

Third Edition

TRANSMATH[®]

NEW EDITION REFLECTS THE MOST CURRENT RESEARCH AND STANDARDS

Engage Students in Real-World Mathematics from Number Sense to Algebra

The new *TransMath*[®] Third Edition continues to ensure students are prepared to enter algebra and has been revised to reflect more rigorous math standards and recent math research. This edition includes:

- **New** models to support deep understanding of math topics
- **New** problem-solving strategies
- **Stronger** transition to algebra readiness with earlier introduction of algebra and more advanced algebra concepts
- **New** digital components to increase interactivity and streamline materials

In addition to the enhancements, the new edition of *TransMath* has preserved proven-effective elements of the second edition, including dual-topic approach, fewer topics in greater depth, acceleration toward grade-level mathematics, and strong teacher support with lesson-by-lesson models.

Major Content Enhancements in Third Edition by Level:



Level 1: Developing Number Sense

- Deepened instruction in multiplication and division and the connection between the two
- Significantly increased focus on word problem solving
- While still filling in gaps in foundational math—eliminated content that was well below grade level



Level 2: Making Sense of Rational Numbers

- Significantly adjusted instructional presentation of fractions
- Extended emphasis on Cuisenaire rods using visual models and digital tools
- Addition of instruction in angles and angle measurement
- More coherent treatment of probability; couples probability with percent



Level 3: Algebra: Expressions, Equations, and Functions

- Shifted the instruction of ratios and proportions into three logically related topics: ratios and proportions, rates, and percent
- Incorporated new visual models for understanding, such as tape diagrams in ratios/proportions
- Incorporated new problem-solving strategies
- Two new sections: problem solving in geometry and measurement (Unit 7) and algebra word problems (Unit 8)
- Now incorporates algebra tiles for integers and variables, using both visual models and digital tools

Comparison: *TransMath* 2nd Edition versus *TransMath* 3rd Edition



TRANSMATH 2 nd EDITION	TRANSMATH 3 rd EDITION
Instructional Design	
<ul style="list-style-type: none"> One program with three levels <ul style="list-style-type: none"> Level 1—Developing Number Sense Level 2—Making Sense of Rational Numbers Level 3—Understanding Algebraic Expressions Dual Concept Approach to reduce cognitive overload (Number Sense and Problem Solving) 50–60 minute lesson delivery Integration of visual models 	<ul style="list-style-type: none"> One program with three levels <ul style="list-style-type: none"> Level 1—Developing Number Sense Level 2—Making Sense of Rational Numbers Level 3—Algebra: Expressions, Equations, and Functions REDESIGNED to integrate the concepts and skills of newer standards (such as CCSS and TEKS) NEW content and deeper integration of skills in problem solving Dual Concept Approach to reduce cognitive overload (Number Sense and Problem Solving) 50–60 minute lesson design NEW Digital Manipulatives to support conceptual understanding NEW AND ENHANCED visual models and manipulatives
Technology	
<ul style="list-style-type: none"> For teachers—VPORT access for data management and resources For students—VmathLive access and Testing Center access mBooks for teachers and students 	<ul style="list-style-type: none"> NEW for teachers—<i>TransMath</i> Teacher Center with enhanced eBook access and VPORT NEW for students—<i>TransMath</i> Student Center with enhanced eBook and VmathLive access NEW Digital Toolkits/Manipulatives for teachers and students
Teacher Materials	
Instructor Kit includes: <ul style="list-style-type: none"> Teacher Editions, Volumes 1 & 2 Information Booklet for the Progress Assessment Teacher Resource Kit: <ul style="list-style-type: none"> Teacher Resource Guide Transparencies Overhead Manipulatives mBook Access (includes TeacherTalk Tutorials and Click-Thru slideshows) 	Instructor Kit includes: <ul style="list-style-type: none"> Spiral-bound Teacher Editions, Volumes 1 & 2 NEW online eBooks: <ul style="list-style-type: none"> Teacher Edition enhanced with digital manipulatives, Teacher Talk Tutorials, and Click-Thru slideshows Student Materials Printable Assessment Books Teacher Resource Guide Digital Toolkit—digital manipulatives
Student Materials	
Student Kit includes: <ul style="list-style-type: none"> Student Text, hard cover Interactive Textbook, consumable Assessment Book Digital resources: <ul style="list-style-type: none"> mBook access VmathLive for <i>TransMath</i> 2nd Edition <i>TransMath</i> Testing Center 	Student Kit includes: <ul style="list-style-type: none"> Consumable Interactive Textbook NEW online eBooks: <ul style="list-style-type: none"> Student Text enhanced with digital manipulatives and Teacher Talk Tutorials Digital Interactive Text and digital manipulatives <i>TransMath</i> Testing Center VmathLive for <i>TransMath</i> 3rd Edition
Assessment Design	
<ul style="list-style-type: none"> Placement Test to identify entry level Progress Assessment powered by the Quantile® Framework by Metametrics®—four Benchmark Assessments specific to <i>TransMath</i> content Baseline and Summative Assessment per Level Ongoing Assessments 	<ul style="list-style-type: none"> NEW use of Quantile data for entry into appropriate <i>TransMath</i> levels STREAMLINED grade-level specific Progress Assessments (administered three times per year) powered by the Quantile Framework Baseline and Summative Assessment per Level Ongoing Assessments