

First Grade: *Investigations 3* Correlation with *Kathy Richardson's Resources*

Investigations Topics and Benchmarks	Instructional Activities		Assessing Math Concepts
	Teacher Directed Activities	Independent Activities	
Unit 1: Building Numbers, Solving Story Problems (Addition, Subtraction and the Number System 1)			
Understand that you can count on/ back to add/ subtract 1 or 2	DNC Book Two: Chapter 1: Activities: 1-8 **be sure to limit to +1 or +2**	DNC Book Two: Chapter 1: Activities: 12-15 **be sure to limit to +1 or +2**	Assessment 1: <i>Counting Objects</i> Assessment 2: <i>Changing Numbers</i>
Fluency with the +1 +2 -1 -2 Facts	DNC Book Two: Chapter 1: Activities: 1-8 **be sure to limit to +1 or +2**	DNC Book Two: Chapter 1: Activities: 12-15 **be sure to limit to +1 or +2**	
Determine which of two pairs of numbers to 10 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**	
Solve a take from story problem with result unknown	DNC Book Two: Chapter 1: Activities: 1-10	DNC Book Two: Chapter 1: Activities: 12-17	
Solve an add to story problem with result unknown	DNC Book Two: Chapter 1: Activities: 1-10	DNC Book Two: Chapter 1: Activities: 12-17	
Solve a put together story problem with total unknown	DNC Book Two: Chapter 1: Activities: 1-10	DNC Book Two: Chapter 1: Activities: 12-17	
Unit 2: Comparing and Combining Shapes (2D Geometry)			
Compare and decompose shapes in different ways	<u>Understanding Geometry</u> Creating Shapes on the Geoboard Page 50 <u>Understanding Geometry</u> Creating and Sorting Shapes Pages 48-57 Describing Shapes and Figures Pages 41-42 <u>Understanding Geometry</u> Filling Spaces Pages 58-66		
Build and draw familiar 2D shapes			
Use geometric language to describe and identify important attributes, and use those attributes to sort familiar 2D shapes			
Compare and decompose shapes in different ways			

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Unit 3: How Many of Each? How Many in All? (Addition, Subtraction and the Number System 2)			
Understand that you can count on/ back to add/ subtract		DNC Book Two: Chapter 2: Activities: 20, 25, 27 DNC Book Two: Chapter 3: Activities: 14, 15, 18, 20, 21, 22, 24, 26, 27, 28, 35, 37	Assessment 1: <i>Counting Objects</i> Assessment 3: <i>More of Less Trains</i>
Understand ten ones as one ten, and the teen numbers as one ten and some number of ones		DNC Book One: Chapter 1: Activities: 26, 37 DNC Book One: Chapter 3: Activities: 35, 37	Assessment 4: <i>Number Arrangements</i> Assessment 6: <i>Hiding</i>
Find at least 5 solutions to put together/ take apart problem with both addends unknown		DNC Book Two: Chapter 1: Activities: 11 DNC Book Two: Chapter 2: Activities: 18	Assessment 7: <i>Tens Frames</i>
Solve story problems with three addends			
Rote count, read, and write numbers to 120	Book One: Chapter 1: Activities: 3, 6-10, 12, 14-15, 17	DNC Book One: Chapter 1: Activities: 21-28	
Represent numbers with equivalent expressions			
Unit 4: Fish Lengths and Fraction Rugs (Measurement and Fractions)			
Compare the lengths of two objects indirectly by using a third length		DNC Book Three: Chapter 1: Activities: 34, 38, 39	
Demonstrate accurate measuring techniques when measuring an object or distance with multiple units		DNC Book One: Chapter 1: Activities: 36	
Tell time to the hour			
Understand that halves or fourths apply to wholes divided into two or four equal parts; partition circles and rectangles into two or four equal parts			
Solve comparison story problems with the difference unknown		DNC Book Three: Chapter 1: Activities: 34, 38, 39	

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Unit 5: Number Games and Crayon Problems (Addition, Subtraction and the Number System 3)			
Fluency with addition and subtraction within 10	DNC Book Two: Chapter 3: Activities: 1-12	DNC Book Two: Chapter 3: Activities: 14-27	Assessment 6: <i>Hiding</i>
Solve a put together/ take apart problem with one addend unknown		DNC Book Two: Chapter 1: Activities: 11 DNC Book Two: Chapter 2: Activities: 18	Assessment 7: <i>Tens Frames</i>
Understand the meaning of the equal sign			
Determine the unknown in an addition or subtraction equation relating 3 numbers			
Solve add to and take from problems with unknown change	DNC Book Two: Chapter 1: Activities: 11		
Unit 6: Would You Rather Be An Eagle or A Whale? (Modeling with Data)			
Represent and describe a set of data with two or three categories		DNC Book One: Chapter 1: Activities: 38-41 DNC Book One: Chapter 3: Activities: 5	
Solve comparison story problems with a bigger or smaller unknown	DNC Book Two: Chapter 1: Activities: 11		

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Unit 7: How Many Tens? How Many Ones? (Addition, Subtraction and the Number System 4)			
Understand that the multiples of 10 through 90 refer to 1-9 tens and 0 ones	DNC Book Three: Chapter 1 Activities: 9	DNC Book Three: Chapter 1 Activities: 10, 11	Assessment 7: <i>Tens Frames</i>
Represent a number of objects with a numeral and , given a number, represent it with objects		DNC Book Two: Chapter 3: Activities: 34, 36	
Subtract multiples of 10 from multiples of 10 using concrete models that represent tens and ones		DNC Book Two: Chapter 3: Activities: 35, 37	
Use standard notation (<, >) to represent the comparison of two 2-digit numbers		DNC Book One: Chapter 3: Activities: 13-20	
Add or subtract 10 to/ from any 2-digit number		DNC Book Three: Chapter 1: Activities: 12, 20, 21, 22, 48, 51	
Unit 8: Blocks and Buildings (3D Geometry)			
Use geometric language to describe and identify defining attributes of familiar 3D shapes	<u>Understanding Geometry</u> Creating Shapes on the Geoboard Page 50 Creating and Sorting Shapes Pages 48-57 Describing Shapes and Figures Pages 41-42 Filling Spaces Pages 58-66		
Compose 3D shapes			
Match a 2D representation of a 3D shape to the outline of one of its faces			
Tell time to the half hour			

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