

Math in Focus[®]

Singapore Math[®]
by Marshall Cavendish[®]

Learning Components

GRADES K-5 & COURSES 1-3

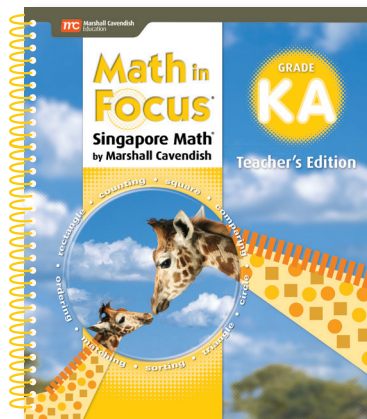


Print, Manipulative, and Technology Resources

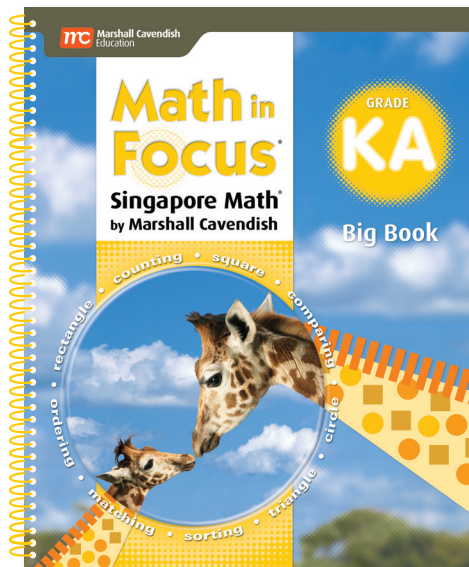
Print Components Kindergarten

Core Components

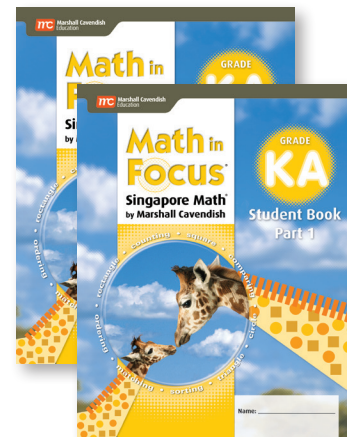
Volume A is designed for the first half of the year and **Volume B** is for the second half of the year.



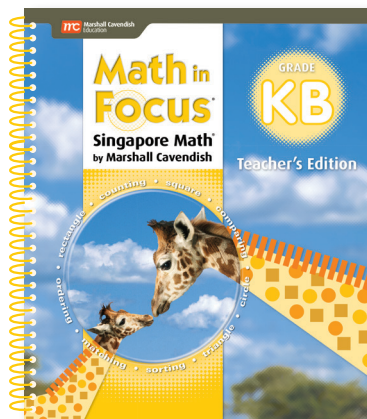
Teacher's Edition A



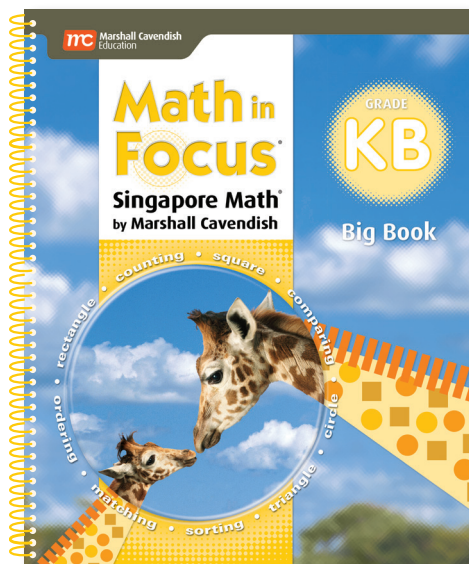
Big Book A



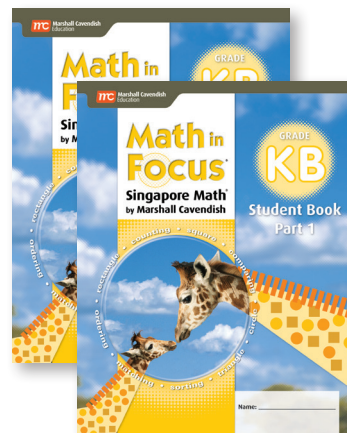
Student Books A, Parts 1 & 2



Teacher's Edition B



Big Book B



Student Books B, Parts 1 & 2

The **Kindergarten Big Books** are colorfully illustrated and engaging. They are used during core instruction for investigation, meaningful discussion, and application of concepts.

The direct correlation of the **Big Book** and the **Student Books** allows for age-appropriate and mathematically sound practice, assessment, and development of problem-solving and thinking skills.

Additional learning activities, found in the Teacher's Edition, complete the instructional sequence for each lesson.

Wraparound **Teacher's Editions A** and **B** include Chapter Overviews with math background, cross-curricular connections, differentiation resources, a planning guide, assessment and remediation, point-of-use lesson support, math talk, best practices, checks for understanding, and more!

Differentiation Resources

Available as print blackline masters and online

Extra Practice provides additional problems and activities for struggling and on-level students.

Enrichment provides advanced students opportunities to extend and apply concepts, skills, and strategies.

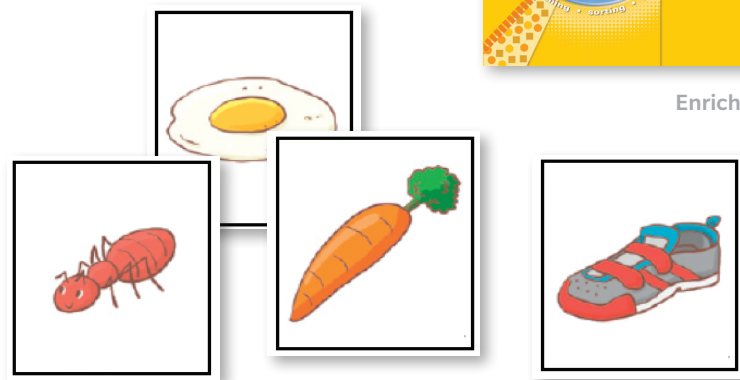
Additional Resources

STUDENT ACTIVITY CARDS

Cardstock sets of domino cards, numeral cards, and more allow students to easily manipulate pictorial and symbolic representations of quantity, shape, and other attributes.

TEACHER ACTIVITY CARDS

Demonstration-size duplicates of the Student Activity Cards.



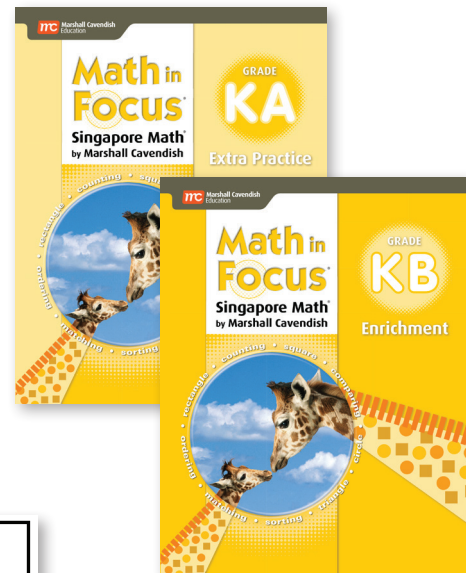
ASSESSMENTS

“Paper-and-pencil” assessments for every chapter provide a clear picture of individual progress. Corresponding interview-style assessments provide an alternative assessment opportunity that allows students to interact with the teacher and actively demonstrate understanding.

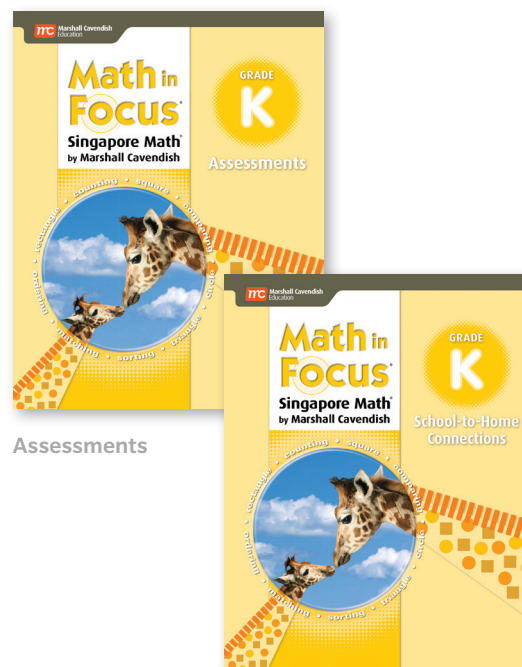
SCHOOL-TO-HOME CONNECTIONS

School-to-Home Connections contain parent involvement letters in English and Spanish. These communications provide “do at home” activities aligned to curriculum and key learning objectives for each chapter.

Extra Practice



Enrichment



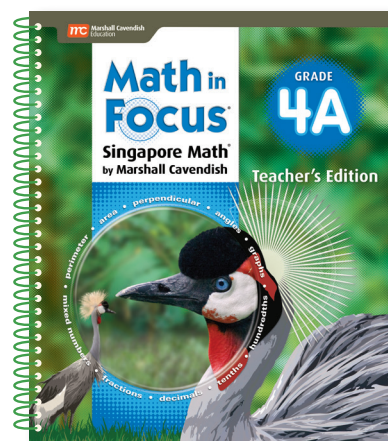
Assessments

School-to-Home Connections

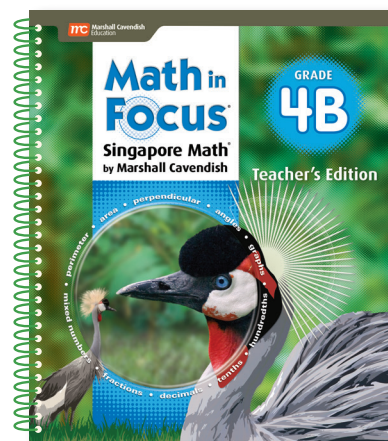
Print Components Grades 1–5

Core Components

Student Books focus on classroom learning, discussion, practice, and problem solving. Corresponding **Teacher's Editions** provide support and teaching suggestions.

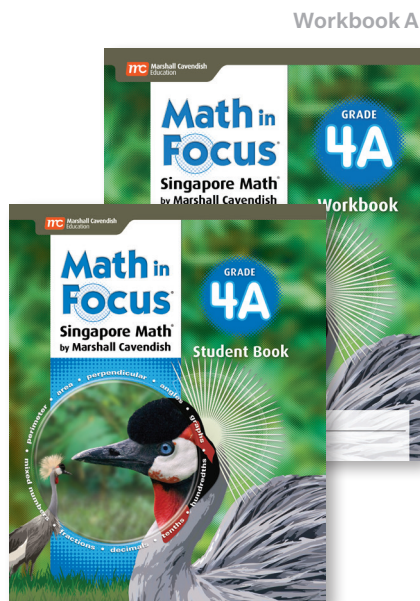


Teacher's Edition A

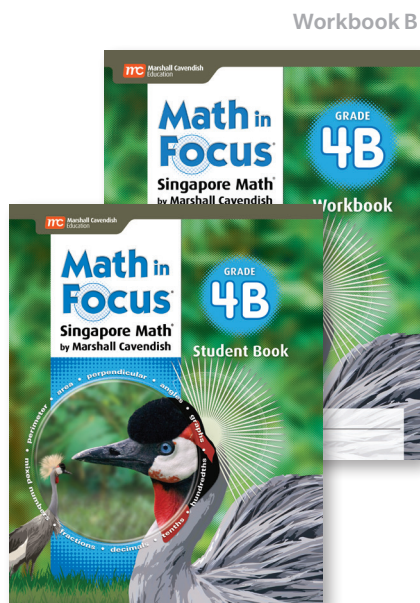


Teacher's Edition B

Wraparound **Teacher's Editions A** and **B** contain complete program support, including Chapter Overviews with math background, cross-curricular connections, differentiation resources, planning guide, assessment and remediation, common error alerts, best practices, checks for understanding, and more!

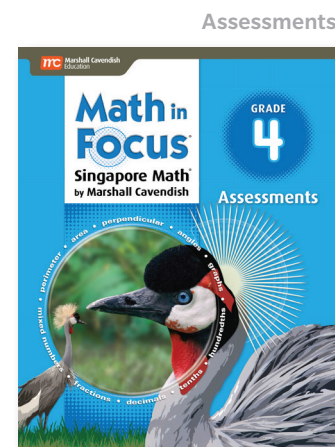


Student Book A



Student Book B

Student Books and **Workbooks** are designed to work together. The Student Books focus on learning, classroom teaching, and discussion. The Workbook problems are assigned for independent work.



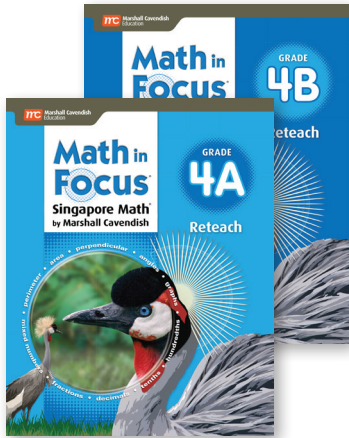
ASSESSMENTS

Diagnostic chapter pretests help teachers plan instruction. Chapter tests in test-prep format provide formal assessment opportunities. Benchmark, Mid-Year, and End-of-Year Assessments provide further measures of students' mastery of concepts. There are a variety of question formats—multiple choice, short answer, and extended response.

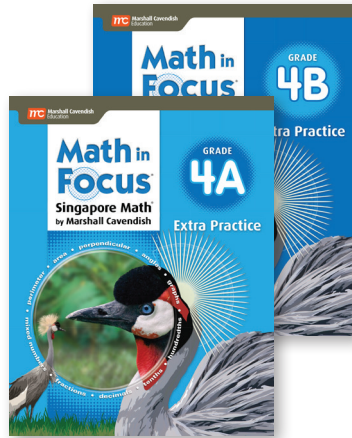
Differentiation Resources

FOR ENGLISH LANGUAGE LEARNERS

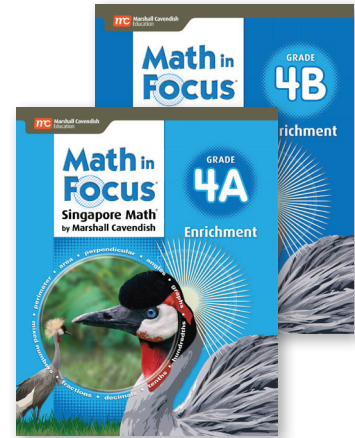
The powerful mathematical models and visual aspect of **Math in Focus** mean the entire program is inherently accessible to English language learners. Additionally, the Teacher's Edition provides point-of-use suggestions to facilitate instruction for English language learners.



Reteach A & B



Extra Practice A & B



Enrichment A & B

FOR STRUGGLING LEARNERS

Reteach provides more exposure to concepts for those students who need more time to master new skills or concepts.

FOR ON-LEVEL STUDENTS

Extra Practice pages correlate directly to the Workbook practices. Put on Your Thinking Cap! questions provide more practice on both non-routine and strategy-based questions.

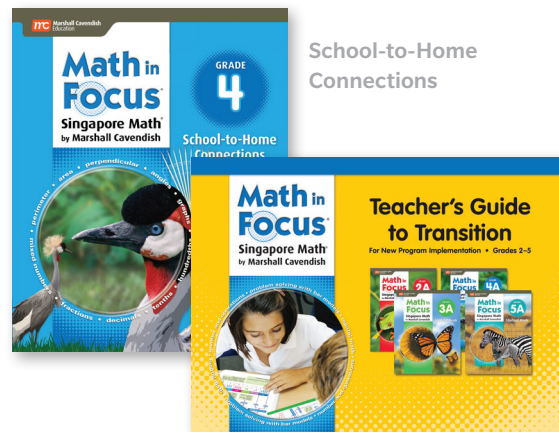
FOR ADVANCED STUDENTS

Enrichment exercises of varying complexity provide advanced students opportunities to extend learning.

ADDITIONAL COMPONENTS

School-to-Home Connections contains parent involvement letters in English and Spanish. These communications provide “do at home” activities aligned to the curriculum.

The **Teacher's Guide to Transition (Grades 2–5)** provides a map to help transition students into the **Math in Focus** program. The classroom teacher can easily scan through the skills and concepts presented in prior years to identify background knowledge necessary for student success.

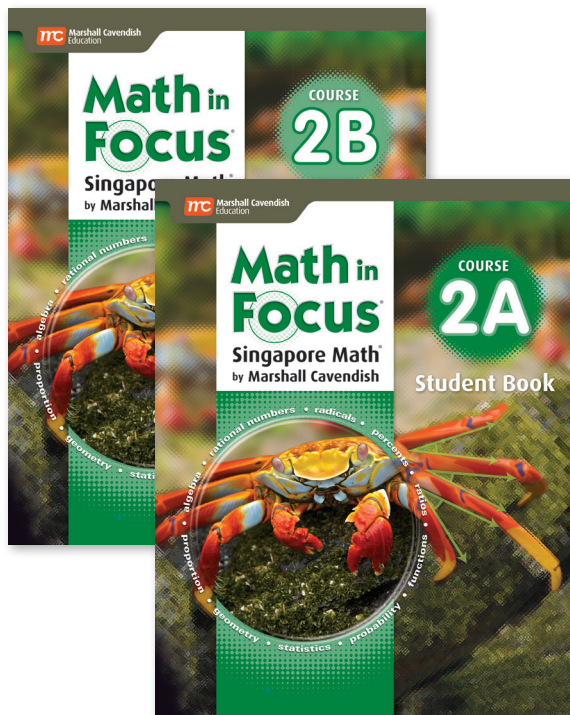


Teacher's Guide to Transition

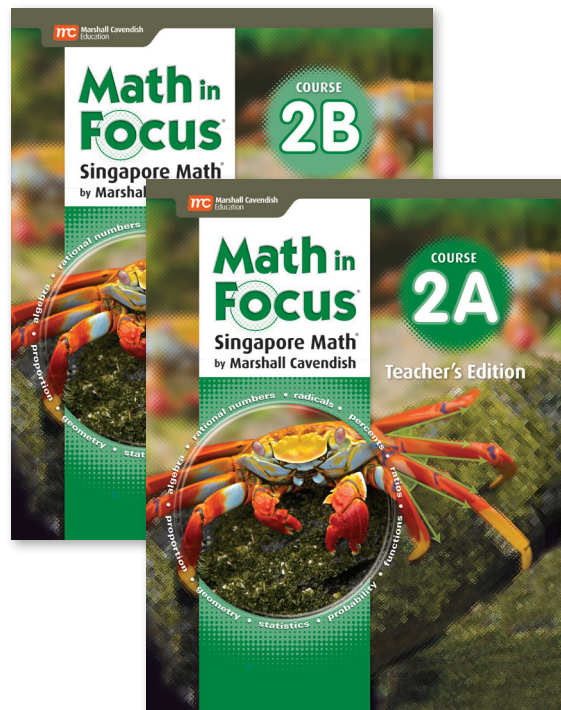
Print Components courses 1–3

Core Components

Student Books focus on classroom learning, discussion, practice, and problem solving. Corresponding **Teacher's Editions** provide support and teaching suggestions.



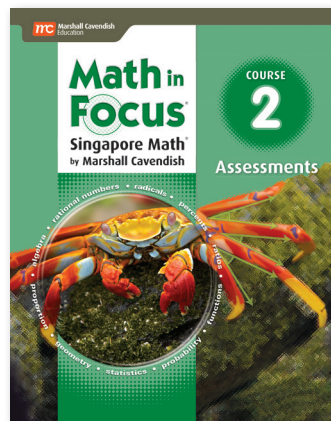
Student Book A and B



Teacher's Edition A and B

ASSESSMENTS

Diagnostic chapter pretests help teachers plan instruction. Chapter tests in test-prep format provide formal assessment opportunities. Benchmark, Mid-Year, and End-of-Year assessments provide further measures of students' mastery.



Assessments



Family Letter

FAMILY LETTERS AND ACTIVITIES

These include newsletters in English and Spanish that promote family involvement with chapter vocabulary and concepts.

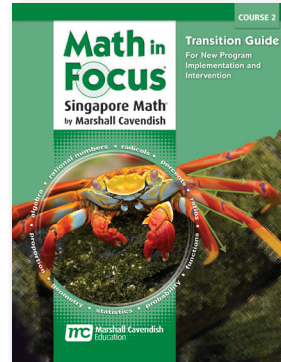
Differentiation Resources

FOR TRANSITION

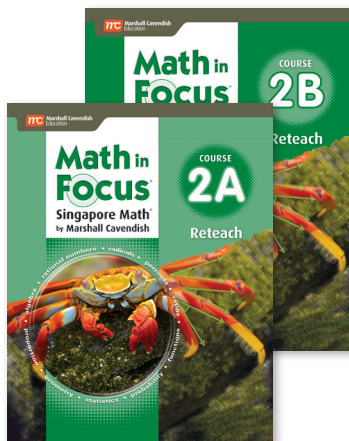
The **Transition Guide** and **Online Transition Map** are intervention resources to support students whose knowledge of prerequisite skills and concepts is weak.

ENGLISH LANGUAGE LEARNERS

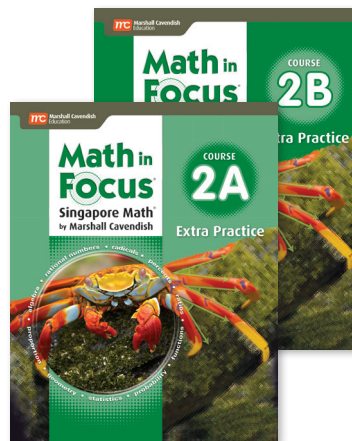
The simple language, clear drawings, and visual aspect of **Math in Focus** means the entire program is inherently accessible to English language learners. Additionally, the Teacher's Edition provides lesson-specific suggestions for facilitating instruction for English language learners.



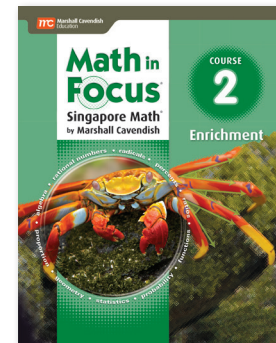
Transition Guide



Reteach A & B



Extra Practice A & B



Enrichment

FOR STRUGGLING LEARNERS

Reteach provides more exposure to concepts for those students who need more time to master new skills or concepts. Additionally, the Teacher's Edition provides tips for helping struggling students at point of use.

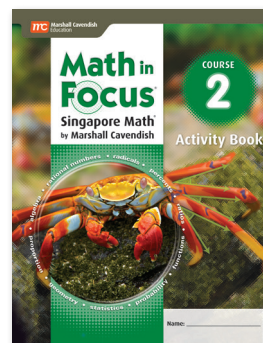
FOR ON-LEVEL STUDENTS

Extra Practice provides more practice to on-level students and exercises are similar to the Practice exercises in the Student Books.

Activity Book contains projects and activities to deepen students' mathematical experiences.

FOR ADVANCED STUDENTS

Enrichment provides exercises for advanced students seeking an additional challenge.



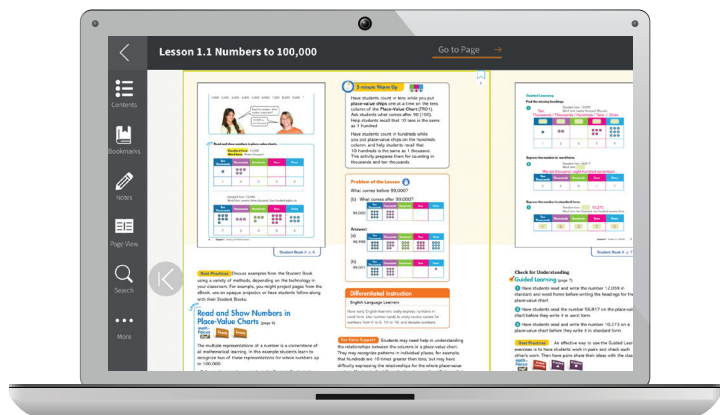
Activity Book

Technology

Enhance the learning experience in the classroom and at home!

Flexible, engaging online tools and content help students learn and track progress while offering ease of access and a personalized experience.

TEACHER EXPERIENCE



Online Teacher's Edition eBooks (Grades K–8)

Provide online access to the Teacher's Editions.

Online Workbooks (Grades 1–5)

Teachers can access PDFs of all of the Student Workbook pages.

Online Big Book eBooks (Grade K)

The Big Book eBooks provide online access to the Kindergarten Big Book content. Ideal for projection or on an interactive whiteboard.

Math in Focus Online Assessment Generator

(Grades 1–5)

Create unlimited online customized tests and practice sets for students. Teachers can choose from multiple-choice, short-response, and extended-response problems using any computer with an Internet connection.

Online Videos and Podcasts for Teachers and Parents (Grades K–8)

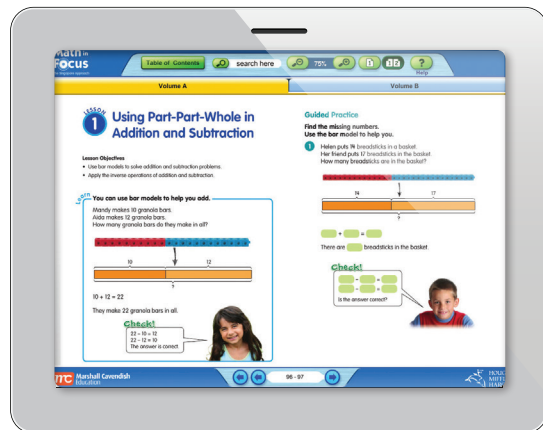
Learn more about Singapore Math® with online videos and podcasts. Teachers can access math background videos and author podcasts. Parents can learn more about Singapore Math® and how to help their children succeed.

Online Teacher Resources

Printable PDFs of:

- > Reteach (Grades 1–5)
- > School-to-Home Connections
- > Extra Practice
- > Enrichment (Grades 1–5)
- > Problem of the Lesson (Grades 1–5)
- > Assessment
- > Additional resources

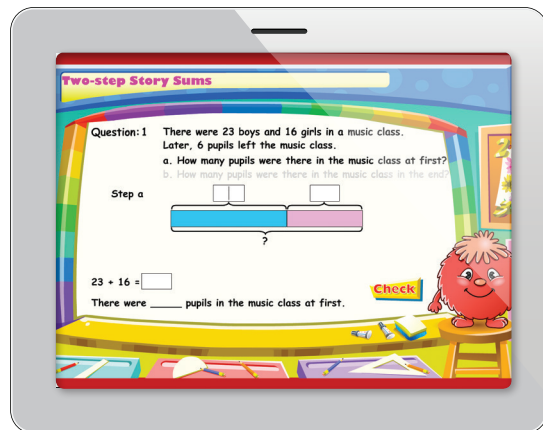
STUDENT EXPERIENCE



Online Student Book eBooks

(Grades 1–8)

Provides online access to the interactive student ebooks.



Online Student Interactivities

(Grades 1–5)

Bring Singapore Math® to life with fun, interactive online tutorials, activities, and quizzes—a great way to differentiate instruction and to practice at home!

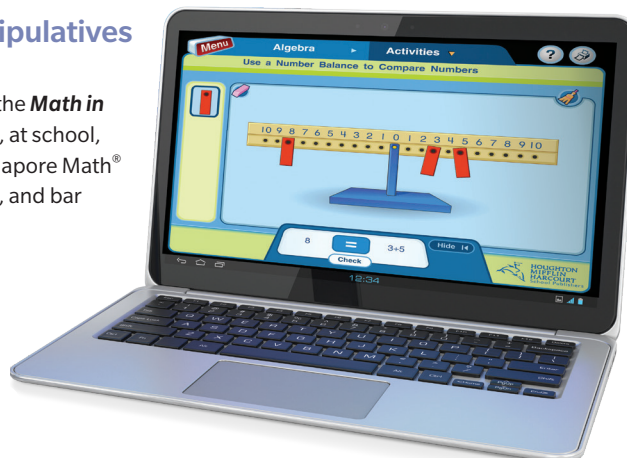
Singapore Math® Bar Models for iPad® App*

(Grades 2–5)
Practice bar modeling on your iPad.



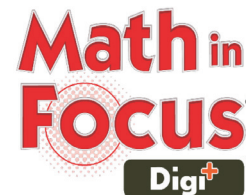
Online Virtual Manipulatives

(Grades K–8)
Students can interact with the **Math in Focus** manipulatives online, at school, and at home. Includes Singapore Math® place value, number bonds, and bar modeling tools.



*Available in the App Store

Singapore Math® is a trademark owned by Singapore Math Inc. and Marshall Cavendish Education Pte. Ltd.



Math in Focus® Digi+ (Grades 1–5)

Your one-stop resource for interactive teaching and learning tools!

Math in Focus® Digi+™ is an online curriculum designed to complement the core materials of the **Math in Focus** program, using the same pedagogical principles of the Singapore Math® approach. **Math in Focus Digi+** combines multimedia technology with instructional strategies to offer an engaging teaching and learning experience!



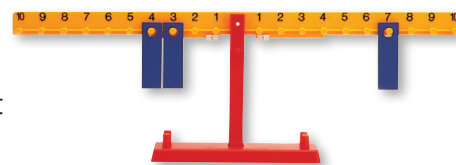
KEY FEATURES OF MATH IN FOCUS DIGI+ include:

- Lessons that contain all seven components of any **Math in Focus** lesson: **Pretest, Teach, Learn, Guided Learning, Practice, Posttest, and Intervention.**
- **Intervention solution:** **Math in Focus Digi+** allows teachers to easily identify students who need help and assign lessons based on results.
- **Thousands of multimedia resources** animate math concepts in an engaging way to develop deeper understanding.
- **Assessment:** Pretests and posttests can be assigned, delivered, and automatically graded to save time and support remediation.
- Built-in Interactive Whiteboard features let teachers write notes and highlight important parts of the lesson.

Manipulative Kits

30-Student Kits (Grades K–5)

Math in Focus manipulative kits are offered in different configurations to suit the needs of your classrooms. The first of these kits serves 30 students.



MATH BALANCE

Included in Grade 1 Core and 30-Student kits; available separately to enhance any K–2 math center.

30-STUDENT KITS

Comprehensive kits provide everything a classroom would need to implement the Singapore Math® program.

30-Student Kits	Gr K	Gr 1	Gr 2	Gr 3	Gr 4	Gr 5
Attribute block trays	9 sets	10 sets	12 sets			
Balance bucket	6	3				
Base 10 thousand cube			3	6		
Base 10 hundred flats		30	90	90	30	
Base 10 rods		300	600	600	150	
Base 10 units		600	600	600	300	
Clock		1	1	1		
Coin set	3 sets	6 sets	6 sets	3 sets	3 sets	
Color number cubes	96	36	36	36	36	36
Craft sticks		3,000	3,000	3,000	3,000	3,000
Decahedra dice			30	45	30	
Dice	36		18	18		
Dual scale rulers			36	36		
Flexible plastic rulers						30
Fraction circles				6 sets	6 sets	
Geoboards				30	30	
Geometric solids	108	84	72			27
Geometry sets					30 sets	
Liter volume cube						10
ManipuLite® counters	1,125					
Math balance		3				
Measuring pitchers			18	18	18	
Paper clips	720					
Paper money		6 sets	6 sets	3 sets	3 sets	
Penny sets	3 sets					
Place value chips					3,000	2,625
Place value strips				30		
Protractors					2	2
Scales			4	3		
Snap cubes	900	1,800	600	600		900
Spinners		30	30	30	30	30
Tape measures			30	30	30	30
Transparent counters		1,500	750	750	750	750



Small-Group Kits (Grades K–5)

Designed to accommodate approximately 10–12 students, these kits are ideal for classrooms that have a solid base of manipulatives and need additional items to supplement lessons.

Core Classroom Kits	Gr K	Gr 1	Gr 2	Gr 3	Gr 4	Gr 5
Attribute block trays	3 sets	4 sets	4 sets			
Balance bucket	1	1				
Base 10 thousand cube			1	1		
Base 10 hundred flats			30	30	10	
Base 10 rods		100	200	200	50	
Base 10 units		200	200	200	100	
Clock		1	1	1		
Coin set	1 set	2 sets	2 sets	1 set	1 set	
Color number cubes	48	12	12	12	12	12
Craft sticks	1,000		1,000	1,000	1,000	1,000
Decahedra dice			8	12	12	
Dice	12		6	6		
Dual scale rulers			24	24		
Flexible plastic rulers						30
Fraction circles				1 set	6 sets	
Geoboards				10	10	
Geometric solids	36	36	24			
Geometry sets					24 sets	
Liter volume cube						4
ManipuLite counters	375					
Math balance		1				
Measuring pitchers			6	6	6	
Paper clips	300					
Paper money		2 sets	2 sets	1 set	1 set	
Penny sets	1 set					
Place value chips					1 set	1 set
Protractors						24
Scales			1	1		
Snap cubes	300	600	200	200		300
Spinners		10	10	10	10	10
Tape measures			5	5	10	10
Transparent counters		500	250	250	250	250

STUDENT WHITEBOARDS

Grades 1–5

Convenient wipe-off boards help students solve and show practice problems. They are packaged in sets of five.

PLACE VALUE MATS

Grades 1–5

Large place value mats allow students to interact with place value materials at their desks or at a math center.

Hundreds	Tens	Ones

Manipulative Kits continued

Individual Student Kits (Grades K–5)

Designed for individual student use and packaged in a mesh bag for storage and organization, the contents of the individual student kits provide the concrete materials used in Singapore Math®. They include the key manipulatives for understanding place value, number and operations, mental math, and number sense.

Individual Student Kits	Gr K	Gr 1	Gr 2	Gr 3	Gr 4	Gr 5
Base 10 thousand cube			1	1		
Base 10 hundred flats		1	10	20	10	
Base 10 rods		20	20	20	20	
Base 10 units		20	20	20	20	
Coin set		1 set	1 set	1 set	1 set	
Counters	20					
Craft sticks		100				
Fraction circles				1 set	1 set	
Paper clips	40					
Paper money		1 set	1 set	1 set	1 set	
Place value chips					1 set	1 set
Place value strips				1 set		
Protractors					1	1
Snap cubes	40	40	40	40		



30-Student Kits (Courses 1–3)

Designed to build foundational understanding of pre-algebra, measurement, and geometry concepts in middle school, this manipulative kit supports whole-class instruction for 30 students

Manipulatives	Quantity
Algebra Tiles™ Student Set Set of 32 pieces includes 4 squared variables, 8 variables, and 20 constants	16 sets
Compasses	30
Set Squares (Drawing Triangles)	30
Protractors	30
Unit Cubes Colorful, interlocking cubes make it easy to measure volume, mass, length, and more. Each cube measures 1 cm ³ and has a mass of 1 gram.	500
Counters 2-color (200 per set)	4 sets
Blank Dice and Labels (Set of 36)	1 set
Rainbow Fraction® Circles (Set of 51)	30 sets

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