

Math Skills Taught

Numbers and Operations

Teaches number recognition, place value, counting, and arithmetic computation.

Geometry and Algebraic Thinking

Teaches properties of shapes, positioning, and patterns.

Measurement, Time, and Money

Develops a foundational understanding of measurement, time, and money.

Data Analysis and Problem Solving Strategies

Prepares students to analyze data. Teaches problem solving strategies through modeling and practice.

	Numbers and Operations	Geometry and Algebraic Thinking	Measurement, Time, and Money	Data Analysis and Problem Solving Strategies
Level One*	<ul style="list-style-type: none"> ✓ Recognize, order, and write numbers 0 through 20 ✓ Make and count groups ✓ Add and subtract groups ✓ Sums to 10 ✓ Subtraction of minuends to 9 	<ul style="list-style-type: none"> ✓ Shapes and positioning ✓ Match and sort ✓ Patterns 	<ul style="list-style-type: none"> ✓ Measure by comparing objects ✓ Understand time by comparison (first, before, next, after, last) ✓ Tell time to the hour 	<ul style="list-style-type: none"> ✓ Logical reasoning ✓ Act out addition and subtraction
Level Two*	<ul style="list-style-type: none"> ✓ Numbers 0 to 99 ✓ Skip count: 2s, 5s, 10s ✓ Ordinal numbers ✓ Count on ✓ Expanded notation ✓ Add and subtract sentences ✓ Add and subtract tens ✓ Fact families ✓ Add and subtract 2-digit numbers ✓ Relationship between adding and subtracting ✓ Mental math (speed practice) 	<ul style="list-style-type: none"> ✓ Congruence ✓ Symmetry ✓ Label patterns 	<ul style="list-style-type: none"> ✓ Measure length, weight, and capacity using standard and nonstandard units ✓ Compare minutes to hours ✓ Tell time to the half hour ✓ Sequence events 	<ul style="list-style-type: none"> ✓ Represent data through tally marks, graphs, and Venn Diagrams ✓ Explore probability ✓ Apply problem solving strategies: logical reasoning, act out, graph, table, look for patterns, make a list, guess and check, and use tools.
Level Three*	<ul style="list-style-type: none"> ✓ Number patterns ✓ Greater than and less than ✓ Place value ✓ Add 3-digit numbers ✓ Add and subtract without regrouping ✓ Add and subtract with regrouping ✓ Multiply by 0, 1, 2, 5, and 10 ✓ Divide by 1, 2, 5, 10 ✓ Mental math (speed practice) 	<ul style="list-style-type: none"> ✓ Similar figures ✓ Perimeter ✓ Extend patterns 	<ul style="list-style-type: none"> ✓ Compare measurements using standard and nonstandard units ✓ Tell time to the minute 	<ul style="list-style-type: none"> ✓ Analyze data through picture graphs and bar graphs ✓ Apply problem solving strategies: model problem, draw a picture, graph, table, look for patterns, make a list, guess and check, and use tools

* Children are placed in math based on age and grade in school.

Math Skills Taught—Detail

Number Sense—Level One

Unit / Lesson	Learning Objective
Unit 1/Lesson 1	Explain Numbers
Unit 1/Lesson 2	Number 1
Unit 1/Lesson 3	Number 2
Unit 1/Lesson 4	Number 3
Unit 1/Lesson 5	Number 4
Unit 1/Lesson 6	Number 5
Unit 1/Lesson 7	Review Numbers 1–5
Unit 1/Lesson 8	Order Numbers 1–5
Unit 1/Lesson 9	Make and Count Groups 1–5
Unit 1/Lesson 10	Sums to 5
Unit 2/Lesson 11	Number 0; Add to 4
Unit 2/Lesson 12	Number 6
Unit 2/Lesson 13	Number 7
Unit 2/Lesson 14	More Than, Fewer Than
Unit 2/Lesson 15	Number 8; Add to 5
Unit 2/Lesson 16	Number 9
Unit 2/Lesson 17	Number 10
Unit 2/Lesson 18	Order Numbers 6–10
Unit 2/Lesson 19	Count on by 1
Unit 2/Lesson 20	Make and Count Groups 6–10
Unit 3/Lesson 21	Add Groups
Unit 3/Lesson 22	Sums to 10; Add to 6
Unit 3/Lesson 23	Number 11; Add to 7
Unit 3/Lesson 24	Count Down
Unit 3/Lesson 25	Number 12; Add to 8
Unit 3/Lesson 26	Number 13; Add to 9
Unit 3/Lesson 27	Subtract Groups
Unit 3/Lesson 28	Number 14
Unit 3/Lesson 29	Minuends to 5
Unit 3/Lesson 30	Number 15; Subtract from 4
Unit 4/Lesson 31	Number 16; Subtract from 5

Number Sense

Math Skills Taught—Detail

Unit / Lesson	Learning Objective
Unit 4/Lesson 32	Number 17
Unit 4/Lesson 33	Minuends to 9; Subtract from 6
Unit 4/Lesson 34	Number 18; Subtract from 7
Unit 4/Lesson 35	Number 19; Subtract from 8
Unit 4/Lesson 36	Number 20; Subtract from 9
Unit 4/Lesson 37	Estimate

Number Sense – Level Two

Unit / Lesson	Learning Objective
Unit 1/Lesson 1	Keypad (4, 5, 6, Enter)
Unit 1/Lesson 2	Keypad 2 (7, 8, 9)
Unit 1/Lesson 3	Keypad 3 (1, 2, 3)
Unit 1/Lesson 4	Keypad 4 (0, Delete, Backspace)
Unit 2/Lesson 5	Number Recognition 0–9; Number Chart 0–9; Number Line 0–20
Unit 2/Lesson 6	Number Recognition 10–19; Number Chart 0–19
Unit 2/Lesson 7	More Than, Fewer Than
Unit 2/Lesson 8	Ordinal Numbers
Unit 2/Lesson 9	Count On
Unit 2/Lesson 10	Add Groups
Unit 2/Lesson 11	Add Sentences
Unit 2/Lesson 12	Add 1 and 1–5
Unit 2/Lesson 13	Addition of 2 and 1–5
Unit 2/Lesson 14	Addition of 3 and 1–5
Unit 2/Lesson 15	Addition of 4 and 1–5
Unit 2/Lesson 16	Addition of 5 and 1–5
Unit 2/Lesson 17	Commutative Property of Addition
Unit 2/Lesson 18	Addition of 0 and 1–5
Unit 3/Lesson 19	Subtraction Sentences
Unit 3/Lesson 20	Subtract 1 from 1–6
Unit 3/Lesson 21	Subtract 2 from 2–7
Unit 3/Lesson 22	Subtract 3 from 3–8

Math Skills Taught—Detail

Unit / Lesson	Learning Objective
Unit 3/Lesson 23	Subtract 4 from 4–9
Unit 3/Lesson 24	Subtract 5 from 5–10
Unit 3/Lesson 25	Subtraction Patterns
Unit 3/Lesson 26	Subtract 0 from 0–5
Unit 3/Lesson 27	Addition and Subtraction Relationship
Unit 4/Lesson 28	Addition Strategy (Doubles, Sums to 10)
Unit 4/Lesson 29	Addition Strategy (Doubles plus 1, Sums to 10)
Unit 4/Lesson 30	Subtraction Strategy (Doubles, Minuends to 10)
Unit 4/Lesson 31	Addition and Subtraction Fact Families
Unit 4/Lesson 32	Number Recognition 20–29; Number Chart 0–29
Unit 4/Lesson 33	Number Recognition 30–39; Number Chart 0–39
Unit 4/Lesson 34	Add 0 and 6–10
Unit 4/Lesson 35	Add 1 and 6–10
Unit 4/Lesson 36	Add 2 and 6–10
Unit 4/Lesson 37	Add 3 and 6–10
Unit 4/Lesson 38	Number Recognition 40–49; Number Chart 0–49
Unit 4/Lesson 39	Add 4 and 6–10
Unit 4/Lesson 40	Make 10
Unit 4/Lesson 41	Add 5 and 6–10
Unit 5/Lesson 42	Number Recognition 50–59; Number Chart 0–59
Unit 5/Lesson 43	Number Recognition 60–69; Number Chart 0–69
Unit 5/Lesson 44	Subtract 0 from 6–10
Unit 5/Lesson 45	Subtract 1 from 7–11
Unit 5/Lesson 46	Subtract 2 from 8–12
Unit 5/Lesson 47	Number Recognition 70–79; Number Chart 0–79
Unit 5/Lesson 48	Subtract 3 from 9–13
Unit 5/Lesson 49	Subtract 4 from 10–14
Unit 5/Lesson 50	Subtract 5 from 11–15
Unit 6/Lesson 51	Skip Count by 10; Skip Count by 5; Skip Count by 2
Unit 6/Lesson 52	Add 6 and 6–10
Unit 6/Lesson 53	Add 7 and 6–10
Unit 6/Lesson 54	Add 8 and 6–10

Math Skills Taught—Detail

Unit / Lesson	Learning Objective
Unit 6/Lesson 55	Add 9 and 6–10
Unit 6/Lesson 56	Number Recognition 80–89; Number Chart 0–89
Unit 6/Lesson 57	Number Recognition 90–99; Number Chart 0–99
Unit 6/Lesson 58	Add 10 and 6–10
Unit 6/Lesson 59	Subtract 6 from 6–16
Unit 6/Lesson 60	Subtract 7 from 7–17
Unit 6/Lesson 61	Subtract 8 from 8–18
Unit 6/Lesson 62	Subtract 9 from 9–19
Unit 6/Lesson 63	Subtract 10 from 10–20
Unit 7/Lesson 64	Addition Strategy (Doubles, Sums to 20)
Unit 7/Lesson 65	Addition Strategy (Doubles plus 1, Sums to 20)
Unit 7/Lesson 66	Subtraction Strategy (Doubles, Minuends to 20)
Unit 7/Lesson 67	Addition and Subtraction Fact Families to 20
Unit 7/Lesson 68	Missing Addends
Unit 7/Lesson 69	Missing Minuends and Subtrahends
Unit 7/Lesson 70	Greater Than, Less Than (1-digit Numbers)
Unit 7/Lesson 71	Greater Than, Less Than (2-digit Numbers)
Unit 7/Lesson 72	Add Three 1-digit Numbers
Unit 7/Lesson 73	Expanded Notation
Unit 7/Lesson 74	Add Tens
Unit 7/Lesson 75	Subtract Tens

Number Sense

Number Sense – Level Three

Unit / Lesson	Learning Objective
Unit 1/Lesson 1	Skip Counting
Unit 1/Lesson 2	Sequences of 2-digit Numbers
Unit 1/Lesson 3	Place Value of 2-digit Numbers
Unit 1/Lesson 4	Patterns of 2-digit Numbers
Unit 1/Lesson 5	Greater Than, Less Than (2-digit Numbers)
Unit 2/Lesson 6	Round to Tens
Unit 2/Lesson 7	Add 2-digit Numbers without Regrouping

Math Skills Taught—Detail

Unit / Lesson	Learning Objective
Unit 2/Lesson 8	Add with Regrouping
Unit 2/Lesson 9	Add 2-digit and 1-digit Numbers with Regrouping
Unit 2/Lesson 10	Add 2-digit Numbers with Regrouping
Unit 2/Lesson 11	Add 3 Two-digit Numbers with Regrouping
Unit 3/Lesson 12	Subtract 2-digit Numbers without Regrouping
Unit 3/Lesson 13	Subtract with Regrouping
Unit 3/Lesson 14	2-digit Minus 1-digit Numbers with Regrouping
Unit 3/Lesson 15	Subtract 2-digit Numbers with Regrouping
Unit 4/Lesson 16	Sequences of 3-digit Numbers
Unit 4/Lesson 17	Place Value of 3-digit Numbers
Unit 4/Lesson 18	Patterns of 3-digit Numbers
Unit 4/Lesson 19	Greater Than, Less Than (3-digit Numbers)
Unit 5/Lesson 20	Add 3-digit Numbers without Regrouping
Unit 5/Lesson 21	Add 3-digit Numbers with Regrouping
Unit 5/Lesson 22	Subtract 3-digit Numbers without Regrouping
Unit 5/Lesson 23	Subtract 3-digit Numbers with Regrouping
Unit 6/Lesson 24	Multiply Using Repeated Addition
Unit 6/Lesson 25	Multiply Using Arrays
Unit 6/Lesson 26	Multiply by 0
Unit 6/Lesson 27	Multiply by 1
Unit 6/Lesson 28	Multiply by 2
Unit 6/Lesson 29	Multiply by 5
Unit 6/Lesson 30	Multiply by 10
Unit 7/Lesson 31	Divide Using Equal Sharing
Unit 7/Lesson 32	Divide Using Repeated Subtraction
Unit 7/Lesson 33	Multiplication and Division Fact Families
Unit 7/Lesson 34	Divide by 1
Unit 7/Lesson 35	Divide by 2
Unit 7/Lesson 36	Divide by 5
Unit 7/Lesson 37	Divide by 10

Math Skills Taught—Detail

Abstract Concepts – Level One

Learning Objective
Match
Sort
Circle, Square, Triangle, Rectangle
First, Middle, Last
Over, Under, Above, Below
Logical Reasoning
Inside, Outside, Between
Act Out Addition
Big and Little
Tall and Short
Heavy and Light
Before and After
First, Next, Last
Tell Time
Size Remediation
Order Size
Star, Semicircle, Octagon, Oval, Diamond
Pattern AB
World Shapes
Pattern ABC
Equal-part Fractions
Act Out Subtraction
Halves
Coin Identification
Coin Value

Abstract Concepts

Math Skills Taught—Detail

Abstract Concepts – Level Two

Learning Objective
Label Patterns
Above, Below, Next to, On
Circle, Square, Triangle, Rectangle
Star, Semicircle, Octagon, Oval, Diamond
Congruence
Symmetry
Equal-part Fractions
Logic Game (Sorting)
Tally Marks
Graphs
Space Shapes
Count Nickels and Pennies or Dimes and Pennies
Quarters
Count Quarters, Dimes, Nickels, and Pennies
Equivalent Sums of Money
Probability
Logic Game (Probability)
Compare Minutes to Hours
Order Numbers on a Clock
Tell Time to the Hour
Tell Time to the Half Hour
Sequence Events
Sequence Times
Venn Diagrams
Nonstandard Units of Length
Measurement Tools
Standard Units of Length
Weight
Capacity (Quarts, Pints)
Capacity (Liters)

Abstract Concepts

Math Skills Taught—Detail

Capacity (Quarts, Pints)
Logic Game (Addition)
Calculator Addition
Calculator Subtraction
Logic Game (Number Patterns)

Abstract Concepts – Level Three

Learning Objective
Similar Figures
Fractions of Regions
Fractions of Groups
Count Coins
Count Bills and Coins
Make Change
Nonstandard Units of Length
Standard Units of Length
Perimeter
Picture Graphs
Extend Patterns
Tell Time to Five Minutes
Tell Time to Quarter Hour
Tell Time to the Minute
Bar Graphs
Calculator

Abstract Concepts