

Kindergarten: *Investigations 3* Correlation with *Kathy Richardson's Resources*

Investigations Topics and Benchmarks	Instructional Activities		Assessing Math Concepts
	Teacher Directed Activities	Independent Activities	
Unit 1: Counting People, Sorting Buttons (Classroom Routines and Materials)			
<i>*There are no specific benchmarks for this unit. The following are observations of progress and become benchmarks in upcoming units.</i>			
Rote counting sequence to 10	DNC Book One: Chapter 1: Activities: 3, 6-10, 12, 14-15, 17	DNC Book One: Chapter 1: Activities: 21-28**keep numbers within 10**	Assessment 1: <i>Counting Objects</i>
Keeping track 1:1	DNC Book One: Chapter 1: Activities: 1-12	DNC Book One: Chapter 1: Activities: 21-25	
Makes an equivalent set	DNC Book One: Chapter 1: Activities: 4, 11,	DNC Book One: Chapter 1: Activities: 21, 29-31, 33, 36, 37	
Knows how many	DNC Book One: Chapter 1: Activities: 6, 8, 10, 13, 14, 15, 20	DNC Book One: Chapter 1: Activities: 27-31, 35-41	
Unit 2: Counting Quantities, Comparing Lengths (Counting and Measurement 1)			
Count, and count out a set of up to 10 objects	DNC Book One: Chapter 1: Activities: 3, 6-10, 12, 14-15, 17	DNC Book One: Chapter 1: Activities: 21-25 **keep numbers within 10**	Assessment 1: <i>Counting Objects</i>
Describe length and decide which of two objects is longer		DNC Book One: Chapter 1: Activity 15	Assessment 2: <i>Changing Numbers</i>
Compare two quantities up to 10 to determine which is greater	DNC Book One: Chapter 3: Activities: 1-8 **keep numbers within 10**	DNC Book One: Chapter 3: Activities: 13-22 **keep numbers within 10**	
Understand words that describe relative position			

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Unit 3: Make a Shape, Fill a Hexagon (2D Geometry)			
Identify and describe the overall size, shape and features of familiar 2D shapes	<u>Understanding Geometry</u> Creating Shapes on the Geoboard Page 50 <u>Understanding Geometry</u> Filling Spaces Pages 58-66 <u>Understanding Geometry</u> Creating and Sorting Shapes Pages 48-57 Describing Shapes and Figures Pages 41-42		
Make 2D shapes			
Combine shapes to make 2D shapes			
Understand words that describe relative position			
Unit 4: Collect, Count and Measure (Counting and Measurement 2)			
Count, and count out, a set of up to 15 objects	DNC Book One: Chapter 1: Activities: 1-20	DNC Book One: Chapter 1: Activities: 21-25 **keep numbers to 15**	Assessment 1: <i>Counting Objects</i>
Figure out what is one more or one less than a number	DNC Book One: Chapter 1: Activities: 16-19	DNC Book One: Chapter 1: Activities: 27, 35	
Understand words that describe relative position			

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Unit 5: Build a Block, Build a Wall (3D Geometry)			
Understand words that determine relative position	<u>Understanding Geometry</u> Counting and Sorting Shapes Pages 48-57 Analyzing Solids: Using Boxes Pages 67-82 Analyzing Solids: Using Blocks Pages 83-93		
Identify and describe the overall size, shape and features of a familiar 3D shape			
Make 3D shapes			
Combine shapes to make 3-D shapes			
Unit 6: How Many Now? (Addition, Subtraction and the Number System 1)			
Count and count out a set of up to 20 objects	DNC Book One: Chapter 1: Activities: 1-20	DNC Book One: Chapter 1: Activities: 21-25	Assessment 1: <i>Counting Objects</i>
Write the numbers to 10	DNC Book One: Chapter 1: Activities: 4, 11, 17, 18, 19	DNC Book One: Chapter 1: Activities: 21, 29, 30-39	Assessment 4: <i>Number Arrangements</i>
Represent and solve addition problems within 10	DNC Book Two: Chapter 1: Activities: 1-5, 9-11	DNC Book Two: Chapter 1: Activities: 12-17	Assessment 5: <i>Combination Trains</i>
Decompose a number into two addends in more than one way	DNC Book Two: Chapter 2 Activities: 2-6, 8-13 help children find 2-addend combinations of 10 DNC Book Two: Chapter 3 Activities: 1, 2, 3, 4, 5, 8-12 help children find 2-addend combinations of 10	DNC Book Two, Chapter 2 Activities: 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27 help children find combinations of 10 when 10 is used as the "number of the day" DNC Book Two: Chapter 3 Activities: 13, 15, 17, 18, 23, 25 help children find 2-addend combinations of 10	Assessment 6: <i>Hiding</i>
Rote count by 1s and 10s to 100; when counting by 1s start at a number other than 1	DNC Book Three: Chapter 1 Activities: 10-12 DNC Book Three: Chapter 1 Activities: 24-30 Give children experiences in building and writing numbers up to 100	DNC Book Three: Chapter 1 Activities: 32-44 Give children experiences in building and writing numbers up to 100	

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Unit 7: How Many Noses? How Many Eyes? (Modeling with Data)			
Sort a set of objects by a given attribute and order the groups based on the number in each group			
Using data to represent and solve a real-world problem		DNC Book One: Chapter 1: Activities: 38-41 DNC Book One: Chapter 3: Activity: 5	
Unit 8: How Many Now? (Addition, Subtraction and the Number System 2)			
Represent and solve subtraction story problems within 10, with result unknown	DNC Book Two: Chapter 1: Activities: 1-8	DNC Book Two: Chapter 1: Activities: 12-14	Assessment 1: <i>Counting Objects</i>
Rote count by 1s and 10s to 100;when counting by 1s start at a number other than 1	DNC Book One: Chapter 1: Activities: 21, 25-27		Assessment 2: <i>Changing Numbers</i>
Add and subtract fluently within 5	DNC Book Two: Chapter 3: Activities: 1-12 **keep numbers to 5**	DNC Book Two: Chapter 3: Activities: 14-27 **keep numbers to 5**	Assessment 6 : <i>Hiding (within 5)</i>
Figure out a missing addend when the sum is ten	DNC Book Two: Chapter 2: Activities: 1,2,5,6	DNC Book Two: Chapter 3: Activities: 13, 15, 23, 25,26	
Write the numbers to 20	DNC Book One: Chapter 1: Activities: 4, 11, 17, 18 ,19	DNC Book One: Chapter 1: Activities: 21, 29, 30-39	
Represent the teen numbers as ten 1s and some number of 1s		DNC Book One: Chapter 1: Activities: 26, 37 DNC Book One: Chapter 3: Activities: 35, 37	

Kathy Richardson Resources available at www.didax.com

Developing Number Concepts

9-00584	Book 1: Counting, Comparing, and Pattern
9-00592	Book 2: Addition and Subtraction
9-00606	Book 3: Place Value, Multiplication, and Division
9-59244	Planning Guide

Assessing Math Concepts

2-108	Counting Objects
2-181	Changing Numbers
2-182	More/Less Trains
2-183	Number Arrangements
2-184	Combination Trains
2-185	Hiding Assessment
2-186	Ten Frames
2-187	Grouping Tens
2-188	Two Digit Addition/Subtraction
2-1800	Complete Set

Understanding Geometry, 2-141

Understanding Numbers

2-191	Place Value
2-193	Addition and Subtraction
2-192	Understanding Decimals
2-1059	Set of 3 Books