Days	Chapter Title	Big Idea	<b>Lesson Titles</b>	Objective	Standards	Vocabulary
7	Start Smart	Students will review kindergarten and first grade concepts.	Start Smart 1 – 6.	Review concepts and administer diagnostic assessments.	N/A	N/A
4	Chapter 1	Students make sense and persevere in	1-3 Problem Solving Strategy: Use Logical Reasoning	Use the <i>logical reasoning</i> strategy to solve problems.	Focus on MP	after before
	Number Sense and	solving problems. They learn to look	1-9 Problem Solving Investigation: Choose a Strategy	Choose the best strategy to solve problems	Focus on MP	between digit
	Patterns (Problem Solving)	for and make use of structure within a hundreds chart.	1-10 Patterns on a Hundred Chart	Create and use patterns on a hundred chart to solve problems	2.OA.1, 2.OA.2, 2.NBT.2*	estimate, is equal to (=) is greater than (>) is less than (<) ones
						place value tens

12	Chapter 2	Students examine	2-1 Addition Properties	Use the commutative property and	2.OA.1, 2.OA.2,	add
		addition strategies		the zero property to find sums	2.NBT.5,	addend
	Addition	and build fluency for			2.NBT.9	sum
	Strategies	basic addition	2-2 Count and Add On	Use a number line to count on when	2.OA.1, 2.OA.2	doubles
		number facts to 20.		adding		place value
			2-3 Problem Solving Strategy:	Use the act it out strategy to solve	Focus on MP	commutative
			Act it Out	problems		property
			2-4 Doubles	Use doubles facts to solve other	2.OA.1, 2.OA.2	associative
				problems		property
			2-5 Near Doubles	Use doubles facts to find other	2.OA.1, 2.OA.2	identity property
				sums		
			2-6 Make 10	Make 10 to solve addition problems	2.OA.1, 2.OA.2	
			2-7 Add Three Numbers	Group addends differently to make	2.OA.1, 2.OA.2	
				the same sum		
			2-8 Problem Solving	Choose the best strategy to solve	Focus on MP	
			Investigation: Choose a Strategy	problems		

12	Chapter 3	Students build on their	3-1 Count Back to Subtract	Count back to find a difference	2.OA.1, 2.OA.2	count back
12	Chapter 3	understanding of	3-2 Subtract All and Subtract	Subtract all or none to find a	2.OA.1, 2.OA.2	difference
	Subtraction	whole number	Zero	difference	2.071.1, 2.071.2	fact family
	Strategies	operations as they	3-3 Use Doubles to Subtract	Use doubles facts to find the	2.OA.1, 2.OA.2	inverse
	2	learn subtraction		difference	, , , , , , , , , , , , , , , , , , , ,	missing addend
		strategies and build	3-5 Relate Addition and	Subtract from numbers through 20	2.OA.1, 2.OA.2	related facts
		fluency for basic	Subtraction	using addition. Identify and write	,	subtract
		subtraction number		different ways to name the same		place value
		facts to 20.		number		commutative
			3-6 Missing Addends	Find the missing number in addition and subtraction sentences	2.OA.1, 2.OA.2	property associative
			3-7 Fact Families	Identify and write fact families	2.OA.1, 2.OA.2, 2.NBT.9	property identity property
			3-8 Problem Solving	Choose the best strategy to solve	Focus on MP	reality property
			Investigation: Choose a Strategy	problems	1 ocus on wii	
			CCSS 1 Two-Step Word	Use two steps to solve a problem.	2OA.1	
			Problems	processing and a processing	201111	
		•			•	
11	Chapter 4	Students will learn basic concepts about	4-1 Take a Survey	Use tally marks in a survey. Use and compare data	2.MD.10	<b>bar graph</b> data
	Data and	data and graphs	4.2 Pi	-	0.1 (D. 10)	key
	Graphs	including: taking	4-2 Picture Graphs	Make, read, and use data in a picture graph	2.MD.10	mode
		surveys, creating				picture graph
		picture and bar	4-3 Problem Solving Strategy:	Use the write a number sentence	Focus on MP	pictograph
		graphs, making line plots, and examining representations of data.	Write a Number Sentence	strategy to solve problems		range
			4-4 Bar Graphs	Make, read, and use data in a bar graph	2.MD.10	survey symbol tally marks length unit line plot scale
			4-5 Different Ways to Show Data	Show the same data in more than one way	2.MD.10	
			CCSS 2 Make Line Plots	Use data to create line plots.	2.MD.9	
			CCSS 3 Analyze Line Plots	Analyze the data contained in line plots.	2.MD.9	
			4-7 Problem Solving Investigation: Choose a Strategy	Choose the best strategy to solve problems	Focus on MP	

12	Chapter 5	Students will gain an	5-3 Problem Solving Strategy:	Use the work backward strategy to	Focus on MP	regroup
		understanding of place	Work Backward	solve problems		round
	Two-Digit	value and basic	5-4 Regroup Ones as Tens	Regroup 10 ones as 1 ten	2.OA.1,	place value
	Addition	addition facts thus			2.NBT.5,	commutative
		creating a solid			2.NBT.9	property
		foundation on which	5-5 Add One-Digit Numbers and	Add one-digit numbers to two-digit	2.OA.1,	associative
		the concept of two-	Tow-Digit Numbers	numbers with and without	2.NBT.5,	property
		digit addition is built.	_	regrouping	2.NBT.9	identity property
			5-6 Add Two-Digit Numbers	Add two-digit numbers with and	2.OA.1,	compose
			_	without regrouping	2.NBT.5,	decompose
					2.NBT.9	
			5-7 Estimate Sums	Estimate the sum of two-digit	2.OA.1,	
				addends by rounding	2,NBT.5,	
					2.NBT.7.1*,	
					2.NBT.9	
			CCSS 4 Add Three and Four	Add three and four two-digit	2.NBT.6,	
			Two-Digit Numbers	numbers	2.NBT.9	
			5-9 Problem Solving	Choose the best strategy to solve	Focus on MP	
			Investigation: Choose a Strategy	problems		

12	Chapter 6	Students will gain an	6-3 Regroup Tens and Ones	Understand numbers with and	2.OA.1,	count back
		understanding of place		without regrouping	2.NBT.5,	difference
	Two-Digit	value and basic			2.NBT.9	estimate
	Subtraction	subtraction facts thus	6-4 Problem Solving Strategies:	Use the write a number sentence	Focus on MP	inverse
		creating a solid	Write a Number Sentence	strategy to solve problems		regroup
		foundation on which	6-5 Subtract One-Digit Numbers	Subtract a one-digit number from a	2.OA.1,	round
		the concept of two-	from Two-Digit Numbers	two-digit number with and without	2.NBT.5,	subtract
		digit subtraction is		regrouping	2.NBT.9	place value
		built.	6-6 Subtract Two-Digit Numbers	Subtract two-digit numbers with	2.OA.1,	commutative
				and without regrouping	2.NBT.5,	property
					2.NBT.9	associative
			6-7 Check Subtraction	Check subtraction by using addition	2.OA.1,	property
					2.NBT.5	identity property
			6-8 Problem Solving	Choose the best strategy to solve	Focus on MP	compose
			Investigation: Choose a Strategy	problems		decompose
			6-9 Estimate Differences	Estimate differences by rounding to	2.OA.1,	
				the nearest ten	2.NBT.5,	
					2.NBT.7.1*,	
					2.NBT.9	
			CCSS 5 More Two-Step Word	Read and solve two-step word	2.OA.1	
			Problems	problems		

12	Chapter 7	Students will recognize the value of	7-1 Pennies, Nickels, and Dimes	Skip count to find the value of a group of coins	2.MD.8	cents cent sign (¢)
	Money	money and skip count to find the monetary amount of coins and	7-2 Quarters and Half Dollars	Identify a quarter and half-dollar; skip count to find the value of a group of coins	2.MD.8	decimal point (.)  dimes  dollar
		dollars. They will use learned concepts in	7-3 Count Coins	Skip count to find the value of a group of coins	2.MD.8	dollar sign (\$) half dollars
		everyday life.	7-4 Problem Solving Strategy: Act it Out	Use the act it out strategy to solve problems	Focus on MP	nickels pennies
			7-5 Dollar	Identify coin combinations equal to one dollar	2.MD.8	quarters
			7-6 Dollars and Cents	Identify coin combinations greater than and equal to one dollar	2.MD.8	
			7-7 Compare Money Amounts	Compare the values of groups of money	2.MD.8	
			7-10 Problem Solving Investigation: Choose a Strategy	Choose the best strategy to solve problems	Focus on MP	
			,	,		
12	Chapter 8	Students will use arrays and patterns to	CCSS 6 Skip Count on a Hundred Chart	Use patterns to skip count.	2.OA.1, 2.OA.2, 2.NBT.2*	array divide
	Multiplicati on Concepts	learn multiplication and even/odd number concepts.	8-1 Equal Groups	Relate skip-counting to multiplication. Cont by multiples to do multiplication.	2.NBT.2*	division sentence equal groups multiplication
	and Odd/Even	-	CCSS 7 Repeated Addition	Use repeated addition to add equal groups.	2.OA.4, 2.NBT.2*	sentence multiply
	Numbers		CCSS 8 Repeated Addition with Arrays	Use arrays with repeated addition.	2.OA.4	product remainder
			8-5 Problem Solving Strategy: Draw a Picture	Use the draw a picture strategy to solve problems	Focus on MP	rectangular array
			8-9 Problem-Solving Investigation: Choose a Strategy	Chose the best strategy to solve problems	Focus on MP	addends odd
			CCSS 9 Even and Odd Numbers	Find even and odd numbers in number patterns.	2.OA.3	even
			CCSS 10 Sums of Equal Numbers	Find sums of equal numbers.	2.OA.3	

12	Chapter 10	Students learn to count by hundreds and read	10-1 Hundreds	Relate hundreds, tens, and ones. `	2.NBT.1, 2.NBT.1a,	expanded form hundreds
	Numbers to	and write number			2.NBT.1b	thousand
	1,000	symbols for hundreds.	10-2 Hundreds, Tens, and Ones	Read, write, and model numbers to	2.NBT.1,	place value
		They compare and		1,000	2.NBT.1a,	greater than (>)
		order numbers, and			2.NBT.1b,	less than (<)
		identify increasing and			2.NBT.3	equal to (=)
		decreasing patterns.	10-3 Problem Solving Strategy: Make a List	Use the make a list strategy to solve problems.	Focus on MP	
			10-4 Place Value to 1,000	Identify and use words, models,	2.NBT.1,	
				expanded form to represent	2.NBT.1a,	
				numbers to 1,000.	2.NBT.1b,	
					2.NBT.3	
			10-5 Read and Write Numbers to	Read and write numbers through	2.NBT.3	
			1,000	1,000.		
			10-6 Problem Solving	Choose the best strategy to solve	Focus on MP	
			Investigation: Choose a Strategy	problems.		
			10-7 Compare Numbers	Compare three-digit numbers using	2.NBT.4	
				<, >, and =.		
			10-8 Order Numbers	Use place value to order three-digit	2.NBT.4	
				numbers.		
			10-9 Number Patterns	Use number patterns to help you	2.NBT.2*,	
				count	2.NBT.8	

12	Chapter 11	Students will identify	11-1 Solid Shapes	Identify solid shapes.	2.G.1	attributes
		faces, edges, and	11-2 Faces, Edges, and Vertices	Describe the faces, edges, and	2.G.1	angles
	Geometry	vertices. They will	_	vertices of solid shapes.		sides
		relate plane and solid	CCSS 11 Two-Dimensional	Identify two-dimensional geometric	2.G.1	faces
		shapes and create new	Shapes	shapes.		row
		shapes. They partition	11-4 Problem Solving Strategy:	Use the find a pattern strategy to	2.G.1	column
		plane shapes into	Find a Pattern	solve problems.		equal
		halves, thirds, and	11-5 Sides and Vertices	Describe plane shapes.	2.G.1	shares
		fourths. They will use	11-6 Relate Plane Shapes to Solid	Make plane shapes from faces of	2.G.1	whole
		partitions within a	Shapes	solid shapes.		halves
		rectangle to find area.	11-7 Make New Shapes	Put shapes together to form new	2.G.1	thirds
				shapes.		fourths
			11-8 Problem Solving	Choose the best strategy to solve	Focus on MP	Plane shapes:
			Investigation: Choose a Strategy	problems.		Circles
			CCSS 12 Halves, Thirds, and	Partition two-dimensional shapes	2.G.3	Triangles
			Fourths	into two, three, or four equal shares.		squares
			CCSS 13 Area	Determine the area of rectangle.	2.G.2	Rectangles Parallelograms
						Hexagons
						Trapezoids
						Quadrilaterals
						Rhombus
						Kites
						Pentagons
						Solid Shapes:
						Sphere
						Cubes
						Pyramid
						Cone
						Cylinder
						Rectangular prism

21	Chapter 12	Students master basic	12-2 Measure to the Nearest Inch	Estimate and measure length using	2.MD.1,	centimeter
		concepts by measuring		inches.	2.MD.3, 2.MD.5	inch
	Measureme	familiar objects using	12-3 Inch, Foot, and Yard	Estimate and measure to the nearest	2.MD.1,	measure
	nt and	different standard		inch, foot, or yard.	2.MD.3, 2.MD.5	meter
	Time	units of measurement.	CCSS 14 Select and Use	Choose the appropriate tool and	2.MD.1, 2.MD.3	quarter hour
		Students will be able	Customary Tools	measure length.		yard
		to use an analog and	CCSS 15 Compare Customary	Measure to compare customary	2.MD.4, 2.MD.5	foot
		digital clock to tell	Lengths	lengths.		length
		times up to intervals of	CCSS 16 Relate Inches, Feet, and	Use measurement to relate inches,	2.MD.2	unit
		5.	Yards	feet, and yards.		number line
			12-4 Problem Solving	Use the find a pattern strategy to	Focus on MP	diagram
			Investigation: Find a Pattern	solve problems.		sums
			12-5 Measure to the Nearest	Estimate and measure length	2.MD.1,	differences
			Centimeter	using centimeters.	2.MD.3, 2.MD.5	analog clock
			12-6 Centimeter and Meter	Estimate and measure to the nearest	2.MD.1,	digital clock
				centimeter	2.MD.3, 2.MD.5	A.M. P.M.
				or meter.		line plot
			CCSS 17 Select and Use Metric	Measure objects to find the	2.MD.1, 2.MD.3	scale
			Tools	relationship between centimeters		scale
				and meters.		
			CCSS 18 Compare Metric	Use measurement to compare	2.MD.4, 2.MD.5	
			Lengths	metric lengths.		
			CCSS 19 Relate Centimeters and	Use measurement to relate	2.MD.2	
			Meters	centimeters and meters.		
			CCSS 20 Measure on a Number	Use a number line to measure.	2.MD.5, 2.MD.6	
			Line			
			CCSS 21 Measurement Data	Measure lengths to generate data.	2.MD.9	
			CCSS 22 Time to the Hour	Read and write time to the nearest	2.MD.7*	
				hour.		
1			CCSS 23 Time to the Half Hour	Recognize time to the nearest half	2.MD.7*	
				hour.		
			12-7 Time to the Quarter Hour	Tell time to the quarter hour.	2.MD.7*	
			CCSS 24 Time to Five Minute	Skip count by fives to tell time.	2.MD.7*	
1			Intervals			
			12-8 Problem solving	Choose the best strategy to solve	Focus on MP	
			Investigation: Choose a Strategy	problems.		

10	Chapter 13	Students will begin the	13-1 Add Hundreds	Use basic facts and mental math to	2.NBT.1,	digit
		three-digit addition		add	2.NBT.1a,	estimate
	Three-Digit	process to add		hundreds.	2.NBT.1b	hundreds
	Addition	hundreds such as	CCSS 25 Mentally Add 10 or 100	Add 10 or 100 mentally.	2.NBT.8,	ones
		300+200. Students		-	2.NBT.9	place value
		may have to compose	13-2 Regroup Ones	Find the sum of two three-digit	2.NBT.7,	regroup
		numbers into tens and		numbers, regrouping ones.	2.NBT.9	tens
		hundreds. Students	13-3 Regroup Tens	Add three-digit numbers with and	2.NBT.7,	commutative
		will also learn to		without regrouping.	2.NBT.9	property
		estimate	13-4 Problem-Solving Strategy:	Use the make a table strategy to	Focus on MP	associative
		sums.	Make a Table	solve a		property
				problem.		identity property
			13-5 Estimate Sums	Estimate the sum of three-digit	2.NBT.7,	compose
				addends by rounding.	2.NBT.7.1*	decompose
11	Chapter 14	Students will learn to	14-1 Subtract Hundreds	Use basic facts and mental math to	2.NBT.7,	expanded form
		subtract by		subtract hundreds.	2.NBT.9	hundreds
	Three-Digit	decomposing	CCSS 26 Mentally Subtract 10 or	Subtract 10 or 100 mentally.	2.NBT.8,	thousand
	Subtraction	hundreds and tens.	100		2.NBT.9	place value
		Students	14-2 Regroup Tens	Regroup tens to subtract three-digit	2.NBT.7,	commutative
		will also learn to		numbers. NS 2.0, 2.2;	2.NBT.9	property
		estimate	14-3 Regroup Hundreds	Regroup hundreds to subtract three-	2.NBT.7,	associative
		differences.		digit numbers.	2.NBT.9	property
			14-4 Problem-Solving	Use the guess and check strategy	Focus on MP	identity property
			Strategy: Guess and Check	to solve problems.		compose
			14-5 Estimate Differences	Estimate the difference of three-	2.NBT.7,	decompose
				digit numbers by rounding.	2.NBT.7.1*	
			14-7 Problem-Solving	Choose the best strategy to solve	Focus on MP	
			Investigation: Choose a Strategy	problems.		

Total=160 Instructional Days

#### \*Performance Task Resources

- 1. K-5mathteaching resources
  - a. Number of the week
  - b. Roll 3 digits
  - c. Make six numbers
- 2. Illustrativemath.com
  - a. 10 tens make a hundred
  - b. Looking at numbers every which way
  - c. Bundling and unbundling
- 3. www.rda.aps.edu/mathtaskbank
  - a. Chocolate, Chocolate, Chocolate
  - b. License Plates
  - c. Sweet Sale
- 4. http://schools.nyc.gov
  - a. Resource for how to grade performance tasks