comprehensive edition





Reinvent, reimagine, and rethink your traditional math program.



PROGRAM OVERVIEW



NEW Connecting Math Concepts: Comprehensive Edition

APPROPRIATE AS A CORE PROGRAM **OR FOR AT-RISK STUDENTS**

Accelerate Math Learning Performance

- O Reinvent instruction to meet rigorous Common Core State Standards
- O Reimagine a math program with all the digital resources you need
- O Rethink your traditional math program to accelerate student learning



Connecting concepts for greater understanding

Connecting Math Concepts combines facts, procedures, conceptual understanding, applications, and problem solving skills to provide a comprehensive curriculum for students. Students learn to understand math by making connections among related math topics, procedures, and knowledge.

Key features include:

- Critical concepts introduced at just the right time help students remember and integrate concepts into previous learning.
- O Explicit, research-proven instruction helps students master math skills.
- Ongoing assessment and progress monitoring allows teachers to quickly pinpoint areas of concern and correct errors immediately.







Grades K-5



Lesson 17 Exercise 2: Counting Eve 17:28 d Back Next 🗭

Connecting Math Concepts Reinvent

Instruction designed the CCSS

Every lesson now meets or exceeds the Common Core State Standards to accelerate learning for students at all levels.

Lessons 71-75 Planning Page

Track sequencing

Systematically designed tracks focus on specific skill sets so that students make connections and build understanding of mathematical concepts.

	1	5 10	0 15	20	25	30	35	40	15		50 5	5 6	0 65	70	75	80	85	90	95	100	105 1	10 11	15 120	125
COUNTING																								
Forward and Backwar	d ¹ 5, 105	-54	+10s		100s	-10	5	_		Count on 5	s	25s	_	_	_	_	_	25	-	+-	_	-		_
Count-On Strateg	y 🚽	from an	number	_	_	-	_	_		-	-		_	_	_	_	_		-	+-	+-			_
SYMBOL IDENTIFICATION	N	teens. 2	-diait	-	-		• † •	•••	• • • • •	•••••	• • •	•••	•••	•••	•••	• • •	•••	• • •	• •	•••	• • •	•••	•••	• •
Reading Number	3 1-d	ligit teens,	2-digit			•••	• • •	• • •		•••••	••••	•••	•••	•••	•••	• • •	• •	• • •	• • •	•••	••••	1.1		•
PLACE VALUE				10s, 1s	s addition	-	• • •	•••	 .		3-	digit additi	n •	•••	•	• • •	••••	••••	•••		pictures	[••••	
WORD PROBLEMS NUMBER FAMILIES	S		missing nu	umber	-0, -all	_	is	verse facts					_	_	_	_	_		_	+-	_	_		_
Number Family Strateg	у			-	_	-	_	-												4		4		
Addition/Subtraction Fact	3		•	•••	• • •	•••	• •	• +					-		-					+-	+-	-		
Fact Relationship	5																							
COLUMN ADDITION AND SUBTRACTION					n	o carty/res	name					1												
Column Addition with 3 Addend	s											I												
Column Subtraction - Zero as 1st Digit of Answe	er 👘											_	-							4				
Column Addition with Carryin	8				urite symbols						solve i	dependen	by		carry			to 3-sigits						
WORD PROBLEMS			morelle	ess							solve i	dependen	by	1							_			
Comparison Word Problem	15															_	~							
FRACTION	S I																						equal par	ts
MORE THAN, LESS THAN, EQUAL TO																0	> =, compa	risor states	ments	4			-	_
Completing Statement	3			-		-					-			-				-					-	
Associative Propert	у																							
Digital Clock	3																	tell	writ	4				
Analog Clock	3																			tell	W	ile		
MONE	(coine.				N	_	- +	•••		• • •	• • •	•	4				
Coins and Bill	s										-	Cite.		- †	••••	••	• † •	• • •	•					
Column Problem	3													- 1										
GEOMETR	(2-D	3-D				• •		••			•	
2-Dimensional Shape	5												-	-+		• •		• • •	• •	• • •		+ • •	•	
3-Dimensional Shape	5													+	2.		3-	0	••	•—	• • • •	• • •	•	
Composition/Decompositio	n														Ê				-	+	-		-	
2. Emersional Share			_						1		1				_						_	1	1	

Reimagine

Digital resources to help students master concepts

With new technology resources, teachers can effectively instruct, monitor, and provide additional opportunities for practice to help differentiate instruction.

- O Interactive White Board Displays and Activities Instantly display instructional math visuals and problems to help students follow daily routines
- **O** SRA 2Inform Online Progress Monitoring Track student achievements immediately
- **O** Online Practice Activities

Assign dynamic games that provide students with practice and reinforce concepts, skills, and math facts



Connecting Math Concepts Rethink

Research-proven curriculum

Rigorous field testing has shaped the program for students in grades K-5. When implemented with fidelity, Connecting Math Concepts, Comprehensive Edition results in significant, positive results in mathematics achievement.

Connectina

Field Test Results





Other schools in the same district

onnecting

ath Conce

Connecting

Nath Concepts

Connecting Nath Concepts

Results are based on average *RIT Math scores of six schools that implemented Connecting Math Concepts.

*The RIT scale uses individual item difficulty values to estimate student performance. For more information about the RIT scale, visit www.nwea.org

Rethink

Student outcomes

to mastery and understanding.

O Placement Test

where students should start the program

O Mastery Tests

applied







Connecting Math Concepts Teacher Materials

Interactive White Board Displays (Levels A-F)

Instantly displays instructional math visuals and problems to help students follow daily routines.





Teacher Presentation Books and eBook (Levels A-F)

Provide lesson plans that have been thoroughly tested in classrooms, alignments to Common Core State Standards, and resource references.



Teacher's Guide and eBook (Levels A-F)

Features instructional strategies, teaching tips, and a level-specific Scope and Sequence.



Assessment Book and eBook (Levels A-F)

Contains 12 mastery tests, 2 cumulative tests, and remedy worksheets.

Student Materials

Online Practice Activities (Levels A-F)

Provide students time to practice and reinforce concepts, skills, and math facts with fun games.



Workbooks (Levels A-F) Includes problem solving activities that correspond to lesson instruction.

BLM 64 (After Lesson 104) Cumulative Review
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
10 7 11 3 10 -5 - 4 - 6 + 5 + 8
<u> 11 14 4 8 11 </u>
$\begin{array}{cccccccccccccccccccccccccccccccccccc$

Math Fact Blackline Masters Provide math practice for topics addressed in the program.



SRA 2Inform online progress monitoring

Instantly tracks and monitors student progress.



Answer Key and eBook (Levels C-F) Makes it easy to check independent work.



Student Textbooks (Levels C-F) Include teacher-guided and independent exercises that are integral to each lesson.







Grade Level Skills Mastered

Grade K • Level A	Grade 1 • Level B	Grade 2 • Level C	Grade 3 • Level D	Grade
Counting Reciting Counting Numbers (Rote Counting) Counting Objects and Events Count-on: Next Number Counting Backward Ordinal Numbers Symbols Symbol Identification Symbol Identification Symbol Writing Numbers and Counters Equality & Equations Place Value Plus (Addition) Plus One-Digit Numbers Two-Digit Addition Turn-Around Equations (Commutative Property) Addition Facts (+1, +10, +Teen) Algebra Addition Take Away (Subtraction) Column Problems Word Problems Word Problems Money: Coins and Bills Shapes and 3.0 Objects Relative Position and Size Grouping/Ordering/Patterns	Computation Column Addition Basic Column Addition Carrying 3 Addends Column Subtraction Zero as First Digit Different Digit Problems Number Families Number Family Strategy Facts Mental Math Fact Relationships Number Families with 2 and 3-Digit Numbers Fractions Counting By 1s, 10s, 100s, 5s, 25s, 2s Counting Backward by 1s, 10s, 100s Counting On Word Problems Action and Classification Word Problems Comparison Word Problems	Counting Place Value Expanded notation, renaming Number Families Addition – Subtraction Facts Word Problems Column Addition – Subtraction Mental Math Money Multiplication Measurement Lines, Perimeter, Area Inequality/Equivalence Geometry 2D, 3D, Decomposition, Angles Missing Addend Estimation Clock Time Data Tables, Graphs, Line Charts Fractions	Addition and subtraction facts review Multiplication and division facts introduction Carrying addition and borrowing subtractions column problems Word problems for addition, subtraction, multiplication, and division Fractions Area and perimeter Counting Time Bar and picture graphs Rounding/Estimating	Multiplication a review Fractions (inclusultraction, requivalence) Word problems subtraction, reduvision Area and perim Carrying additi subtractions Multi-digit multiplication Decimals (inclusultraction) Angles Rounding/Estim Ratios Multiples, factor composite
Connecting Math Concepts	Connecting Math Concepts	Connecting Math Concepts	Connecting Math Concepts	Conn Math c





4 • Level E

n and division facts

luding addition, , multiplication, and e)

ns for addition, , multiplication, and

meter

tion and borrowing s column problems ultiplication and

luding addition and)

timating

tors, prime, and



Grade 5 • Level F

Fraction operations (addition/ subtraction with unlike denominators, multiplication, and division)

Word problems involving addition, subtraction, multiplication, and division of whole numbers and fractions

Fraction simplification

Area of rectangles, parallelograms and circles, and perimeter

Volume of rectangular prisms and cylinders

Multi-step word problems involving volume, ratio and proportion, classification, probability, and percent

Multi-digit whole-number, mixed number and decimal operations (including 2-digit divisors and decimal division)

Place value and rounding whole numbers and decimals (including millions and thousandths)

Coordinate system (points, lines and ratio word problems)

Exponents Unit conversion



some contracting the second se



Reinvent, reimagine, and rethink your traditional math program!



800-334-7344 | MHEonline.com

NEW: For Grades K-5