Contents

Getting Started: Numbers to 10

1.	Build & Explore: Introduction to Digi-Block	2	
	Become familiar with the properties of Digi-Block		
	 Learn how to pack a block-of-10 		
2.	Start with One and Count for Fun (1-10)	7	
	• Introduce the numbers 1-10		
	 Place blocks in holders 		
	 Count blocks in holders 		
3.	Making Columns	21	
	Place blocks in a pattern		
	• Count sets (1-10)		
	• Trace written numbers (1-10)		
4.	Matching Single Blocks to Digits (1-9)	25	
	 Introduce one-to-one correspondence 		
	• Count blocks		
	 Match numbers with corresponding digits 		
5.	Matching Objects to Digits (1-9)	29	
	Reinforce one-to-one correspondence		
	• Count blocks		
	 Match numbers with corresponding digits 		
6.	Matching Objects and Blocks to Digits	33	
	Reinforce one-to-one correspondence		
	• Count blocks		
	 Match numbers with corresponding digits 		
7.	Building Small Towers	37	
	 Count out (make a set of) a specific number of blocks 		
8.	Introduction to the Ten-Frame	41	
	 Recognize Ten-Frame organization of objects 		
	Observe and explain a pattern		
	• Observe that a different formation of a set of blocks does not change its quantity		
9.	Practice Writing Numbers	53	
	• Practice writing numbers (1-10)		
10	O. Place, Count and Write	57	
	• Practice writing numbers (1-10)		
	• Count (1-10)		
	Place blocks		
11	. Introduction to the Number Line	68	
	 Introduce the number line as a way to count a set of blocks 		
	• Recognize digits (0-9)		
	 Make a set on the number line for a given number 		
12	2. Countdown to Zero - Take Away One More!	70	
	• Introduce the concept of zero		
	• Count down by ones		
13	B. Placing Blocks in a Ten-Frame	71	
	Recognize spoken numbers		
	Make a set of blocks from a spoken number		
	Arrange blocks in a Ten-Frame	73	
14. Find the Missing Number			
	• Practice writing numbers (1-10)		
	• Counting (1-10)		
	• Identify missing numbers in a sequence		

15.	 Counting a Collection of Objects (1-9) Place blocks with one-to-one correspondence Count (1-9) 	77
	Write digits	
16.	Filling in Ten-Frames	84
	Make a set of blocks for a given number (0-10)	
	Review correct ten-frame organization	
	• Put the numbers 0-10 (and visual models of each) in order	
17.	Coloring Objects in a Set (1-9)	92
	Identify numbers	
	 Make corresponding set of objects 	
18.	Coloring Blocks in Holders (1-10)	96
	• Identify numbers (1-10)	
	 Make a corresponding set of objects 	
	• Fill in outlines to represent the set	
19.	Matching Blocks in Holders to Numbers (1-10)	99
	 Match quantities of blocks with written numbers 	
20.	Connect the Dots (1-10)	102
	 Recognize and connect written numbers 1-10 in order 	
21.	Drawing Blocks in a Ten-Frame Formation	107
	 Make a set of blocks for a given number (0-10) 	
	 Arrange blocks in the ten-frame formation without using a ten-frame guide 	
	 Draw a set of organized blocks 	
22.	Ten-Frame Block Bingo	111
	• Recognize spoken numbers (1-10)	
	• Count sets of blocks (1-10)	
23.	Small Shape Puzzles	115
	• Fill shape with blocks	
	• Count	
	• Write numbers (5-10)	
24.	Drawing Sets of Blocks (1-9)	120
	• Number recognition (1-9)	
	Make sets of specific numbers of blocks	
o =	Represent sets through drawing objects	100
25.	Dots on Number Cubes	123
	• Copy a pattern	
	• Count dots	
0.0	Make a corresponding set of blocks D. 1. N. 1. D.	105
26.	Early Number Bingo	125
07	• Recognize numbers (1-9)	100
27.	Count and Match	128
	Use number line to count blocks Pair force and the digital	
	Reinforce writing the digits Poinforce digit recognition	
00	Reinforce digit recognition Ondering Small Nambors	120
20.	Ordering Small Numbers • Order numbers	132
	• From a given number, make a set	
20		135
<i>2</i> 9.	Introduction to Estimation	133
	 Estimate the number of blocks needed to fill a space Fill a space with blocks 	
	Count a set of blocks	
30	Picture Pieces	139
50.	• Sort/categorize pictures	109
	• Count blocks	
	Write numbers	
31.	Word Bingo (1-9)	147
	• Recognize written names of numbers (1-9)	
	·	

Chapter 1: Numbers to 20

1.	Start with One and Count for Fun (11-20)	150
	 Introduce the numbers 11-20 Familiarize students with the word names, numbers and sequence of numbers 1-20 	
2	Make it the Same	162
4.	• Count (1-20)	102
	Fill holders with blocks to match drawings	
	• Trace numbers (1-20)	
3.	Counting Blocks on a Number Line	166
	Place blocks with one-to-one correspondence	
	Count a set of blocks on a number line	
	Use a number line to determine a quantity	
	Use a number line to count	
4.	Blockimals	170
	 Place blocks with one-to-one correspondence 	
	• Count (10-20)	
	• Write numbers (10-20)	
5.	Teen Bingo	174
	• Recognize numbers (1-20)	
	• Recognize patterns (four in a row)	
6.	Classify and Count Shapes	178
	Recognize basic geometric shapes	
	 Sort objects by one attribute 	
	 Place blocks with one-to-one correspondence 	
	• Count blocks	
	• Write numbers	
7.	Shape Puzzles	183
	Fill shape puzzles with blocks	
	• Count	
_	• Write numbers	40-
8.	Connect the Dots (1 - 20)	187
	Recognize written numbers in order	
9.	Bar Graphs	190
	Use classroom data to make simple bar graphs	
	Collect and organize data	
	Make a set of blocks of a given number	
1.0	Arrange blocks to model a graph	104
10	Introduction to Inequality Signs	194
	Compare two numbers Lieu in a small the single state.	
	• Use inequality signs	202
11	. Comparing Numbers and Sets with Inequality Signs	202
	Make a set for a given number	
	• Compare two numbers	
10	• Use inequality signs	208
0 1		
	• Introduce the basic operation of addition	
	 Introduce the "+" sign as an instruction to combine sets Given a number, make the equivalent set of blocks 	
	• Count sets of blocks	
1 2	5. Combining Groups - Introduction to the Number Sentence	212
13	Combine sets of blocks	414
	 Write the number for a given set 	
	Introduction to the number sentence	
	Introduce students to the word sum	

14. Combin	ing Ten-Frames	216
•	Combine sets of blocks to find the sum using ten-frames	
•	Color in ten-frames to correspond to sets of blocks	
•	Count blocks and write correct numbers	
15. Addition	n Using Ten-Frames	221
•	Represent given numbers in a ten-frame	
•	Make a visual model of addition with ten-frames	
16. Addition	n on the Number Line	226
•	Introduce students to the number line as a means to add	
•	Review the "+" sign as an instruction to combine sets	
•	Review the word sum	
•	Write number sentences to record work	
17. Mental	Addition with Ten-Frames	230
•	visualize numbers in ten-frame formation	
•	visualize addition with ten-frames (including breaking numbers into fives)	
•	Complete basic addition problems	
18. Introduction to Subtraction		235
•	Introduce students to the basic operation of subtraction	
•	Introduce the "-" sign as an instruction to separate sets	
•	Introduce students to the word difference	
•	Learn that subtraction undoes addition	
19. Slide Off! Subtraction on the Number Line 239		239
•	Use subtraction as the whole take away a part or as the separation of a part from the whole	e
•	Use number lines to model subtraction	
•	Use number sentences to record work	
20. Direction	onal Bingo	241
•	Writing the teen numbers	
•	Introduction to directional words	
Appendix		243