



Math Skills Taught | Overview

	Level One*	Level Two*	Level Three*
Numbers and Operations <i>Teaches number recognition, place value, counting, and arithmetic computation.</i>	<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"> 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"> 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)
Geometry and Algebraic Thinking <i>Teaches properties of shapes, positioning, and patterns.</i>	<ul style="list-style-type: none"> Shapes and positioning Match and sort Patterns 	<ul style="list-style-type: none"> Congruence Symmetry Label patterns 	<ul style="list-style-type: none"> Similar figures Perimeter Extend patterns
Measurement, Time, and Money <i>Develops a foundational understanding of measurement, time, and money.</i>	<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"> 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"> Compare measurements using standard and nonstandard units Tell time to the minute
Data Analysis and Problem Solving Strategies <i>Prepares students to analyze data. Teaches problem solving strategies through modeling and practice.</i>	<ul style="list-style-type: none"> Logical reasoning Act out addition and subtraction 	<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 	<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 | Number Sense

Level One

Unit	Lesson	Learning Objective
1	1	Explain Numbers
	2	Number 1
	3	Number 2
	4	Number 3
	5	Number 4
	6	Number 5
	7	Review Numbers 1–5
	8	Order Numbers 1–5
	9	Make and Count Groups 1–5
	10	Sums to 5
2	11	Number 0; Add to 4
	12	Number 6
	13	Number 7
	14	More Than, Fewer Than
	15	Number 8; Add to 5
	16	Number 9
	17	Number 10
	18	Order Numbers 6–10
	19	Count on by 1
	20	Make and Count Groups 6–10

Unit	Lesson	Learning Objective
3	21	Explain Numbers
	22	Number 1
	23	Number 2
	24	Number 3
	25	Number 4
	26	Number 5
	27	Review Numbers 1–5
	28	Order Numbers 1–5
	29	Make and Count Groups 1–5
	30	Sums to 5
4	31	Number 0; Add to 4
	32	Number 6
	33	Number 7
	34	More Than, Fewer Than
	35	Number 8; Add to 5
	36	Number 9
	37	Number 10



Math Skills Taught | Number Sense

Level Two

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

Unit	Lesson	Learning Objective	
3	25	Subtraction Patterns	
	26	Subtract 0 from 0–5	
	27	Addition and Subtraction Relationship	
4	28	Addition Strategy (Doubles, Sums to 10)	
	29	Addition Strategy (Doubles plus 1, Sums to 10)	
	30	Subtraction Strategy (Doubles, Minuends to 10)	
	31	Addition and Subtraction Fact Families	
	32	Number Recognition 20–29; Number Chart 0–29	
	33	Number Recognition 30–39; Number Chart 0–39	
	34	Add 0 and 6–10	
	35	Add 1 and 6–10	
	36	Add 2 and 6–10	
	37	Add 3 and 6–10	
	38	Number Recognition 40–49; Number Chart 0–49	
	39	Add 4 and 6–10	
	40	Make 10	
	41	Add 5 and 6–10	
	5	42	Number Recognition 50–59; Number Chart 0–59
		43	Number Recognition 60–69; Number Chart 0–69
		44	Subtract 0 from 6–10



Math Skills Taught | Number Sense

Level Two

Unit	Lesson	Learning Objective
5	45	Subtract 1 from 7–11
	46	Subtract 2 from 8–12
	47	Number Recognition 70–79; Number Chart 0–79
	48	Subtract 3 from 9–13
	49	Subtract 4 from 10–14
	50	Subtract 5 from 11–15
6	51	Skip Count by 10; Skip Count by 5; Skip Count by 2
	52	Add 6 and 6–10
	53	Add 7 and 6–10
	54	Add 8 and 6–10
	55	Add 9 and 6–10
	56	Number Recognition 80–89; Number Chart 0–89
	57	Number Recognition 90–99; Number Chart 0–99
	58	Add 10 and 6–10
	59	Subtract 6 from 6–16
	60	Subtract 7 from 7–17
	61	Subtract 8 from 8–18
	62	Subtract 9 from 9–19
	63	Subtract 10 from 10–20

Unit	Lesson	Learning Objective
7	64	Addition Strategy (Doubles, Sums to 20)
	65	Addition Strategy (Doubles plus 1, Sums to 20)
	66	Subtraction Strategy (Doubles, Minuends to 20)
	67	Addition and Subtraction Fact Families to 20
	68	Missing Addends
	69	Missing Minuends and Subtrahends
	70	Greater Than, Less Than (1-digit Numbers)
	71	Greater Than, Less Than (2-digit Numbers)
	72	Add Three 1-digit Numbers
	73	Expanded Notation
	74	Add Tens
	75	Subtract Tens



Math Skills Taught | Number Sense

Level Three

Unit	Lesson	Learning Objective
1	1	Skip Counting
	2	Sequences of 2-digit Numbers
	3	Place Value of 2-digit Numbers
	4	Patterns of 2-digit Numbers
	5	Greater Than, Less Than (2-digit Numbers)
2	6	Round to Tens
	7	Add 2-digit Numbers without Regrouping
	8	Add with Regrouping
	9	Add 2-digit and 1-digit Numbers with Regrouping
	10	Add 2-digit Numbers with Regrouping
	11	Add 3 Two-digit Numbers with Regrouping
3	12	Subtract 2-digit Numbers without Regrouping
	13	Subtract with Regrouping
	14	2-digit Minus 1-digit Numbers with Regrouping
	15	Subtract 2-digit Numbers with Regrouping
4	16	Sequences of 3-digit Numbers
	17	Place Value of 3-digit Numbers
	18	Patterns of 3-digit Numbers
	19	Greater Than, Less Than (3-digit Numbers)

Unit	Lesson	Learning Objective
5	20	Add 3-digit Numbers without Regrouping
	21	Add 3-digit Numbers with Regrouping
	22	Subtract 3-digit Numbers without Regrouping
	23	Subtract 3-digit Numbers with Regrouping
	6	24
25		Multiply Using Arrays
26		Multiply by 0
27		Multiply by 1
28		Multiply by 2
29		Multiply by 5
7	30	Multiply by 10
	31	Divide Using Equal Sharing
	32	Divide Using Repeated Subtraction
	33	Multiplication and Division Fact Families
	34	Divide by 1
	35	Divide by 2
	36	Divide by 5
	37	Divide by 10



Math Skills Taught | Abstract Concepts

Level One

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

Level Two

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



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