TRANSMATH[®]

Creating a *new* path to algebra.







A Unique Approach to Algebra Readiness What is TransMath?

Do you have middle school students who always struggle with math? Year after year, they fall behind their peers? Does a traditional core program provide what they need to succeed?

Is it time for a change?

TransMath® Third Edition is different. While TransMath incorporates the components found in every prealgebra program, it differs from traditional cores because it is designed to address the needs of struggling math students and teachers who serve them.

With its unique instructional approach and robust offering of differentiation tools, TransMath delivers rigorous, standards-based instruction in prealgebra while also addressing the foundational skills needed to fill knowledge gaps.

TransMath is an intensive solution for your students who need more than the average core to achieve the same goal as their peers successful entry into algebra.

Comprehensive Standards-Based Instruction

Unlike other math curricula, , *TransMath* scaffolds standards instruction to meet the needs of students below grade-level. To fill foundational gaps, teachers first focus on the mastery of prerequisite skills. As instruction increases in complexity and rigor, students have the background knowledge and instructional momentum to successfully master each standard.

The chart on the right shows the sequence of skills needed to master an Expressions and Equations standard. Each unit topic in TransMath Level 3 builds upon the last until instruction shifts directly to mastering the grade-level standards.

TransMath: Leveled to Meet the Need of Each Student

Some of your students may need a more intensive scope and sequence than what is covered in *TransMath* Level 3 prealgebra. Levels 1 and 2 dig deeper into the fundamental and basic skills of mathematics and accelerate students toward grade level. No matter where your middle school students are, TransMath takes them where they need to be.





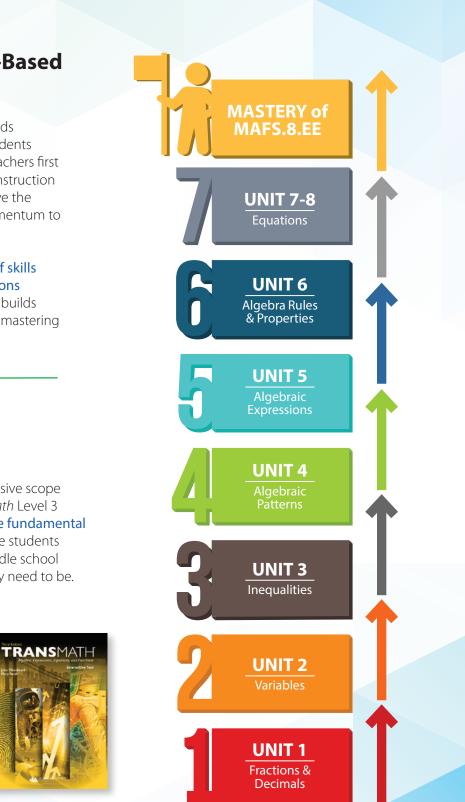
Level 1



Level 2



Level 3



Expressions & Equations Standards: Progression to Mastery in TransMath Level 3

Designed to be Different: Why TransMath Works

Most students who struggle in traditional math programs experience difficulties in two key areas: foundational skills and conceptual understanding.

Foundational skills and conceptual

understanding are essential for success in prealgebra and any preexisting instructional gaps will only grow more severe if not addressed. Most traditional core programs assume these skills already are mastered, but *TransMath* goes the extra step to ensure students have these skills before moving forward.

TransMath's dual-topic approach separates each day's lesson into two crucial instructional topics: Building Number Concepts and Problem Solving

This approach avoids the risks of cognitive overload that many students experience from dense, singularly focused, daily instruction. The dual-topic approach in each lesson deconstructs learning into smaller, achievable components and engages students with two distinct topics and instructional formats.

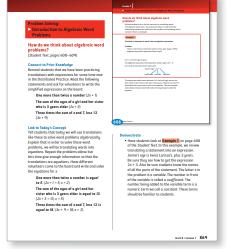
Dual-Topic Approach

Building Number Concepts: This topic

focuses on math concepts and foundational skills. Guided by explicit instruction, teachers use visual models and digital manipulatives to teach abstract math concepts by demonstrating how they relate to real-world, concrete concepts.

Problem Solving: This topic focuses on applying previously learned concepts and developing the critical-thinking skills needed to solve multistep, complex math problems. Alternating between teacher modeling, independent work, and interactive small groups, students learn, practice, and master rigorous, grade-level skills and standards.

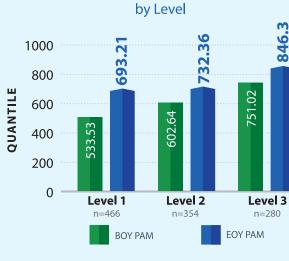
Lesson 3	Lesson 3 - Simplifying and Evaluating Algebraic Expressions Product Infing Besters and the Volume of Prisms
Building Number Concepts: Simplifying and Evaluating Alaebraic Expressions	Limplifying and Evolution Algorithmic Representation
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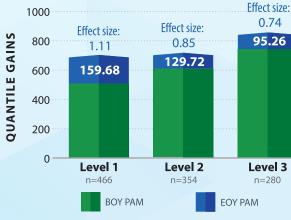
Evidence of Effectiveness: TransMath Gets Results

TransMath is designed for students who consistently struggle with mathematics and need more than the average core. It is critical that these students make significant gains to close the achievement gap and excel at grade level. With TransMath's dual-topic approach, students are making multiyear gains in one school year. Year after year, *TransMath* is changing lives and making a difference.

TransMath Third Edition 2015–2016 Results



TransMath Third Edition 2015–2016 Results by Program Level with Additional Detail











TRANSMATH MEETS ESSA STRONG EVIDENCE CRITERIA

Ouantile[®] score gains show more than three grade levels of growth in a single school year. TransMath makes the difference.

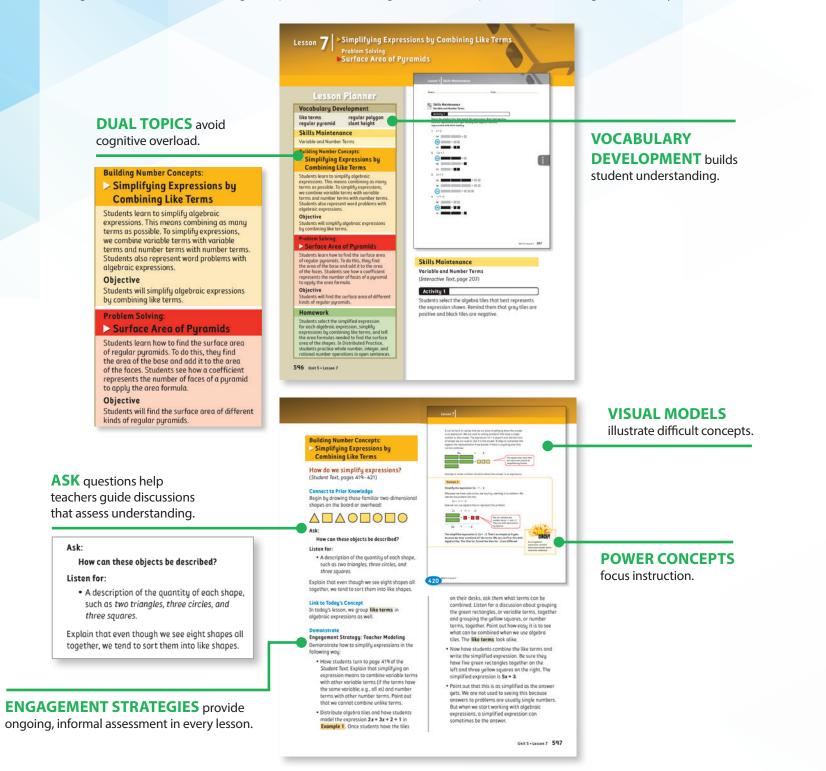


DIGITAL **MANIPULATIVES** provide opportunities for

students to interact.

Instruction at a Glance: Let's take a Look

Logical, consistent lesson design keeps students moving toward conceptual understanding and mastery.



WATCH FOR questions guide teachers in assessing student understanding.

Watch for:

- Can students correctly simplify the side of the equation they are given?
- Can students come up with a different, yet equivalent, expression to write on the other side?
- Do students know to check their work at the end to be sure the two sides are equal?

REINFORCE UNDERSTANDING

with interactive online models.

B Reinforce Understanding Remind students that they can review lesson concepts by accessing the online Unit 7 Lesson 2 Teacher Talk Tutorial.

DISTRIBUTED PRACTICE in every lesson provides continued practice of previously learned skills.

Activity 4 • Distributed Practice

Students practice operations on fractions and integers, PEMDAS, and the Distributive Property.

TRANSMATH®

SKILL APPLICATION provides

immediate opportunity for students to practice what they learned.

Apply Skills Have students turn to pages 264 and 265 of the Interactive Text, which provides students an opportunity to practice balancing equations on their own.

Activity 1

Students fill in the missing side of an equation by writing an equivalent expression. Tell them to follow the steps we practiced in the Student Text: simplify one of the sides, think of an expression that is equal, and write the expression in the diagram. Tell them to check their work by simplifying both sides to be sure they are equal Monitor students' work as they complete the activity.

Natch for

- Can students correctly simplify the side of the equation they are given?
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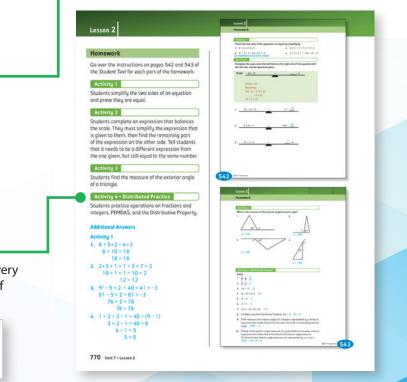
Reinforce Understanding Remind students that they can review lesson concepts by accessing the online Unit 7 Lesson 2 Teacher Talk Tutorial.

Lessen 2 Apply Skills

4+5 + 104-100

Access1

Hait 7 - Lesson 2 765



Differentiated, Interactive and Extended Learning: The Classroom in Action

TransMath units are built for differentiation. Structured in 10 or 15 lessons, units are designed for 50- to 60-minute blocks per day with designated times for differentiation. With a robust selection of activities and online tools, TransMath gives teachers the time, guidance, and resources to meet the needs of each student and ensures that students master the skills and standards needed to be Algebra-ready.

Let's take a look at the classroom.

INTERACTIVE CLICK THRU presents the initial instruction for each dual-topic lesson in a downloadable presentation. These presentations provide another visual model to enhance daily instruction. Using a PowerPoint format enables teachers to customize instruction with additional details, cool images, outside sources, new activities, and more to suit their students' needs.

MATH TOOLBOX includes a variety of digital manipulatives for teachers to use during instruction and for students to use during independent work. These manipulatives are interactive and promote conceptual development and practice needed for mastery.



UNIT OPENERS are written specifically to engage and motivate students at the start of each unit while building background knowledge around the theme for the unit.

are additional instructional opportunities recommended for students not demonstrating mastery on lesson quizzes and end-of-unit assessments. These activities provide more intensive instruction on the skills and standards taught in the unit.



TEACHER TALK TUTORIALS

are narrated videos and animations that introduce and develop the initial instruction for each dual-topic lesson. Tutorials benefit teachers by providing an audio and visual model of the day's instruction. Students benefit by receiving 24/7 access to revisit, refresh, and reinforce the skills and standards taught in class.

REINFORCEMENT ACTIVITIES

ON TRACK! EXTENSION

ACTIVITIES are multistep word problems designed for small groups—student-led for "on-track" students and teacher-led for struggling students. These activities promote group discussion, collaboration, and support for complex math problems.

Enriching Technology: *VmathLive* Engages Students

TransMath is accompanied by *VmathLive* at no additional charge.

VmathLive[®] is an online, independent-learning component that helps students apply math skills in a fun, interactive environment that is available anytime and anywhere, on any device. *VmathLive* engages students with competitive games and additional instruction to improve their math skills in conjunction with *TransMath* or as an independent differentiation and enrichment tool.

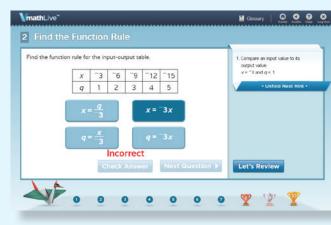
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Home Page



Problem-Solving Activity

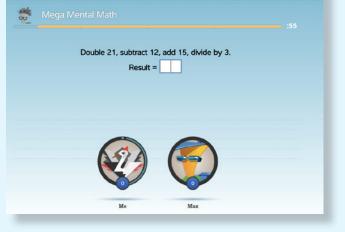


mathLive®

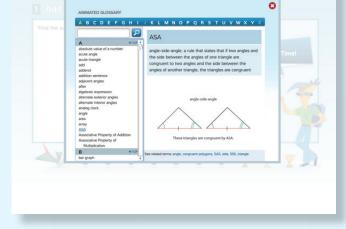
Practice Activities



Rewards promote student participation



Compete with other students or the computer



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Animated Glossary includes key math vocabulary





MODULE TEST
Solving Different Kinds of Algebraic Equations & Algebraic Word Probl
Solve the equation.
3.4 = n - 8.9
5.4 - 11 8.5
n =
Next Question >
1 of 20

Mini Assessments

MYI	PROGRESS			Lea	rn	Play	Time
1	10 of 10 ACTIVITIES	TTTTTTTTT Whole Numbers	21 DAYS	5 hrs 20 min	502 SOLVED	15,500 TOTAL POINTS	90% TEST (3 TRIES
2	12 of 12 ACTIVITIES	Adding and Subtracting Whole Numbers	19 DAYS	4 hrs 46 min	467	10,220 TOTAL POINTS	80%
3	23 of 23 ACTIVITIES	TTTTTTTTTTTTTTT Multiplying and Dividing Whole Numbers	20 DAYS	6 hrs 04 min	484 SOLVED	12,495	90% TEST (2 TRIES
4	14 of 14 ACTIVITIES	TTTTTTTTTTT Decimals	18 DAYS	4 hrs 59 min	453 SOLVED	13,890	859 TEST (3 TRIES
5	2 of 13 ACTIVITIES	PP Number Theory and Fractions	6 DAYS	22 min	24	865 TOTAL POINTS	TES
6	10 Activities	Geometry					
7		Measurement					

Progress Reports show current and past activity

Actionable Data and Reports: **Data Drives Instruction**

The comprehensive TransMath assessment system allows teachers to accurately measure student progress and proficiency at every stage of instruction. With a variety of reports available from the district level to the individual student, teachers and administrators have actionable data to drive instructional decisions, communicate progress, and ensure students meet their goals.

Most assessments are available online and paper/pencil with all reports conveniently stored in our online data-management system.

Balanced Assessment

TransMath uses a comprehensive approach to progress monitoring from each assessment taken by a student to reports generated by teachers.

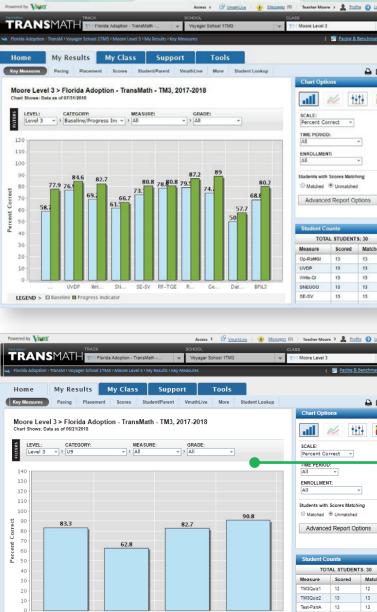


PERFORMANCE ASSESSMENTS

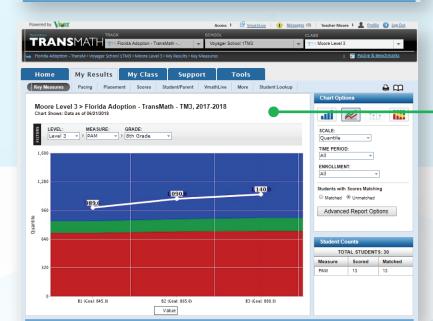
are an additional tool to assess student reasoning and problem solving after each unit and can be used as an effective FSA-prep tool. They require students to demonstrate problemsolving abilities and the proper use of mathematical language and vocabulary to justify their processes and solutions.

THE STUDENT/PARENT REPORT

is a custom report generator designed for parent communication on student progress. The report summarizes score data on key measures in an easy-to-read format for students and parents.



LEGEND > Unit 9





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Unm	Matching atched ort Options	3

STUDENTS: 30		
Scored	Matched	
13	13	
13	13	
13	13	
13	13	
13	13	







BASELINE AND SUMMATIVE

ASSESSMENTS are administered at the beginning and end of each year. Depending on the TransMath level, each assessment measures six to nine topics and demonstrates strengths and weaknesses in gradelevel proficiency at a granular level.

END-OF-UNIT ASSESSMENTS

AND UNIT QUIZZES assess key skills, procedures, and conceptual knowledge from the unit. The results provide crucial, timely data for teachers to make instructional decisions for students that have an immediate impact.

PROGRESS ASSESSMENT FOR MATHEMATICS (PAM) powered

by The Quantile Framework is a benchmark assessment that assigns students a quantile score. A quantile represents a student's range of skills and readiness for learning new skills. As a benchmark assessment, PAM tracks student proficiency during the course of the year.

Unparalleled Professional Development and Support: Make a Difference in Florida

Adopting a new math program is a huge commitment for every district and a substantial change for teachers and students. Voyager Sopris Learning® understands the importance of effectively planning, launching, and nurturing an implementation to achieve success.

Therefore, we customize implementation plans to meet specific needs and goals of every district adopting our solutions. We are the experts of our programs like district leaders are the experts of their schools and we work with districts to customize an implementation plan that includes the training and support teachers deserve.

With a variety of services and activities, our top priority is building an effective and sustainable implementation in year one with supports to further success each year of the adoption.

All professional development plans are built as flexible, living documents to adjust to the ongoing needs of the district with services such as, but not limited to:

District Launch Tr	ainings for Teachers	Priority Support for	District-Identified Schools
	initial fall launch training new-hire launch training (mid year) delayed late-hire launch training		 intensive support services individualized action plans
Leadership Touchpo	ints for Administrators	Webinars for Mor	nthly Online Touchpoints
 implementation status data reports and analysis planning, goal setting 	 challenges/next steps classroom observation PD MAFS instruction 	customized topicssharing best practices	 Q&A forums FSA prep and enrichment
Implementation Su	upport for All Schools	District Meetin	ngs & Customizations
 lesson modeling curriculum review data analysis MAFS alignment differentiation coaching side-by-side coaching 	 principal/coach meetings progress monitoring goal setting/action plans lesson planning/delivery student grouping classroom visits 	 strategic planning data analysis MAFS & FSA alignment ongoing PD planning 	 custom pacing guide SSO integration customized reporting goal setting/action plans

Creating a Successful Path to Algebra. Read what our customers have to say...

⁶⁶Last semester, we had 23 percent overall growth in our students who were in *TransMath* Level Three, and that was looking at all six of our traditional high schools."

—April Brantley Alamance-Burlington School System, North Carolina

⁶⁶I love when I overhear one student offering help to another student who may have made an error or is confused. It empowers them and also tells me that if you can teach the skill, then you have mastered the skill.⁹⁹

-Patrice Kentner

City School District of New Rochelle, New York

TRANSMATH®

"Having a program like *TransMath* that breaks [math] down is amazing...When my students say, 'I can't do fractions,' and then by the end of the lesson, they're getting 95 percent and saying, 'Yes, I can,' it's really great to see."

-Sarah Sherman

Albuquerque Public Schools, New Mexico

⁶⁶I know when we presented the data in front of the board of ed, they were just like in awe of the growth that the kids are making from the use of TransMath with our district assessments to our state assessments."

—Jason Rosen Farmington Public Schools, Missouri

Contact your sales executive to explore successful solutions for your students today.

Holme

Walton

. Washingt

Bay

Gadsden

Wakulla



Creating a *new* path to algebra.

Nassi

Clay

Puth

Lak

Polk

Hardee

DeSoto

Charlotte

Lee

Marion

Flagle

Volusia

🗸 Osceola

Indian Rive

St. Lucie

Martin

Palm Beach

Broward

Miami-Dade

Seminole

Orange

Highlands

Glade

Collier

Hendr

Alachua

Citrus

Hernan

Pasco

Hillsbo

Manatee

P25

Levy

Duva

Hamiltor

Taylor

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