

Second Grade  
Scope and Sequence 2016-2017

Unit Number/Title Numbers and Counting	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 1.1	1 Day	Routines	CC.2.4.2.A.3	2.MD.8
Lesson 1.2	1 Day	Counting on a Number Line	CC.2.4.2.A.6, CC.2.1.2.B.2	2.MD.6, 2.NBT.2
Lesson 1.3	1 Day	Number Sequences	CC.2.1.2.B.2, CC.2.4.2.A.6	2.NBT.2, 2.MD.6
Lesson 1.4	1 Day	Counting on a Number Grid	CC.2.1.2.B.2	2.NBT.2
Lesson 1.5	1 Day	Number Grid Patterns	CC.2.1.2.B.2	2.NBT.2
Lesson 1.6	1 Day	Number Grid Puzzles	CC.2.1.2.B.2	2.NBT.2
Lesson 1.7	1 Day	Patterns in Counting	CC.2.1.2.B.2	2.NBT.2
Lesson 1.8	1 Day	Exploration: Building Even and Odd Numbers	CC.2.2.2A.3	2.OA.3
Total Days: 9				

Unit Number/Title Place Value	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 2.1	1 Day	Place Value: Tens and Ones	C.C.2.1.2.B.1	2.NBT.1
Lesson 2.2	1 Day	Place Value	C.C.2.1.2.B.1	2.NBT.1
Lesson 2.3	1 Day	Place Value 100s, 10s, and 1s	C.C.2.1.2.B.1	2.NBT.1
Lesson 2.4	1 Day	Numeration and Place Value	CC.2.1.2.B.1, CC.2.1.2.B.3	2.NBT.1, 2.NBT.3
Lesson 2.5	1 Day	Comparing 3 Digit Numbers	CC.2.1.2.B.3	2.NBT.4
Lesson 2.6	1 Day	Place Value	CC.2.1.2.B.1	2.NBT.1
Lesson 2.7	1 Day	Place Value Tools	CC.2.1.2.B.1	2.NBT.1

Lesson 2.8	1 Day	Place Value Through 10,000	CC.2.1.2.B.1, CC.2.1.2.B.2	2.NBT.1, 2.NBT.3
Lesson 2.9	1 Day	Place Value Through 1,000	CC.2.1.2.B.1, CC.2.1.2.B.2	2.NBT.1, 2.NBT.3
Lesson 2.10	1 Day	Expand Notation	CC.2.1.2.B.1	2.NBT.1
Total Days: 11				

Unit Number/Title Addition and Subtraction	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 3.1	1 Day	Review 'Easy' Addition Facts	CC.2.2.2.A.2	2.OA.2
Lesson 3.2	1 Day	Double Facts	CC.2.2.2.A.2, CC.2.2.2.A.3	2.OA.1, 2.OA.2, 2.OA.4
Lesson 3.3	1 Day	Addition Strategies for Double Facts	CC.2.2.2.A.2	2.OA.2
Lesson 3.4	1 Day	Subtraction from Addition	CC.2.2.2.A.2	2.OA.1, 2.OA.2
Lesson 3.5	1 Day	Counting Strategies for Subtraction	CC.2.2.2.A.2	2.OA.2
Lesson 3.6	1 Day	Strategies for 'harder' Subtraction Facts	CC.2.2.2.A.2	2.OA.2
Lesson 3.7	1 Day	Turn Around Facts and the +9 Shortcut	CC.2.2.2.A.2	2.OA.2
Lesson 3.8	1 Day	Introduction to Fact Families	CC.2.2.2.A.2	2.OA.2
Lesson 3.9	1 Day	Fact Families	CC.2.2.2.A.2	2.OA.2
Lesson 3.10	1 Day	Name Collections	CC.2.2.2.A.2	2.OA.2
Lesson 3.11	1 Day	Frames and Arrows	CC.2.1.2.B.2	2.NBT.2
Lesson 3.12	1 Day	Addition Number Stories	CC.2.2.2.A.2	2.OA.1
Total Days: 13				

Unit Number/Title Measurement	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 4.1	1 Day	The Inch	CC.2.4.2.A.1	2.MD.1, 2.MD.2, 2.MD.3
Lesson 4.2	1 Day	The Inch Ruler	CC.2.4.2.A.1	2.MD.1, 2.MD.2, 2.MD.3
Lesson 4.3	1 Day	Estimating Length in Feet and Inches	CC.2.4.2.A.1	2.MD.3
Lesson 4.4	1 Day	The Centimeter	CC.2.4.2.A.1	2.MD.1, 2.MD.2, 2.MD.3
Lesson 4.5	1 Day	Measuring with Yards and Meters	CC.2.4.2.A.1	2.MD.1, 2.MD.2, 2.MD.3
Lesson 4.6	1 Day	Explore Length	CC.2.4.2.A.1	2.MD.1, 2.MD.2, 2.MD.3
Total Days: 7				

Unit Number/Title Graphing and Interpreting Data	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 5.1	1 Day	Favorite Color Graph	CC.2.4.2.A.4	2.MD.10
Lesson 5.2	1 Day	Pet Bar Graph	CC.2.4.2.A.4	2.MD.10
Lesson 5.3	1 Day	Data Day: Pockets	CC.2.4.2.A.4	2.MD.10
Lesson 5.4	1 Day	Food Groups Data Day	CC.2.4.2.A.4	2.MD.9, 2.MD.10
Lesson 5.5	1 Day	Frequency Distributions	CC.2.4.2.A.4	2.MD.9, 2.MD.10
Total Days: 6				

Unit Number/Title Time	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 6.1	1 Day	Telling Time to the Hour	CC.2.4.2.A.2	2.MD.7

Lesson 6.2	1 Day	Telling Time to the Half Hour	CC.2.4.2.A.2	2.MD.7
Lesson 6.3	1 Day	Telling Time to the Quarter Hour	CC.2.4.2.A.2	2.MD.7
Lesson 6.4	1 Day	Telling Time to 5 Minute Intervals	CC.2.4.2.A.2	2.MD.7
Lesson 6.5	1 Day	Review Time	C.C.2.4.2.A.2	2.OA.2, 2.MD.7
Lesson 6.6	1 Day	More Time Review	CC.2.2.2.A.2, CC.2.1.2.B.3, CC.2.4.2.A.2	2.OA.2, 2.NBT.5, 2.MD.7
Total Days: 7				

Unit Number/Title Money	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 7.1	1 Day	Nickels	CC.2.4.2.A.3, CC.2.1.2.B.2	2.MD.8, 2.NBT.2
Lesson 7.2	1 Day	Counting Pennies and Nickels	CC.2.4.2.A.3, CC.2.1.2.B.2	2.MD.8, 2.NBT.2
Lesson 7.3	1 Day	Dimes	CC.2.4.2.A.3, CC.2.1.2.B.2	2.MD.8, 2.NBT.2
Lesson 7.4	1 Day	Counting Nickels, Dimes, and Pennies	CC.2.4.2.A.3, CC.2.1.2.B.2	2.MD.8, 2.NBT.2
Lesson 7.5	1 Day	Quarters	CC.2.4.2.A.3, CC.2.1.2.B.2, CC.2.2.2.A.2	2.MD.8, 2.NBT.2, 2.OA.2
Lesson 7.6	1 Day	Dollars	CC.2.4.2.A.3	2.MD.8
Lesson 7.7	1 Day	Review Money	CC.2.4.2.A.3, CC.2.1.2.B.2, CC.2.2.2.A.2	2.MD.8, 2.NBT.2, 2.OA.2
Lesson 7.8	1 Day	Grouping By 10s	CC.2.4.2.A.3, CC.2.1.2.B.2	2.MD.8, 2.NBT.3
Lesson 7.9	1 Day	Making Change	CC.2.4.2.A.3, CC.2.1.2.B.2	2.MD.8, 2.NBT.2
Lesson 7.10	1 Day	Making Change by Counting Up	CC.2.4.2.A.3, CC.2.1.2.B.2	2.MD.8, 2.NBT.2
Lesson 7.11	1 Day	Coin Exchange	CC.2.4.2.A.3	2.MD.8
Lesson 7.12	1 Day	Money Equivalencies	CC.2.4.2.A.3, CC.2.1.2.B.2	2.MD.8, 2.NBT.2

Total Days: 13				
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Unit Number/Title Addition Algorithms and Strategies	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 8.1	1 Day	Extending Complements of 10	CC.2.1.2.B.3	2.NBT.5, 2.NBT.7
Lesson 8.2	1 Day	Change to More Number Stories	CC.2.2.2.A.2	2.OA.1
Lesson 8.3	1 Day	Parts and Total Number Stories	CC.2.2.2.A.2, CC.2.1.2.B.3, CC.2.4.2.A.6, CC.2.4.2.A.3	2.OA.1, 2.NBT.5, 2.MD.6, 2.MD.8
Lesson 8.4	1 Day	Addition of 3 or More Numbers	CC.2.2.2.A.1, CC.2.1.2.B.3	2.OA.1, 2.NBT.6
Lesson 8.5	1 Day	More Addition of 3 or More Numbers	CC.2.2.2.A.2, CC.2.1.2.B.3	2.OA.1, 2.NBT.7
Lesson 8.6	1 Day	Paper and Pencil Addition	CC.2.1.2.B.3	2.NBT.5, 2.NBT.6, 2.NBT.7, 2.NBT.8, 2.NBT.9
Lesson 8.7	1 Day	More Paper and Pencil Addition	CC.2.1.2.B.3	2.NBT.5, 2.NBT.6, 2.NBT.7, 2.NBT.8, 2.NBT.9
Lesson 8.8	1 Day	Partial Sums	CC.2.1.2.B.1, CC.2.1.2.B.3	2.NBT.1, 2.NBT.5, 2.NBT.7, 2.NBT.9
Lesson 8.9	1 Day	More Partial Sums	CC.2.1.2.B.1, CC.2.1.2.B.3	2.NBT.1, 2.NBT.5, 2.NBT.7, 2.NBT.9
Total Days: 10				

Unit Number/Title Subtraction	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 9.1	1 Day	Subtraction Strategies	CC.2.1.2.B.3	2.NBT.5, 2.NBT.7, 2.NBT.9
Lesson 9.2	1 Day	Comparison Number Stories	CC.2.1.2.B.3	2.NBT.5, 2.NBT.7, 2.NBT.9
Lesson 9.3	1 Day	Change Number Stories	CC.2.1.2.B.3	2.NBT.5, 2.NBT.7, 2.NBT.9
Lesson 9.4	1 Day	Temperature Changes	CC.2.2.2A.2, CC.2.4.2.A.2	2.OA.1, 2.MD.7
Lesson 9.5	1 Day	The Trade First Subtraction Algorithm	CC.2.1.2.B.3	2.NBT.7, 2.NBT.9

Lesson 9.6	1 Day	Subtraction Number Stories with Dollars and Cents	CC.2.4.2.A.3, CC.2.2.2.A.2	2.MD.8, 2.OA.1
Lesson 9.7	1 Day	Mixed Subtraction and Addition Number Stories	CC.2.2.2A.2	2.OA.1
Lesson 9.8	1 Day	Adding and Subtracting Hundreds	CC.2.1.2.B.3	2.NBT.8
Total Days: 9				

Unit Number/Title Application of Addition Strategies	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 10.1	1 Day	Mental Arithmetic: A Basketball Game	CC.2.1.2.B.3	2.NBT.6
Lesson 10.2	1 Day	Shopping at the School Store	CC.2.4.2.A.3	2.MD.8
Lesson 10.3	1 Day	Mental Arithmetic: Vending Machines	CC.2.4.2.A.3, CC.2.2.2.A.2	2.MD.8, 2.OA.1
Lesson 10.4	1 Day	Mental Arithmetic: Using a Vending Machines	CC.2.4.2.A.3, CC.2.2.2.A.2	2.MD.8, 2.OA.1
Lesson 10.5	1 Day	Using Coins to Buy Things	CC.2.1.2.B.2, CC.2.4.2.A.3	2.NBT.2, 2.MD.8
Lesson 10.6	1 Day	Shopping Activity	CC.2.4.2.A.3, CC.2.1.2.B.3	2.MD.8, 2.NBT.5
Lesson 10.7	1 Day	Decimal Notation for Pennies and Dimes	CC.2.4.2.A.3, CC.2.4.2.B.1	2.MD.8, 2.NBT.1
Lesson 10.8	1 Day	Playing Pick a Coin	CC.2.4.2.A.3	2.MD.8
Lesson 10.9	1 Day	Addition Number Stories with Dollars and Cents	CC.2.4.2.A.3	2.MD.8
Total Days: 9				