

1st Grade
Math in Focus

Chapter 1-Numbers to 10				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1: Counting to 10	<ul style="list-style-type: none"> Count from 0 to 10 objects Read and write 0 to 10 in numbers and words 	CC.1.NBT.1	CC.2.1.1.B.1	Mastery
Lesson 2: Comparing Numbers	<ul style="list-style-type: none"> Compare two sets of objects by using one-to-one correspondence Identify the set that has more, fewer, or the same number o objects Identify the number that is greater than or less than another number 			Mastery
Lesson 3: Making Number Patterns	<ul style="list-style-type: none"> Make number patterns 	CC.1.NBT.1	CC.2.1.1.B.1	Mastery

Chapter 2-Number Bonds				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Making Number Bonds	<ul style="list-style-type: none"> Use connecting cubes or math balance to find number bonds Find different number bonds for numbers to 10 	CC.1.OA.3 CC.1.OA.6	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery

Chapter 3-Addition Facts to 10				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Ways to Add	<ul style="list-style-type: none"> Count on to add Use number bonds to add in any order Write and solve addition sentences 	CC.1.OA.1 CC.1.OA.3 CC.1.OA.5 CC.1.OA.7	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 2 Making Addition Stories	<ul style="list-style-type: none"> Tell addition stories about pictures Write addition sentences 	CC.1.OA.6 CC.1.OA.7	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 3 Real-World Problems: Addition	<ul style="list-style-type: none"> Write addition sentences Solve real-world problems 	CC.1.OA.1 CC.1.OA.6 CC.1.OA.7 CC.1.OA.8	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery

Chapter 4-Subtraction Facts to 10				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1	<ul style="list-style-type: none"> Take away to subtract Count on to subtract 	CC.1.OA.1 CC.1.OA.4	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery

Ways to Subtract	<ul style="list-style-type: none"> Count back to subtract Use number bonds to subtract Write and solve subtraction sentences 	CC.1.OA.5 CC.1.OA.7		
Lesson 2 Making Subtraction Stories	<ul style="list-style-type: none"> Tell subtraction stories about pictures Write subtraction sentences 	CC.1.OA.4 CC.1.OA.6 CC.1.OA.7	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 3 Real-World Problems: Subtraction	<ul style="list-style-type: none"> Write subtraction sentences Solve real-world word problems 	CC.1.OA.1 CC.1.OA.4 CC.1.OA.7 CC.1.OA.8	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 4 Making Fact Families	<ul style="list-style-type: none"> Recognize related addition and subtraction sentences Write fact families Use fact families to solve real-world problems Determine if number sentences involving addition and subtraction are true or false 	CC.1.OA.1 CC.1.OA.4 CC.1.OA.7	CC.2.2.1.A.1 CC.2.2.1.A.2	

Chapter 5-Shapes and Patterns				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Exploring Plane Shapes	<ul style="list-style-type: none"> Identify, classify, and describe plane shapes Divide shapes into two and four equal parts and describe the parts Describe the whole as the sum of its parts 	CC.1.G.1 CC.1.G.2 CC.1.G.3	CC.2.3.1.A.1 CC.2.3.1.A.2	Exposure
Lesson 2 Exploring Solid Shapes	<ul style="list-style-type: none"> Identify, classify, and sort solid shapes 			Exposure
Lesson 3 Making Pictures and Models with Shapes	<ul style="list-style-type: none"> Combine and separate plane and solid shapes 	CC.1.G.2 CC.1.G.3	CC.2.3.1.A.1 CC.2.3.1.A.2	Exposure
Lesson 4 Seeing Shapes Around Us	<ul style="list-style-type: none"> Identify plane and solid shapes in real life 			Exposure
Lesson 5 Making Patterns with Plane Shapes	<ul style="list-style-type: none"> Use plane shapes to identify, extend, and create patterns 			Exposure
Lesson 6 Making Patterns with Solid Shapes	<ul style="list-style-type: none"> Use solid shapes to identify, extend, and create patterns 			Exposure

Chapter 6-Ordinal Numbers and Position		
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Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Ordinal Numbers	<ul style="list-style-type: none"> Use ordinal numbers 			Exposure
Lesson 2 Position Words	<ul style="list-style-type: none"> Use position words to name relative positions 			Exposure

Chapter 7-Numbers to 20				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Counting to 20	<ul style="list-style-type: none"> Count on from 10 to 20 Read and write 11 to 20 in numbers and words 	CC.1.NBT.1 CC.1.NBT.2a CC.1.NBT.2b	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery
Lesson 2 Place Value	<ul style="list-style-type: none"> Use a place-value chart to show numbers up to 20 Show objects up to 20 as tens and ones 	CC.1.NBT.1 CC.1.NBT.2a CC.1.NBT.2b	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery
Lesson 3 Comparing Numbers	<ul style="list-style-type: none"> Compare numbers to 20 	CC.1.NBT.2a CC.1.NBT.2b	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery
Lesson 4 Making Patterns and Ordering Numbers	<ul style="list-style-type: none"> Order numbers by making number patterns 	CC.1.NBT.1 CC.1.NBT.2b CC.1.NBT.3	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery

Chapter 8-Addition and Subtraction Facts to 20				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Ways to Add	<ul style="list-style-type: none"> Use different strategies to add 1- and 2-digit numbers 	CC.1.OA.6 CC.1.OA.7 CC.1.OA.8	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 2 Ways to Subtract	<ul style="list-style-type: none"> Subtract a 1-digit number from a 2-digit number with and without grouping 	CC.1.OA.4 CC.1.OA.6 CC.1.OA.7 CC.1.OA.8	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 3 Real-World Problems: Addition and Subtraction Facts	<ul style="list-style-type: none"> Solve real-world problems 	CC.1.OA.1 CC.1.OA.2 CC.1.OA.4 CC.1.OA.7	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery

Chapter 9-Length				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure

Lesson 1 Comparing Two Things	<ul style="list-style-type: none"> Compare two lengths, using the terms tall/taller, long/longer, and short/shorter 			Exposure Show students a ruler and explain that this is the tool we use to measure length, but they don't need to use it to measure anything. This will also help with bar models
Lesson 2 Comparing More than Two Things	<ul style="list-style-type: none"> Compare two lengths by comparing each with a third length Compare more than two lengths, using the terms tallest, longest, and shortest 	CC.1.MD.1	CC.2.4.1.A.1	Exposure
Lesson 3 Using a Start Line	<ul style="list-style-type: none"> Use a common starting point when comparing lengths 			Exposure
Lesson 4 Measuring Things	<ul style="list-style-type: none"> Measure lengths using non-standard units Understand that using different non-standard units may give different measurements for the same item 	CC.1.MD.2	CC.2.4.1.A.1	Exposure
Lesson 5 Finding Length in Units	<ul style="list-style-type: none"> Use the term "unit" to describe length Count measurement units in groups of tens and ones 	CC.1.MD.1 CC.1.MD.2	CC.2.4.1.A.1	Exposure

Chapter 10-Weight				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Comparing Things	<ul style="list-style-type: none"> Compare the weight of two things using the terms heavy, heavier, light, lighter, and as heavy as Compare the weights of more than two things using the terms lightest and heaviest 		CC.2.4.K.A.1	Exposure
Lesson 2 Finding the Weight of Things	<ul style="list-style-type: none"> Use a non-standard object to find the weight of things Compare weight using a non-standard object as a unit of measurement 	CC.1.OA.8	CC.2.4.K.A.1	Exposure
Lesson 3 Finding Weight in Units	<ul style="list-style-type: none"> Use the term "unit" when writing the weight of things Explain why there is a difference in a measurement when using different non-standard units Arrange things according to their weights 	CC.1.OA.8	CC.2.4.K.A.1	Exposure

Chapter 11-Picture Graphs and Bar Graphs				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Simple Picture Graphs	<ul style="list-style-type: none"> Collect and organize data Show data as a picture graph Understand the data shown in a picture graph 	CC.1.OA.8 CC.1.MD.4	CC.2.4.1.A.4	Exposure
Lesson 2 More Picture Graphs	<ul style="list-style-type: none"> Collect and organize data Draw picture graphs Understand the data shown in picture graphs using symbols 	CC.1.OA.8 CC.1.MD.4	CC.2.4.1.A.4	Exposure
Lesson 3 Tally Charts and Bar Graphs	<ul style="list-style-type: none"> Make a tally chart Show data in a bar graph Understand data shown in a bar graph 	CC.1.OA.8 CC.1.MD.4	CC.2.4.1.A.4	Exposure

Chapter 12-Numbers to 40				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Counting to 40	<ul style="list-style-type: none"> Count from 21 to 40 Read and write 21 to 40 in numbers and words 	CC.1.OA.5 CC.1.OA.8 CC.1.NBT.1 CC.1.NBT.2a CC.1.NBT.2c	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery
Lesson 2 Place Value	<ul style="list-style-type: none"> Use a place-value chart to show numbers to 40 Show objects to 40 as tens and one 	CC.1.OA.8 CC.1.NBT.1 CC.1.NBT.2a CC.1.NBT.2c	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery
Lesson 3 Comparing, Ordering, and Patterns	<ul style="list-style-type: none"> Use a strategy to compare numbers to 40 Compare numbers to 40 Order numbers to 40 Find the missing numbers in a number pattern 	CC.1.OA.8 CC.1.NBT.1 CC.1.NBT.2a CC.1.NBT.3	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery

Chapter 13-Addition and Subtraction to 40				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Addition without Regrouping	<ul style="list-style-type: none"> Add a 2-digit number and a 1-digit numbers without regrouping Add 2-digit numbers without regrouping 	CC.1.OA.7 CC.1.OA.8 CC.1.NBT.4	CC.2.1.1.B.3 CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery This chapter is extremely important. Terms-exchanging units, rods, etc.

				Ten units- 1 ten rod 10 rods = 1 flat 100
Lesson 2 Addition with Regrouping	<ul style="list-style-type: none"> Add a 2-digit number and a 1-digit numbers with regrouping Add 2-digit numbers with regrouping 	CC.1.OA.8 CC.1.NBT.2a CC.1.NBT.4	CC.2.1.1.B.2 CC.2.1.1.B.3 CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 3 Subtraction without Regrouping	<ul style="list-style-type: none"> Subtract a 1-digit number from a 2-digit numbers without regrouping Subtract a 2-digit number from another 2-digit number without regrouping 	CC.1.OA.4 CC.1.OA.7 CC.1.NBT.6	CC.2.1.1.B.3 CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 4 Subtraction with Regrouping	<ul style="list-style-type: none"> Subtract a 1-digit number from a 2-digit numbers with regrouping Subtract a 2-digit number from another 2-digit number with regrouping 	CC.1.OA.4 CC.1.OA.7 CC.1.OA.8 CC.1.NBT.2a	CC.2.1.1.B.2 CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 5 Adding Three Numbers	<ul style="list-style-type: none"> Add three 1-digit numbers 	CC.1.OA.3 CC.1.OA.6 CC.1.OA.7 CC.1.OA.8	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery
Lesson 6 Real-World Problems: Addition and Subtraction	<ul style="list-style-type: none"> Solve real-world problems Use related addition and subtraction facts to check the answers to real-world problems 	CC.1.OA.2 CC.1.OA.7 CC.1.OA.8	CC.2.2.1.A.1 CC.2.2.1.A.2	Mastery

Chapter 14-Mental Math Strategies				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Mental Addition	<ul style="list-style-type: none"> Mentally add 1-digit numbers Mentally add a 1-digit number to a 2-digit number Mentally add a 2-digit number to tens 	CC.1.OA.3 CC.1.OA.6 CC.1.NBT.5	CC.2.1.1.B.3 CC.2.2.1.A.2	Exposure This chapter is important, but don't stress over it.
Lesson 2 Mental Subtraction	<ul style="list-style-type: none"> Mentally subtract 1-digit numbers Mentally subtract a 1-digit number from a 2-digit number Mentally subtract tens from a 2-digit number 	CC.1.OA.3 CC.1.OA.6 CC.1.OA.8 CC.1.NBT.5	CC.2.1.1.B.3 CC.2.2.1.A.2	Exposure

Chapter 15-Calendar and Time				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Using a Calendar	<ul style="list-style-type: none"> Read a calendar Know the days of the week and months of the year Write the date 			Mastery

	<ul style="list-style-type: none"> Know the seasons of the year 			
Lesson 2 Telling Time to the Hour	<ul style="list-style-type: none"> Use the term o'clock to tell the time to the hour Read and show time to the hour on a clock Read and show time to the hour on a digital clock 	CC.1.MD.3	CC.2.4.1.A.2	Mastery
Lesson 3 Telling Time to the Half Hour	<ul style="list-style-type: none"> Read time to the half hour Use the term half past Relate time to daily activities Read and show time to the half hour on a digital clock 	CC.1.MD.3	CC.2.4.1.A.2	Mastery

Chapter 16-Numbers to 120				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Counting to 120	<ul style="list-style-type: none"> Count on from 41 to 120 Read and write 41 to 120 in numbers and words 	CC.1.OA.5 CC.1.NBT.1 CC.1.NBT.2a CC.1.NBT.2c	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery
Lesson 2 Place Value	<ul style="list-style-type: none"> Use a place-value chart to show numbers up to 100 Show objects up to 100 as tens and ones 	CC.1.NBT.1 CC.1.NBT.2a CC.1.NBT.2c	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery
Lesson 3 Comparing, Ordering, and Patterns	<ul style="list-style-type: none"> Use a strategy to compare numbers to 100 Compare and order numbers to 100 Find the missing numbers in a number pattern Compare numbers to 100 using the symbols $>$, $<$, and $=$ 	CC.1.OA.5 CC.1.NBT.1 CC.1.NBT.2a CC.1.NBT.2c CC.1.NBT.3	CC.2.1.1.B.1 CC.2.1.1.B.2	Mastery

Chapter 17-Addition and Subtraction to 100				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Addition without Regrouping	<ul style="list-style-type: none"> Add a 2-digit number and a 1-digit numbers without regrouping Add two 2-digit numbers without regrouping 	CC.1.OA.7 CC.1.OA.8 CC.1.NBT.2a CC.1.NBT.2c	CC.2.1.1.B.2	Mastery This chapter is extremely important
Lesson 2 Addition with Regrouping	<ul style="list-style-type: none"> Add a 2-digit number and a 1-digit numbers with regrouping Add two 2-digit numbers with regrouping 	CC.1.OA.7 CC.1.OA.8 CC.1.NBT.2a CC.1.NBT.4	CC.2.1.1.B.2 CC.2.1.1.B.3	Mastery
Lesson 3 Subtraction Without Regrouping	<ul style="list-style-type: none"> Subtract a 1-digit number from a 2-digit number without regrouping Subtract a 2-digit number from another 2-digit number without regrouping 	CC.1.OA.4 CC.1.OA.7 CC.1.OA.8 CC.1.NBT.2a CC.1.NBT.2c	CC.2.1.1.B.2 CC.2.1.1.B.3 CC.2.2.1.A.2	Mastery

		CC.1.NBT.4 CC.1.NBT.6		
Lesson 4 Subtraction with Regrouping	<ul style="list-style-type: none"> Subtract a 1-digit number from a 2-digit number with regrouping Subtract a 2-digit number from another 2-digit number with regrouping 	CC.1.OA.4 CC.1.OA.7 CC.1.OA.8 CC.1.NBT.2a CC.1.NBT.4	CC.2.1.1.B.2 CC.2.1.1.B.3 CC.2.2.1.A.2	Mastery

Chapter 18-Getting Ready for Multiplication and Division				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Adding the Same Number	<ul style="list-style-type: none"> Use objects or pictures to find the total number of items in groups of the same size Relate repeated addition to the concept of multiplication 	CC.1.OA.7	CC.2.2.2.A.3	Exposure
Lesson 2 Sharing Equally	<ul style="list-style-type: none"> Use objects or pictures to find the number of items in each group when sharing equally Relate sharing equally to the concept of division 			Exposure
Lesson 3 Finding the Number of Groups	<ul style="list-style-type: none"> Use objects or pictures to show division as finding the number of equal groups 			Exposure

Chapter 19-Money				
Lesson	Objective	Common Core	PA Core	Mastery/Exposure
Lesson 1 Penny, Nickel, and Dime	<ul style="list-style-type: none"> <u>Recognize and name penny, nickel, and dime.</u> Understand the symbol for cents Skip-count to find the value of a collection of coins <u>Exchange a coin of a greater value for a set of coins of equal value</u> Use different combinations of coins less than 25 cents to buy things 		CC.2.4.2.A.3	Mastery
Lesson 2 Quarter	<ul style="list-style-type: none"> Know and name a quarter Exchange a quarter for a set of coins of equal value 		CC.2.4.2.A.3	Mastery
Lesson 3 Counting Money	<ul style="list-style-type: none"> Count money in cents up to one dollar using the “count on” strategy Choose the correct value of coins when buying items Use different combinations of coins to show the same value 		CC.2.4.2.A.3	Mastery
Lesson 4	<ul style="list-style-type: none"> Add to find the cost of items 	CC.1.OA.7	CC.2.4.2.A.3	Mastery

Adding and Subtracting Money	<ul style="list-style-type: none">• Subtract to find the change• Add and subtract money in cents up to one dollar• Solve real-world problems involving addition and subtraction of money			
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