Third Edition

# TRANSMATH®

## NEW EDITION REFLECTS THE MOST CURRENT RESEARCH AND STANDARDS

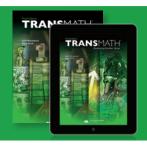
## Engage Students in Real-World Mathematics from Number Sense to Algebra

The new *TransMath*<sup>®</sup> 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 2<sup>nd</sup> Edition versus TransMath 3<sup>rd</sup> Edition













#### TRANSMATH 2nd EDITION

#### TRANSMATH 3rd EDITION

### Instructional Design

- One program with three levels
  - 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

- One program with three levels
  - 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

- For teachers—VPORT access for data management and resources
- For students—VmathLive access and Testing Center access
- mBooks for teachers and students

- NEW for teachers—TransMath Teacher Center with enhanced eBook access and VPORT
- NEW for students—TransMath Student Center with enhanced eBook and VmathLive access
- NEW Digital Toolkits/Manipulatives for teachers and students

## Teacher Materials

### Instructor Kit includes:

- Teacher Editions, Volumes 1 & 2
- Information Booklet for the Progress Assessment
- Teacher Resource Kit:
  - Teacher Resource Guide
  - Transparencies
  - Overhead Manipulatives
- mBook Access (includes TeacherTalk Tutorials and Click-Thru slideshows)

#### Instructor Kit includes:

- Spiral-bound Teacher Editions, Volumes 1 & 2
- NEW online eBooks:
  - 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:

- Student Text, hard cover
- Interactive Textbook, consumable
- Assessment Book
- Digital resources:
  - mBook access
  - VmathLive for TransMath 2nd Edition
  - TransMath Testing Center

## Student Kit includes:

- Consumable Interactive Textbook
- NEW online eBooks:
  - Student Text enhanced with digital manipulatives and Teacher Talk Tutorials
  - Digital Interactive Text and digital manipulatives
  - TransMath Testing Center
  - VmathLive for TransMath 3rd Edition

## Assessment Design

- Placement Test to identify entry level
- Progress Assessment powered by the Quantile® Framework by Metametrics®—four Benchmark Assessments specific to TransMath content
- Baseline and Summative Assessment per Level
- Ongoing Assessments

- NEW use of Quantile data for entry into appropriate

  TransMath lovels
- STREAMLINED grade-level specific Progress Assessments (administered three times per year) powered by the Quantile Framework
- Baseline and Summative Assessment per Level
- Ongoing Assessments

