

Second 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: Coins, Number Strings and Story Problems (Addition, Subtraction and the Number System 1)			
Recognize and identify coins and their values	<u>Understanding Numbers</u> Place Value Activity 5		
Use known combinations to add several numbers in any order	DNC Book Two: Chapter 3 Activities: 1-4	DNC Book Two: Chapter 3 Activities: 17-18	Assessment 5: <i>Combination Trains</i>
Solve a comparison story problem with the difference unknown		DNC Book Three: Chapter 1 Activities: 32-36	Assessment 6: <i>Hiding Assessment</i>
Solve put together/ take apart story problems with the total unknown, and add to and take from story problems with the result unknown	DNC Book Two: Chapter 2 Activities: 11		Assessment 7: <i>Ten Frames</i>
Unit 2: Attributes of Shapes and Parts of Wholes (Geometry and Fractions)			
Identify defining attributes of 2D and 3D shapes and draw shapes with those attributes (number and shape of faces, number and length of sides, number of angles and vertices)	<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		
Make a rectangle out of same size squares and specify the number of rows and the number of columns in each row	DNC Book Three Chapter 2 Activities: 4,5,8	DNC Book Three Chapter 2 Activities: 13, 15, 23	
Recognize that halves, thirds, fourths of the same whole can look different			
Partition 2D shapes into halves, thirds and fourths and name the regions			

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Unit 3: How Many Stickers? How Many Cents? (Addition, Subtraction and the Number System 2)			
Solve a put together/ take apart story problem with both addends unknown; find all the possible combinations	DNC Book Three: Chapter 1 Activities 45-47	DNC Book Two: Chapter 2 Activities: 20, 21,23,24 DNC Book Two: Chapter 3 Activities: 20,22,25,26 DNC Book Three: Chapter 1 Activities 49,51	Assessment 5: <i>Hiding</i> Assessment 8: <i>Grouping Tens</i>
Solve a put together/ take apart story problem with one addend unknown			
Solve two-step story problems with one addend unknown			
Solve two-step story problems about money			
Understand that 100 can be seen as 1 hundred, as 10 tens, and as 100 ones	<u>Understanding Numbers</u> Place Value Activities 1, 2, 3, 4		
Understand that multiples of 100 are made up of a number of hundreds	<u>Understanding Numbers</u> Place Value Activities 1, 2, 3, 4		
Solve story problems with unknown change	DNC Book Two: Chapter 1 Activities: 5, 9, 11 DNC Book Two: Chapter 3 Activity: 6	DNC Book Two: Chapter 1 Activities: 12, 16, 17 DNC Book Two: Chapter 3 Activity: 20	
Solve story problems with an unknown start		DNC Book Three: Chapter 1 Activity: 59	
<i>Upcoming Benchmark</i> : Fluency with addition and subtraction within 20	DNC Book Two: Chapter 2: Activities 1-7 DNC Book Two: Chapter 3: Activities 5, 28-29 DNC Book Three: Chapter 1: Activity 47	DNC Book Two: Chapter 2: Activities 14-27 DNC Book Two: Chapter 3: Activities 17, 18, 22, 24, 26, 33, 35, 37	
Unit 4: Pockets, Teeth and Guess My Rule (Modeling with Data)			
Organize a set of data with up to four categories			
Create, describe, and interpret a variety of data representations including picture graphs and bar graphs Order, represent, and describe a set of numerical data			

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Unit 5: How Many Tens? How Many Hundreds? (Addition, Subtraction and the Number System 3)			
Solve a two-step story problem that involves finding the difference between a 2-digit number and 100	<u>Understanding Numbers</u> Addition/Subtraction Activities 3, 4, 7, 8		Assessment 8: <i>Grouping Tens</i>
Understand that 3-digit numbers represent amounts of hundreds, tens and ones	<u>Understanding Numbers</u> Place Value Activities 1, 2, 3, 4	DNC Book Three: Chapter One Activities: 34, 35, 36, 38 (Use 100,10,1 sheet)	
Read, write, count and compare numbers to 1000	<u>Understanding Numbers</u> Place Value Activities 1, 2, 3, 4____		
Add/ subtract 10 or 100 to/from numbers within 1000	DNC Book Two: Chapter 3 Activities: 30, 31 <u>Understanding Numbers</u> Addition/Subtraction Activities 3, 4, 7, 8		
Add fluently within 100	DNC Book Two: Chapter 1 Activity: 45	DNC Book Three: Chapter 1 Activities: 48, 50-58	
Solve comparison story problems with a bigger unknown		DNC Book Three: Chapter 1 Activity: 59	
Count by 5s, 10s, and 100s within 1000	DNC Book Three: Chapter 1 Activity: 2		
Unit 6: How Far Can You Jump? (Linear Measurement)			
Recognize that , when measuring the same length, larger units yield smaller counts		DNC Book Three: Chapter 1 Activities: 38-41	
Estimate and measure the length in inches, feet, centimeters, and meters			
Represent measurement data on a line plot			
Solve comparison problems and other story problems about length	<u>Understanding Numbers</u> Place Value Activity 6	DNC Book Three: Chapter 1 Activities: 38-41	

Investigations Topics and Benchmarks	Developing Number Concepts Supporting Activities		Assessing Math Concepts
	Teacher Directed Activities	Independent Activities	
Unit 7: Partners, Teams and Other Groups (Foundations of Multiplication)			
Define even and odd numbers in terms of numbers that can/ cannot be organized into groups of two or two equal groups	DNC Book Three: Chapter 3 Activity: 4		
Write an equation to express an even number as a sum of two equal addends	DNC Book Two: Chapter 3 Activity: 36		
Solve problems that involve equal groups	DNC Book Three: Chapter 2 Activities: 2-3*	DNC Book Three: Chapter 2 Activities: 11-12*	
Write an addition equation to express the total of number of objects in a rectangular array	DNC Book Three: Chapter 2 Activities: 4-5*	DNC Book Three: Chapter 2 Activities: 13-14 * *(Modify activities to use repeated addition)	
Unit 8: Enough for the Class? Enough for the Grade? (Addition, Subtraction and the Number System 4)			
Solve a comparison story problem with a smaller unknown	DNC Book Two: Chapter 2 Activity: 11	DNC Book Three: Chapter 1 Activity: 59	Assessment 9: <i>Two-Digit Addition and Subtraction</i>
Name, notate and tell time to the nearest 5 minutes using analog and digital formats and associate am and pm with time of day			
Fluently subtract two 2-digit numbers	DNC Book Three: Chapter 1 Activity: 45	DNC Book Three: Chapter 1 Activities: 49, 51	
Fluently add and subtract within 20	DNC Book Two: Chapter 3 Activities: 5, 28, 29	DNC Book Two: Chapter 3 Activities: 17-18, 22, 24, 26, 33, 35, 37	
Represent and solve addition and subtraction problems with 3-digit numbers	<u>Understanding Numbers:</u> Addition/Subtraction Activities 1-8		

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