



Paulo Tan, Ph.D.

Johns Hopkins University, School of Education Area of focus: Meeting the needs of all students

Program scope and sequence

Grade 6

Suggested instructional days: **161**



Grade 7

Suggested instructional days: 153



Grade 8

Suggested instructional days: 145



Algebra 1

Suggested instructional days: 155





3 Assessment Days

25 days total

Clean and clear design

Program structure

Amplify Math lessons ask students to grapple with relevant and interesting problems and situations. The contexts make sense to them and play to their curious and competitive nature. Whether using the print or digital lessons, teachers have easy-to-use tools that allow them insights into student thinking and opportunities to truly differentiate instruction.

Every unit outlines how the pillars of rigor—conceptual understanding, procedural fluency, and application—will be addressed over the course of each lesson.



Course structure

The grades 6–8 courses are made up of eight units each. Algebra 1 includes six units.



Note: Interim assessments may be administered according to your district/school's timeline; this depiction is just one of many possible administrations.

Unit structure

Amplify Math units have been developed around central topics and broken into sub-units addressing compelling historical and modern narratives and stories, making math both accessible and relevant. Solving problems in the sub-unit lessons, students develop strategies to build upon prior knowledge and deepen their understanding of mathematical concepts and skills. Teachers have multiple opportunities to assess student understanding, including Pre- and Post-Unit Assessments, Warm-ups, and Exit Tickets.

A	Pre-Un	it Read	liness	Assess	ment							(A Mid-	Unit As	sessme	ent	En	d-of-Uı	nit Asse	essment A
•	LAUNCH			Sub-	Unit	1			Su	b-Un	it 2				Sul	o-Uni	t 3			CAPSTONE
•	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Note: The number of sub-units and lessons vary from unit to unit; this depiction shows the general structure of a unit.

Lesson structure

Amplify Math grades 6–8 lessons are designed to be completed in 45 minutes, with Algebra 1 lessons completed in 50 minutes.

Warm-up	Activity 1	Activity 2	Summary	Exit Ticket	> D Practice
5 min	15 min	15 min	4 5 min	🕘 5 min	timing varies
۵٫۵۵ ۲۰۰۰ ۲۰۰۰ ۲۰ ۱۹۹۵ ۲۰۰۰ ۲۰۰۰ ۲۰		،،،،، ۱۹۹۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹ ۲۰۰۹		$^{\circ}$	$^{\circ}$

Note: The number of activities vary from lesson to lesson; this depiction shows the general structure of a lesson.

Key:	
ondependent	දී Small Groups
ÅÅ Pairs	ိုဂိုဂို Whole Class

Layered lesson design

Sparking and guiding productive classroom discussions doesn't need to feel impossible. Amplify Math provides teachers a layered lesson design with easy-to-follow instructional supports that make implementing productive discourse possible through experiences that tap into the social nature of middle and high schoolers.



3

Amplify Math lessons are effective because they're multi-layered.

Interesting, relevant problems: By starting with the Illustrative Mathematics' curriculum IM K–12 Math, an extensively field-tested and highly-rated curriculum, Amplify Math is full of interesting and relevant problems as well as proven teaching strategies. You'll see this in our lessons framed around compelling narratives, from both current and historical contexts.

2 A social experience complete with personalized supports:

By partnering with Desmos, we've been able to bring the IM K–12 Math content alive online. Students are given opportunities to collaborate with one another, and teachers gain better insights into student thinking in real time. If the teacher chooses to use Power-ups, students are offered personalized supports, based on their recent work in the digital platform, that serve as on-ramps to grade-level content. Live progress and needs reporting: And when teachers and students work digitally, Amplify Math can offer live progress updates and reporting that outlines student needs and suggested next steps, enhancing the experience for students and teachers.

The Amplify Math lesson model

Amplify Math grades 6–8 lessons are designed to be completed in 45 minutes, with Algebra 1 lessons completed in 50 minutes.



Narrative and storytelling

The role of narrative

Amplify Math organizes the units and sub-units around compelling narratives and stories (both historical and modern). Students are introduced to historical and current narratives that show a connection between the content and the many places mathematics inhabits in our world and how the work they do in class connects to our history and their own reality. Narrative:

- Makes math more approachable and engaging. Stories connect numbers to people. They show us the who, why, and when of math, and the motivations and even emotions of mathematicians. They help make math easier to teach by triggering students' curiosity, showing personal or historical relevance, and opening up new possibilities for classroom conversation and collaboration.
- **Makes math relevant.** Retellings of important historical moments and vignettes featuring modern applications of math help students understand how math has relevance outside of the math classroom.
- **Highlighting diversity in mathematics.** Stories can create more opportunities to highlight diversity in the rich history of mathematics. They can make for more inclusive spaces where students see themselves in the content.

You'll see our narratives and stories play out at the unit, sub-unit, and lesson levels within the program as you review.

SUB-UNIT

Sub-unit openers





Who brought Italy to India and back again?

In the 1980s and 1990s, Italian cuisine was rare in Kolkata, India. And yet, for 10-year-old Ritu Dalmia, there was nothing better. She had gotten a taste for it after a school trip to Italy. For a month, she and her classmates ate spaghetti pomodoro; while her classmates didn't care for it, for Dalmia, it was love-at-first-taste.

Dalmia's instant love for Italian food would start her down a decades-long journey, spanning multiple countries, and bringing exciting new tastes to people who might never have experienced them before.

She opened MezzaLuna, one of Delhi's first Italian restaurants. When it closed two years later, Dalmia headed to London to open Vama, a successful, high-end Indian restaurant. Five years after that, she returned to India to try her hand at another Italian restaurant — Diva. Diva was so successful that offshoots sprouted up, including Diva Cafe, DIVA Piccola, and Latitude 28. Not one to rest on her laurels, she then headed back to the source — Italy — to open Cittamani, a restaurant thused Indian cuisine with just the right flair of Italian ingredients.

Dalmia's passion has brought new tastes and flavors — careful and artful concoctions of the familiar and unfamiliar — to those who might not otherwise have the opportunity. Whether you're a home cook or a globehopping celebrity chef, the right ingredients in the right amount are important to executing a meal Rule regimes



MEET AMPLIFY MATH

Highlighting diverse mathematicians



Helping students see themselves as mathematicians

Helping our students develop a strong, healthy, and flexible math identity is crucial if we are to prepare the next generation of creative problem solvers.

To that end, we've designed Amplify Math to show students three things:

- **1.** They are mathematicians.
- 2. The math of today's world was largely shaped by a diverse range of mathematicians who deserve to be learned about.
- **3.** Learning is never finished.

In support of the first two principles, we've embedded numerous featured mathematicians into the program. These diverse mathematicians and their work are introduced to students within the context of the lesson. Students are always shown the connection between the featured mathematician's work and the work they are doing in class. Learning about their lives and contributions, students see that there's no one face of math achievement.



Maryam Mirzakhani

Taking the IM K–12 Math content further

Illustrative Mathematics' curriculum IM K–12 Math[™], is highly rated on EdReports.org, well regarded by teachers who know and use it, and growing in popularity with district leaders. The program is coherent and puts engaging, real-world problems at the center of instruction. While Amplify Math is based on and protects the most valuable aspects of the IM K–12 Math[™] program, we have decided to make certain changes and additions to better serve busy teachers.

Amplify Math offers:

Clear, concise, and effective teacher supports.

Teachers want time back in their day, and we deliver that by making lessons easy to read through and understand while still providing just-in-time support to keep the classroom discussion moving. Amplify Math teachers will find they need to spend less time preparing to teach and can more easily navigate the provided guidance during instruction.

A tested lesson design.

We've tested our lessons with field trial teachers to ensure we're not asking teachers and students to accomplish too much during a 45- or 50-minute session or a double period block.

Low-floor, high-ceiling unit launch lessons.

Each unit begins with a low-floor, high-ceiling lesson that introduces the unit's big idea through a compelling story that often relates to a student's community, culture, or identity.

Data-driven differentiation for all students.

Instead of generic instructional suggestions, Amplify Math's differentiated supports make math more accessible for all students, and include Power-ups to ensure just-in-time support for all students.

A more visual and social experience, providing teachers with real-time insights.

Amps, our social digital lessons powered by Desmos technology, make more visual, collaborative moments possible while providing teachers with real-time insights into student thinking.

A narrative and storytelling element.

Infusing math instruction with history and storytelling allows students to make connections with math and their everyday lives. It's also a way to help foster positive math identities for students who might not see themselves in other core math programs.

A comprehensive suite of assessments.

Insights, data, and reporting in Amplify Math drive performance for all learners and allow teachers to know where their students are, what they think, what they might not yet understand, and what needs to happen next.

Intuitive and easy-to-follow print resources.

Amplify Math's print resources are engaging and inviting for students. Streamlined and easy to follow, they allow teachers to focus on creating moments for student collaboration and discussion.

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Program resources

Student materials



Student workbooks, two volumes





Amps, our exclusive collection of digital lessons powered by Desmos



Hands-on manipulatives (middle school only; optional)



Additional Tennessee lessons

Teacher materials



Teacher Edition, two volumes



Digital Teacher Edition and class monitoring tools



Additional Practice and Assessment Guide blackline masters



Additional Tennessee lessons







Access and equity	. 24
Differentiating instruction	. 32

Access and equity

Engaging all students in grade-level content every day

Amplify Math includes numerous, tightly connected supports to ensure all students can access grade-level content every day. Design features include:

- Consistent lesson structure.
- Automatically assigned differentiated just-in-time supports called **Power-ups**.
- Compelling historical and modern narratives and realworld situations.

The materials make use of instructional strategies that break down barriers that might stand between students and the content, including:

- Instructional and mathematical language routines
- Physical and digital manipulatives
- Visual aids
- · Graphic organizers



Graphic organizers





Math Language Development

MLR2: Collect and Display

Display the class anchor chart and add new terms for three-dimensional solids, such as *face*, *edge*, and *vertex*. Encourage students to refer to this anchor chart during their class discussions.

English Language Learners

Include visual examples that illustrate each term. Consider also using physical models and gestures pointing to how these terms represent features of the solids, before adding the terms and visual examples to the class anchor chart.

Power-up

For students who need additional support naming and describing a rectangular prism (from Lesson 13, Practice Problem 6):

Consider providing students with a model of a rectangular prism built out of unit cubes. Have them match each side on the three-dimensional model to the two-dimensional representation, numbering each side on their paper. Explain how the dotted lines show the sides that they cannot see when looking at the prism from this angle. Demonstrate these sides with the three-dimensional model. Power-ups are automatically assigned supports for students who need an additional boost to their learning experience. These just-in-time supports give students the chance to experience success with the lesson's content.



two groups with students who need additional support assigned the Power-up activity.

Power-up reports group students based on performance and provide item analysis for the formative practice problem, along with suggested next steps.

Bringing in and including student background knowledge in the classroom

In many cases, Amplify Math creates optional opportunities for students to share background experiences and activate background knowledge as they relate to the math activities.



Fostering Diverse Thinking

Running for Change

Have students research Wilma Rudolph, who earned three Olympic gold medals and was one of the first athletes to advocate for civil rights. She was the first American woman in track and field to win three gold medals at one Olympics, setting a world record for each. She refused to attend her hometown's parade and banquet unless it was nonsegregated, and so it became the first nonsegregated event in the town's history. Rudolph has been quoted as saying, "I would be very sad if I was only remembered as Wilma Rudolph, the great sprinter."

Ask:

- "In 1960, Rudolph ran 200 m in 23.2 seconds, setting a world record at the time. How did Rudolph's speed compare to Ms. Hernandez's speed from Activity 1?"
- "How are today's athletes using their platforms to show their support for different causes?"

Celebrating and working from what students know and can do

When students feel they are able to bring their whole selves to math class, they are more likely to see both the utility and the beauty of mathematics. If they can see themselves, their experiences, their families, and their communities in the content, they are more likely to consider themselves doers of math.

Expose your students to a wide range of relevant scenarios, ideas, and people to ensure they can see themselves as players in the world of math.

Sub-Unit 3 Piecewise Functions

In this Sub-Unit, students create, graph, interpret, and analyze piecewise and absolute value functions, and relate them to the music of Atlanta.



Read and discuss

Read the narrative aloud as a class or have students read it individually. If time permits, have students discuss in pairs or as a class:

Q

- What do you notice or wonder about the narrative?
- What words or phrases resonate with you?
- Are you familiar with the civil rights history of Atlanta's Sweet Auburn neighborhood? What can you do to learn more?
- Can you think of ways the civil rights movement influenced the development of music or vice versa?

Sub-Unit 3 Piecewise Functions 477

2 Create spaces where their thinking can be explained and examined without being immediately graded as right or wrong.

3 Connect

Have pairs of students share their resulting graphs for Problems 1 and 3, modeling their strategies for creating their graphs. Select and sequence students using productive strategies, highlighting anyone generalizing the process. Discuss the process for calculating the side length of the "average square."



3 Celebrate work while understanding what it tells you about how to advance the class discussion in productive ways.

Warm-up Make It True

Students review how to algebraically determine solutions of two-variable equations to prepare for working with equations in function notation.



3 Connect

Have students share their thinking and the strategies they used to determine solutions to the equation.

Highlight that students can use different strategies to determine the values of *x* or *y*.

Ask, "What do the ordered pairs (7, 9.6), (100, 84), (10, 12) and (70, 60) represent?" Sample response: These represent solutions to the equation and would also be the coordinates of points that fall on the line when this equation is graphed on the coordinate plane. 😤 Independent | 🕘 5 min

MP2

HSA.REI.A.1

Fostering a positive math identity

Amplify Math is a program that acknowledges and celebrates the experiences and heritages of all students. Activities and instructional supports have been designed to reflect and leverage the knowledge systems of diverse groups including, Indigenous, Black/African American, Latinx, and non-Western peoples and cultures.

The inclusion of these activities and instructional supports in the program help:

- Students develop positive social identities based in the cultures in which they claim membership
- Students build empathy and respect for people both different and similar to them.

Sub-Rig

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Reflect

Prior to synthesizing the concepts of the lesson, allow students a few moments for reflection. Encourage them to record any observations in their Student Edition. To help them engage in meaningful reflection, consider asking:

- "What was the most surprising thing when working with the digital instrument?"
- "What questions do you still have about the relationship between ratios and music?"

Synthesize

Display the Summary from the Student Edition. Have students read the Summary or have a student volunteer read it aloud.

Highlight that during this unit, students will continue working with ratios, focusing on proportional relationships and using ratios to model real-world relationships.

Ask:

- "Does anyone play a string instrument, and if so, which one? Have you ever noticed any ratios or markings on the instrument?" Sample response: I play the guitar and it has frets on it.
- "If you were to build your own stringed instrument, how would you decide where to place your fingers to create different notes?" Sample response: I would mark ¹/₂ and ²/₃ because I know those create a nice sound when played together.
- "How does music help people communicate with each other?"
- "Can you think of any other ways that ratios may help people to communicate or exchange ideas?"

Summary The World in Proportion

The World in Proportion

ne to Unit 2

9

F

F

F

Review and synthesize the relationship between ratios and making music.

Reflect

Prior to synthesizing the concepts of the lesson, allow students a few moments for reflection. Encourage them to record any observations in their Student Edition. To help them engage in meaningful reflection, consider asking:

했 Whole Class | ④ 5 min

 "What was the most surprising thing when working with the digital instrument?"

"What questions do you still have about the relationship between ratios and music?"

Synthesize

Display the Summary from the Student Edition Have students read the Summary or have a student volunteer read it aloud.

Highlight that during this unit, students will continue working with ratios, focusing on proportional relationships and using ratios to model real-world relationships.

Ask:

- "Does anyone play a string instrument, and if so, which one? Have you ever noticed any ratios or markings on the instrument?" Sample response: I play the guitar and it has frets on it.
- "If you were to build your own stringed instrument, how would you decide where to place your fingers to create different notes?" Sample response: I would mark¹ and ² because I know those create a nice sound when played together.
 "How does music help people communicate with

"How does music help people communicate with each other?"

 "Can you think of any other ways that ratios may help people to communicate or exchange ideas?"

98 Unit 2 Introducing Proportional Relationships



Lesson 4 Grid Moves 29

Differentiating instruction

Multiple pathways to the math

Working with advisor Dr. Paulo Tan and experts at the English Learners Success Forum (ELSF), the Amplify Math curriculum team has developed intentional and point-ofuse differentiated supports that invite all students into the mathematical conversation.





PRINT 📭 🕴 DIGITAL 💻

Pre-Unit Readiness Assessment

Amplify Math's Pre-Unit Readiness Assessment helps teachers identify student needs. The problems in the Pre-Unit Readiness Assessment cover the lessons' prerequisite skills to help teachers know where they might provide additional support before and during the lessons in the unit, informing instruction by identifying specific student needs for the unit. Using these insights, teachers can use the flexible built-in support to differentiate appropriately at point of use.

🔂 Differentiated Support 🗕

Accessibility: Guide Processing and Visualization

If available, play the audio of a heart beating for five seconds to demonstrate how to count a heartbeat. Alternatively, if students have difficulty finding and counting their pulse, play the audio of a heart beating for 20 seconds and have students use that value to complete the Warm-up.

Power-up

For students who need additional support determining the slope of a line (from the Pre-Unit Readiness Assessment, Problem 4):

Use Problem 4 from the Pre-Unit Readiness Assessment and have students draw several slope triangles. Remind students that the slope is the vertical change divided by the horizontal change.

Accessibility and extension supports

Every Amplify Math lesson begins with a warm-up activity. But some students may require additional support with unfinished learning to get them ready for the grade-level content addressed in a particular lesson. Based on students' performance on formative practice problems, students who need this support are automatically identified for teachers, and given differentiated Power-ups to the grade-level content.

Students are never labeled as above or below grade level in Amplify Math. The wide range of differentiated instructional supports are categorized as either **accessibility** or **extension** supports within the Teacher Edition. These supports can be implemented flexibly as students may not need support for every lesson, but instead a particular activity within a lesson.

Grounded in the Universal Design for Learning (UDL) framework and guidelines (CAST, 2018), our accessibility supports provide students with the help they may need on a given activity and makes the content accessible for all students.

Examples of accessibility supports include:

- Removing or restricting physical requirements (for example, providing measurements instead of having students do the measuring).
- Scaffolding directions.
- Chunking the task into smaller, more manageable parts.
- · Providing checklists, tables, and graphic organizers.
- Optimizing access to tools, such as physical and digital manipulatives, and technology.
- Providing options for students to use annotations and color coding to highlight connections.

Extension support provides teachers with opportunities for students to examine grade-level mathematics at a deeper level as opposed to introducing future grade or course mathematics.

Extension support subcategories include:

- Math Enrichment
- Math Around the World
- Interdisciplinary Connections



Differentiated Support -

Accessibility: Vary Demands to Optimize Challenge

Have students first compare only Tuesday and Wednesday to determine whether the ratios of coffee beans to water are equivalent. Then have them compare to each next day, pausing after each one to discuss.

Extension: Math Enrichment

Have students complete the following problem: How much does Kiran use each day, on average, of each ingredient? About 4.8 ounces of coffee beans and about 56 fluid ounces of water.



Navigating the program

Navigating the print program	. 36
Flexible, social problem-solving experiences	.40
Amplify Math digital experience	42
Navigating the digital program	44



Navigating the print program

Amplify Math provides teachers with easy-to-follow instructional supports that make implementing the program easier and enjoyable for both you and your students.

Lesson Brief



Lesson 3 Symmetry and Reflection 19A

Lesson goals, coherence mapping, and a breakdown for how conceptual understanding, procedural fluency, and application are addressed are included for each lesson.

The **standards** the lesson is addressing, building on, and building toward are clearly outlined.

Common Core Standards Report shown. Tennessee Standards Report available for Back to School 2022.



Lesson

1

The **student-facing** content is presented to the left.

Activity 3 Drawing Reflections	유 Pairs I ④ 8 mir MP6 8.G.A.:
Students practice drawing reflections, strengthening elates to the corresponding points in the preimage ar	their understanding of how the line of reflection d image.
None Date Period	1 Launch
Activity 3 Drawing Reflections	Have students use a ruler to draw the reflection of each figure and only use tracing paper to check their work.
1. Reflect Triangle ABC across line & Use A, B, and C' to indicate vertices in the image that correspond to the points A, B, and C in the preimage.	2 Monitor
	Help students get started by having them draw a perpendicular line from point A to the line ℓ in Problem 1, and then measure the distance from point A to the line ℓ (MP6).
	Look for points of confusion:
l	 Drawing a reflected point the same distance from the line as point A, but not perpendicular to line l in Problem 2. Use a protractor, or corner of an inde- card or paper, to help students create a right angle formed by line l and point A.
2. Reflect Polygon ABCD across line <i>ℓ</i> . Use A, B, C, and D to indicate vertices in the image that correspond to the points A, B, C, and D in the preimage	Look for productive strategies:
A t	Using rulers to measure the distance from each point in the preimage to the line of reflection.
D B B'	 Only using tracing paper to check their reflected image after it is drawn.
C D	3 Connect
	Have students share the strategies they used for drawing each image.
	Highlight Hat an image is determined by the preimage and placement of the line of reflection The line of reflection may not always be strictly vertical (as in Problem 1) or horizontal. The line of reflection may be slanted (as in Problem 2).
essan Symmetry and	
Differentiated Support	
Accessibility: Vary Demands to Optimize Challenge If students need more processing time, have them focus on completing	Extension: Math Enrichment Have students draw their own reflections and lines of reflections that satisfy
Problem 1, and only work on Problem 2 as time allows.	the given criteria.
	 Draw the reflection of a preimage in which the image overlaps the preimage.

A short **description of the activity and its targeted goal** is outlined at the top.

Easy 1-2-3 guidance for teachers shortens the amount of time required to plan. The "look for" prompts are helpful to scan while teaching.

Differentiation supports, including our just-in-time supports called Power-ups, provide practical guidance for scaffolding or extending the learning for all students.

Lesson 3 Symmetry and Reflection $\ \ 23$



Flexible, social problem-solving experiences

Digital lessons, when designed the right way, can be powerful in their ability to surface student thinking and spark interesting and productive discussions. To bring our vision of what digital lessons can and should be to life, we've partnered with Desmos to create our complete library of Amps—social, collaborative lessons powered by Desmos technology that make sense to students and work harder for teachers.

Intuitive and engaging student experience

The student experience is intuitive and engaging because the content and the tools are interesting and exciting. Students work together and interact with the mathematics in real time to quickly see that reasoning and revising are important parts of math class.

← Lesson Brief	< 1 2	3 4 5	ACTIVITY 2 6 7 8 9 10	1) >	Synced
Activity 1: Wa	alking Dogs Like a Pro				
		Reset	Welcome to Pawston Univ the nation's finest dog wai balance some leashes.	ersity! We've produced s Ikers. Your first challenge	ome of is to
			The number below each d dog's pull.	og tells you the strength	of that
*	X		one leash in each hand? W the dogs you would put or	rite the names and stren the left side and the rig	ngths of ht side.
			Left: Eartha (2) + Harrie Right: Greg (6) + Fifi (3)	t (8) + Dale (1)	
		t s	ubmit >	Share	with Class



Amplify Math digital experience

Classroom monitoring tools

For students, Amplify Math's digital experience is fun and dynamic, with plenty of opportunities for students to talk through their reasoning, work with their peers, and gain new understanding. Teachers gain insight into student reasoning with real-time insights, data, and reporting the drive performance for all learners.



Launch

Teachers launch an activity and ensure students understand what's being asked.



2 Monitor

Students interact with each other to discuss and work out strategies for solving a problem.



Teacher experience



When you launch a lesson, you'll have access to **easy-to-skim teacher notes and all of the controls necessary** to manage the lesson.

Lesson 1	df Water		
Manuel A		~	à
Shrinivas A		~	✓
Cortisha B	*		
Samuel B		~	<u>a</u>
Jamal D		×	×
Kimberly F		~	<u>a</u>
Elsie H		~	a
Mervin I		~	×
Clarissa J		~	 ✓ €

After students have started working, you will access the Class Progress screen to **see where students are in the lesson and even control which problems they have access to**. When you launch an **Amp**, you will be kickstarting small group and whole-class discussions where students can see how their thinking can impact a situation and learn how their peers are justifying their actions and decisions.

3 Connect

Students construct viable arguments and critique each other's reasoning, then synthesize with the teacher at the end.



Review

4

After class, teachers can provide feedback on submitted student work and run reports.





All student responses can be viewed easily on the All Students screen. You can often view a composite view of responses and spotlight student work anonymously.

Amplify	Math	CURRICULUM	CLASSWORK	REPORTING				¢	
						ACTIVITIES	PORTFO	los	
	UNIT		SUB-UNIT	LESS	ION	ACT	IVITY TYPE		
	Unit 6: Exp	oressions & E 🔻	all	▼ all		▼ al		•	
	ACTIVITY		SUBMISSIONS	LAST SUBMISSION \$	DUE DATE	CLASS AVERAGE	MANUAL SCORE	>	
	INDIVIDUAL End-of-I Unit 6: Exp	Unit Assessment ressions and Equations	20/22	12:50pm Fri. 12/31/20	03/01/21 Mon. 11:59pm	72%	19 awaiting	~	
	INDIVIDUAL Lesson Lesson 18:	Practice Two Related Quantities	17/22	10:19am Fri. 12/31/20	02/25/21 Mon. 11:59pm	68%	8 awaiting	~	
	Exit Tick Lesson 18:	Ket Two Related Quantities	20/22	7:58am Fri. 12/31/20	02/25/21 Mon. 11:59pm	75%	all scored	~	
	WHOLE CLAS Activity Lesson 18:	ss 2 Two Related Quantities	20/22	1:32pm Fri. 12/30/20	02/25/21 Mon. 11:59pm	90%	all scored	~	
	SMALL GROU Activity Lesson 18:	JP 1 Two Related Quantities	20/22	1:15pm Fri. 12/30/20	02/25/21 Mon. 11:59pm	90%	all scored	~	

After students complete work that's ready for grading, you can head to Classwork to **quickly provide feedback**.

Once students have completed an Exit Ticket, a practice problem set, or an assessment, you can **run reports at the class, student, and standards levels to check in on student progress**.

Navigating the digital program

Amplify Math's digital experience is fun and dynamic, with plenty of opportunities for students to talk through their reasoning, work with their peers, and gain new understanding. Teachers gain insight into student reasoning with real-time insights, data, and reporting the drive performance for all learners.

Access your Amplify Math digital content using your unique login credentials or by visiting the digital review site **tnmath.amplify.com**.

Log in



1. Click on Teacher



3. Choose your grade



2. Click on "Get Started"

Unit organization

Amplify Math is organized by units. Grades 6–8 contain 8 units and Algebra 1 contains 6 units.

						— Unit							
Pre-Unit Assessment	>	Launch	>	Sub-Unit	>	Mid-Unit Assessment	>	Sub-L	Jnit	>	End-of-Unit Assessment	>	Performance Task Assessment
				Lessons				Lesso	ons				

Navigating to and teaching a lesson

After selecting a unit, review the unit's planning resources. These resources include the Unit Overview, Unit Narratives, Professional Learning, Differentiated Support, and unit materials.

•••			
■ Amplify > Unit 6.1: Area and Surface Area			
Unit Overview Sub-Units Materials Planning for the Unit ^ Unit Narratives Key Shifts in Mathematics Unit at a Glance Unit Supports Featured Amps: Social & Collaborative Digital Moments Unit Assessments Print & Digital Differences	Unit Narratives A Place for Space Launch Lesson: The Tangram; Explor Students learn about the history of the Mead more > Key Shifts in Mathe Focus Major Work This unit addresses Expressions & Equ	ring the Tangram (Lessons 1–2) e tangram and apply area reasoning to solve a variety of tangram puzzles. These two launch tests association the test with the matter and the test with the matter test association of the solution of the state of the test with the matter ematics	
A BACK TO TOP	Unit at a Glance Spoiler Alert Just like for a rectangle, the area of a p triangles, by taking half of that produce Marc Connector Read more > Unit Supports Math Language Development	parallelogram can be determined by a formula, multiplying base by height. And similar for t.	Q
	Lesson	New Vocabulary	

Navigating to the lesson content

Lessons are found in the Sub-Unit. Each lesson contains all the resources needed to plan and teach.



Sub-Unit 1: Area of Special Polygons

11 Lessons

Sub-Unit 1: Area of Special Polygons

JUMP DOWN TO SUB-UNIT OVERVIEW

Lesson 3: Tiling the Plane	Lesson 4: Composing and Rearranging to Determine Area	Lesson 5: Reasoning to Determine Area
Lesson 6: Parallelograms	Lesson 7: Bases and Heights of Parallelograms	Lesson 8: Area of Parallelograms

Teaching a lesson online

Similar to the unit level, here you can scroll down and learn more about the lesson. On the right side you'll find a list of downloadable resources.





NAVIGATING THE PROGRAM



The tab that opens allows you to preview the lesson. You can look at any slide by scrolling across the bottom carousel. Teacher notes are provided on the right. Your students will see anything in the large center portion of the screen.

Go ahead and click "**Start Class**" in the bottom right corner. You should see the class you already created.



3 You should notice that there's now a purple frame around the student-facing content. You're teaching! You can advance the lesson by clicking the arrows in the bottom right hand corner.

When you're ready, click "View Work" at the top.



2 A new tab has opened. This is the tab you'd drag to the presenting screen if you were teaching. It will advance when you advance your Teacher Edition screen. For now, head back to the last tab.



4 Here is where you'll be able to see your students' work in real time. There are two students in this class. Certain slides will let you see a composite view of student work. You can change slides by using the arrows in the upper left hand corner.

Select "ALL SLIDES" to view the Class Progress View.

5 Here you will see all of your students and their work in the lesson. If the system can check for a right or wrong answer, you'll see an "X" or a check under that slide. Semi-shaded rectangles mean students have started work, but not finished or submitted anything.

If you're having students go into the lesson ahead of time and work, their progress will be saved and you can review it here. If you're teaching synchronously, work will populate here as it's done.

Tiling the Plane CLASS PROGRESS Period 5 math class 🔹	Alling the Plane	And the operation of th	CTIVITY IN THE PARTY INTERPARTY INTER		
Peter B		✓	<u>د (()</u>		
Concethia C		 ✓ 	✓	٤	
Allen D		 ✓ 	Ł		
Molly K		 ✓ 	×	٤	
Chris K		 ✓ 	Ł		
Satsuki K		 ✓ 	٤		
Ada L		 ✓ 	e	8	
Veronica M		 ✓ 	× 8		
Alexander P		 ✓ 	3 ~		
lvy S		 ✓ 	٤.		
Clementine S		 ✓ 	Ł		
					5 🔻



We've partnered with Desmos to create our complete library of Amps—social, collaborative digital lessons that recast technology from simply mirroring what can be done in a workbook to presenting captivating scenarios where students work together and see how their decisions change things in real time.



Data and reporting

Classwork	. 52
Assessments and reporting	. 54



Classwork

In addition to the full suite of assessments, Classwork is a space where teachers are able to view student work, review students' auto-scores for math problems, and give manual scores for any student open responses in the math curriculum.

				ACTIVITIES	PORTFOL	ios		•					A.	N
UNIT	SUR-UNIT		LESSON	AC	TIVITY TYPE		th 6 Period 4 🔻							,
Unit 6: Expressions & E 🔻	all		all	▼ a	11	•						ACTIVITI	S POR	TFOLIOS
							UNIT	SUB-L	NIT		LESSON		ACTIVITY TYPE	
ACTIVITY	SUBMISSIONS	LAST SUBMISSION	I \$ DUE DATE	CLASS AVERAGE	MANUAL SCORE	,	Unit 6: Expressions & E	▼ all		*	all	*	all	
End-of-Unit Assessment Unit 6: Expressions and Equations	20/22	12:50pm Fri. 12/31/20	03/01/21 Mon. 11:59pm	72%	19 awaiting	~	ACTIVITY	SUB	MISSIONS	LAST SUBMISSION	DUE DATE	CLASS AVERAG	E MANUAL SCO	DRE
INDIVIDUAL Lesson Practice Lesson 18: Two Related Quantities	17/22	10:19am Fri. 12/31/20	02/25/21 Mon. 11:59pm	68%	8 awaiting	~	INDIVIDUAL Lesson Practice Lesson 18: Two Related Qua	ntities	20/22	12:50pm Fri. 12/31/20	03/01/21 Mon. 11:59pm	72%	19 awaiting	>
INDIVIDUAL Exit Ticket Lesson 18: Two Related Quantities	20/22	7:58am Fri. 12/31/20	02/25/21 Mon. 11:59pm	75%	all scored	~	Total as percent	STATUS		TOTAL	AUTOSCORE	MANUAL SCORE		
WHOLE CLASS												PROBLEM 1	PROBLEM 3	PROBLEM 8
Activity 2 Lesson 18: Two Related Quantities	20/22	1:32pm Fri. 12/30/20	02/25/21 Mon. 11:59pm	90%	all scored	~	Anthony Bryk	Handed In 3/7/18 9:31	am	6/16	6/12	^1 ●	/1 •	/2 •
SMALL GROUP Activity 1	20/22	1:15pm	02/25/21	90%	0	~	Mihaly Csikszentmihalyi	In Progress						
Lesson 18: Two Related Quantities		FR. 12730720	Mon. 11:59pm		all scored		Carol Dweck	Handed In	am	9/16	8/12	/1 •	/1	1/2
Warm-up	20/22	1:15pm	02/25/21	90%	0	~	Jamio Eccalanta	Handed In		7/16	5/12	1/1	1/1	0/2

Classwork allows teachers to:

- View and grade student work and access student work to better understand students' progress as a class and individually.
 - Teachers can view direct student work.
 - Teachers can see overall scores for student work per class and per student.
 - Teachers can see auto-scoring and validations for various problem types per student.
 - Teachers can input manual scores for student work.
 - Teachers can print bulk or individual student work to track progress and talk about progress.
- Gain a comprehensive understanding of individual students' progress and work in order to better plan for each individual student's learning needs.

MyWork is a student version of Classwork where students can access the work they have completed, see work that has been assigned to them, and go back and resubmit any work.

Amplify Classwork			<i>1</i> 3
Lesson Practice Lesson 18: Two Related Quantities			
← Zimba	Anthony Bryk 👻		Dweck →
0 • 0 • 0 • 0	~	SCORES	
Explain your thinking.		PROBLEM 1	× 1/2
Text Input		Multiple Ch	oice 1/1
+ Score 6 to the power of 4 means 6	multiplied four times	Text Input	
		PROBLEM 3	> ① 1/2
Problem 2	Sc	ore: 0/1 PROBLEM 4	> 1/2
		PROBLEM 5	> 0/2
		PROBLEM 6	> 0/1
Select all the expressions that h	ave the same value.	PROBLEM 7	> 3/4
(Select a	ll that apply.)	PROBLEM 8	> • 0/4
Checkmark		TOTAL SCOR	F 6/16
2 ⁴	×	TOTAL SCOR	0,10
2 ⁶	×		
		Last save	d 12/31/2020 12:50pm

Assessments and reporting

Amplify Math offers a comprehensive suite of assessments, accessible in print and digital formats, for multiple opportunities to monitor and evaluate student learning and progress. If students take assessments in the Amplify platform, reports can be run at the student, standard, assignment, school, and district levels.

Course-level	Unit-level	Lesson-level
Diagnostic		
	Pre-Unit Readiness Assessment	
Formative		
Interim assessments		Exit Tickets Lesson practice Additional practice
Summative		
End-of-Course Cumulative	Mid-Unit and End-of-Unit Assessments Performance tasks	
Common Core Sta	andards Report show	n. Tennessee
Standards Report	available for Back to	School 2022.

Performance reports include:

- **1.** An overview of class performance on unit assessments, Exit Tickets, and practice sets.
- 2. Performance by class, student, and problem.

Unit Performanc	e Reports Benchmark Rep	ports Stand	lards Reports			
Unit 8.8: 4	Associations in Data	a 🔻				
Assessments	Exit Tickets					
Exit Tickets Practice	Class average Number of students at each	h level. Student w	ork may need to b	e manually scored.		
	16 stuppints to background 0 Lessons 10 11 12	13 14 15		18 19 20 21	Correct O U 2	60 80 1 60 80 1 submitted
	Student Exit Tic	kets respo	onses			
	Lesson 18: Two Re	elated Quanti	ties, Part 2	•		
	Class average How well did students do on the Exit Ticket?	73%	6	No manual scores Your student's work do require a manual score	100%	o scored
	Class average How well did students do on the Exit Ticket? Class Overview By All problems	y Problem	cent ON	No manual scores Your student's work do require a manual score	es not 0%	o scored
	Class average How well did students do on the Exit Ticket? Class Overview By All problems • Students •	y Problem Total as per Total	cent ON Warm-up	No manual scores Your student's work do require a manual score	Activity 2	e scored
	Class average How well did students do on the Exit Ticket? Class Overview By All problems • Students • All students	y Problem Total as per Total 73%	6 cent ON Warm-up 35%	No manual scores Your student's work do require a manual score	Activity 2	Exit Ticke
	Class average How well did students do on the Exit Ticket? Class Overview By All problems • Students • All students Anthony Bryk	y Problem Total as per Total 73%	6 cent ON Warm-up 35% 1 1/2	No manual scores Your student's work do require a manual score Activity 1 100%	Activity 2 50%	Exit Ticke 100%
	Class average How well did students do on the Exit Ticket? Class Overview By All problems • Students • All students Anthony Bryk Mihaly Csikszentmihalyi	y Problem Total as per Total 73%	сепt ОN Warm-up 35% 1/2	No manual scores Your student's work do require a manual score Activity 1 100%	Activity 2 50%	Exit Ticke
	Class average How well did students do on the Exit Ticket? Class Overview By All problems • Students • All students Anthony Bryk Mihaly Csikszentmihalyi Carol Dweck	y Problem Total as per Total 73% 1 75% 1 2 68% 1	6 Ceent ON Warm-up 35% 1/2 1/2	No manual scores Your student's work do require a manual score Activity 1 100% 1/1 1/1	Activity 2 50% 1/2	Exit Ticks 100%
	Class average How well did students do on the Exit Ticket? Class Overview By All problems • Students • All students Anthony Bryk Mihaly Csikszentmihalyi Carol Dweck Jamie Escalante	y Problem Total as per Total 73% 1 75% 1 68% 1 56% 1	6 Cent ON Warm-up 35% 1/2 1/2 1/2 1/2	No manual scores Your student's work do require a manual score Activity 1 100% 1/1 1/1 1/1	Activity 2 50% 1/2 1/2 1/2	Exit Ticks 1/1 1/1
	Class average How well did students do on the Exit Ticket? All problems Students All students Anthony Bryk Mihaly Csikszentmihalyi Carol Dweck Jamie Escalante Fatima al-Fihri	y Problem Total as per Total 73% 0 75% 0 68% 0 56% 0 68% 0	6 Cent ON Warm-up 35% 1/2 1/2 1/2 1/2 1/2 1/2	No manual scores Your student's work do require a manual score Activity 1 100% 1/1 1/1 1/1 1/1 1/1	Activity 2 50% 1/2 1/2 1/2 1/2	Exit Tick 100% 1/1 1/1 1/1
	Class average How well did students do on the Exit Ticket? Class Overview By All problems • Students • All students Anthony Bryk Mihaly Csikszentmihalyi Carol Dweck Jamie Escalante Fatima al-Fihri Herbert Ginsburg	y Problem Total as per Total 73% 68% 68% 68% 81%	6 Cent ON Warm-up 35% 1/2 1/2 1/2 1/2 1/2 1/2 1/2	No manual scores Your student's work do require a manual score Activity 1 100% 1/1 1/1 1/1 1/1 1/1 1/1	Activity 2 50% 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Exit Ticke 100% 1/1 1/1 1/1 1/1 1/1
	Class average How well did students do on the Exit Ticket? All problems Students All students Anthony Bryk Mihaly Csikszentmihalyi Carol Dweck Jamie Escalante Fatima al-Fihri Herbert Ginsburg Jovita Idár	y Problem Total as per Total 73% 68% 68% 68% 1 68% 81% 81%	6 Cent ON Warm-up 35% 1/2 1/2 1/2 1/2 1/2 1/2 1/2	No manual scores Your student's work do require a manual score Activity 1 100% 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	Activity 2 50% 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Exit Ticket 100% 1/1 1/1 1/1 1/1 1/1 1/1 1/1
	Class average How well did students do on the Exit Ticket? All problems Students All students Anthony Bryk Mihaly Csikszentmihalyi Carol Dweck Jamie Escalante Fatima al-Fihri Herbert Ginsburg Jovita Idár Eric Donald Hirsch	y Problem Total as per Total 73% 75% 68% 68% 68% 1 7 7 7 7 7 8 7 7 7 8 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 7 8 7 7 8 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8	6 Cent ON Warm-up 35% 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	No manual scores Your student's work do require a manual score Activity 1 100% 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1	Activity 2 50% 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Exit Ticks 100% 1/1 1/1 1/1 1/1 1/1 1/1 1/1
	Class average How well did students do on the Exit Ticket? All problems Students All students Anthony Bryk Mihaly Csikszentmihalyi Carol Dweck Jamie Escalante Fatima al-Fihri Herbert Ginsburg Jovita Idár Eric Donald Hirsch Kenneth Koch	y Problem Total as per Total 73% 68% 68% 68% 68% 81% 81% 81% 75% 75% 75% 75% 75% 75% 75% 75	6 Cent ON Warm-up 35% 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	No manual scores Your student's work do require a manual score Activity 1 100% 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1	Activity 2 50% 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Exit Tick 100% 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/
	Class average How well did students do on the Exit Ticket? All problems Students All students All students Anthony Bryk Mihaly Csikszentmihalyi Carol Dweck Jamie Escalante Fatima al-Fihri Herbert Ginsburg Jovita Idár Eric Donald Hirsch Kenneth Koch Magdalene Lampert	y Problem Total as per Total 73% 0 75% 0 68% 0 68% 0 68% 0 81% 0 81% 0 81% 0 68% 0 75% 0	6 Cent ON Warm-up 35% 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	No manual scores Your student's work do require a manual score Activity 1 100% 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/	Activity 2 50% 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Exit Tick 100% 1/1 1/1 1/1 1/1 1/1 1/1 1/1 1/

3. Item-level analysis to illuminate class-wide misconceptions and to see individual student work on every problem.

Standards mastery reports include:

- 1. Student- and class-level performance at the standard, cluster, or domain level.
- 2. Student growth on individual standards, with data from specific activities and problems for each student, and the entire class.

3. Progress toward mastery with detail on how students performed against the standard in the past, and where they will encounter it in the future.

Common Core Standards Report shown. Tennessee Standards Report available for Back to School 2022.

Standard 💌	Description	Class average (%)	Standard progress (%)
6.EE.A.1	Write and evaluate numerical expressions involving whole-numbe	80 🖌	100
6.EE.A.2	Write, read, and evaluate expressions in which letters stand for nu	79 ᅌ	98
6.EE.A.3	Apply the properties of operations to generate equivalent express	76 ᅌ	95
6.EE.A.4	Identify when two expressions are equivalent (i.e., when the two ex	78 ᅌ	80
6.EE.B.5	Understand solving an equation or inequality as a process of answ	75 ᅌ	75
6.EE.B.6	Use variables to represent numbers and write expressions when so	59 🗙	70
6.EE.B.7	Use variables to represent numbers and write expressions when so	82 🖌	65
6.EE.B.8	Write an inequality of the form x > c or x < c to represent a constrai	84 🖌	45
6.EE.C.9	Use variables to represent two quantities in a real-world problem th	74 ᅌ	25

6.EE.C.9

Use variables to represent two quantities in a real-world problem that change in relationship to one another; write an equation to express one quantity, thought of as the dependent variable, in terms of the other elationship between the dependent variable. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation. For example, in a problem involving motion at constant speed, list and graph ordered pairs of distances and times, and write the equation d = 66 to represent the relationship between distance and time.

Class average Standard progress Scores for assignments related to this standard. Class progress on problems related to this standard.

74%

\$



100%

Class Overview By Problem

All problems	•		80 - 100%	\$ 60 - 79%	× 0 - 59%	Manual score neede
	Pre-Req			2.6 Lesson		2.6 Practice
Students 👻	standard average (%)	Standard average (%)	Progress thru standard (%)	Exit Ticket	Problem 1	Problem 3
All students	71 ᅌ	74 ᅌ	80	32% 🗙	20% 🔽	49% 🗙
Anthony Bryk	93 🖌	100 🖌	21	1/2	1/3	1/2
Mihaly Csikszentmihalyi	80 🔽	-	0			
Carol Dweck	72 ᅌ	75 ᅌ	22	1/2	0/3	1/2
Jamie Escalante	69 ᅌ	69 ᅌ	21	0/2	0/3	1/2
Fatima al-Fihri	60 ᅌ	60 ᅌ	22	1/3	1/3	1/2
Herbert Ginsburg	23 🗙	23 🗙	23	0/2	0/3	
Eric Donald Hirsch	80 🖌	80 🔽	29	1/2	1/3	0/2
Jovita Idár	79 ᅌ	79 ᅌ	21	1/2	1/3	1/2
Kenneth Koch	81 🖌	-	0			
Magdalene Lampert	72 ᅌ	72 ᅌ	18	1/2	1/3	0/2
Maria Montessori	70 ᅌ	70 ᅌ	19	0/2		
Michelle Obama	61 ᅌ	61 ᅌ	17	1/2		
Seymour Papert	23 🗙	23 🗙	19	1/2		
Linda Roberts	62 ᅌ	62 ᅌ	18	0/2		
Dorothy Strickland	69 ᅌ	69 ᅌ	17	1/2		
Peter Venkman	80 ×	80 🗵	21	1/2		

Interim assessment reports include:

1. Progress toward mastery and preparation for high-stakes assessments.

- Stine Math 8 Period 3 • Unit Performance Reports Benchmark Reports Standards Reports **Benchmark Assessments** Class Overview By Problem Class average on the Benchmark assessments Number of students at each level per Benchmark. Student work may need to be manually scored. 2 Students 0 100% Correct student responses Benchmark Assessment 1 սիս 80 100% 60 Benchmark Assessment 2 unsubmitted Benchmark Assessment 3 * manual scoring required Student Benchmark Assessment responses Benchmark Assessment 1 Manual scores needed * How much of the class needs Class average 90% scored How well did students do on the Assessment? to be manually scored? 73% 0% 100% By Problem Class Overview Percentage OFF 8 ¢ All problems • Students 🔻 Total P1 P2 P3 P4 P5 P6 All students 73% 📒 35% 📕 100% 50% 📕 100% 100% 📕 73% Mihaly Csikszentmihalyi Kenneth Koch 1/2 * 1/2 * 1/1 Herbert Ginsburg 8/11 1/1 2/2 2/3 1/2 * 1/1 1/2 * 1/1 8/11 2/2 2/3 Jovita Idár 1/2 * 1/2 * 8/11 1/1 1/1 Michelle Obama 2/2 2/3 1/2 * 1/2 * Dorothy Strickland 8/11 1/1 1/1 2/2 2/3 Anthony Bryk 6/11 0/2 * 1/1 1/2 * 1/1 1/2 2/3 Carol Dweck 5/11 0/2* 1/1 1/2 * 0/1 1/2 2/3 1/2 * 1/1 1/2 * 1/1 2/2 3/3 Fatima al-Fihri 5/11 5/11 1/2 * 1/1 1/2 * 1/1 2/2 3/3 Magdalene Lampert 1/2 * 1/2 * Seymour Papert 5/11 1/1 1/12/2 2/3 1/2 * 1/2 * Peter Venkman 5/11 1/1 1/1 2/2 2/3 Jamie Escalante 4/11 📕 1/2 * 1/1 1/2 * 1/1 2/2 2/3 Eric Donald Hirsch 4/11 1/2 * 1/1 1/2 * 1/1 2/2 2/3 Maria Montessori 4/11 1/2 * 1/1 1/2 * 1/1 2/2 2/3 4/11 1/2 * 1/1 1/2 * 1/1 2/2 2/3 Linda Roberts
- 2. Student- and class-level performance data from interim assessments to help teachers diagnose student needs and administrators see school-wide trends.

Notes

For more information on Amplify Math, visit **tnmath.amplify.com**.



Amplify. desmos

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