

First Grade  
Scope and Sequence 2016-2017

Unit Number/Title Numbers All Around	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 1.1	1 Day	Daily Routines	CC.2.1.1.B.1	1.NBT.1
Lesson 1.2	1 Day	One to One Correspondence	CC.2.1.1.B.1	1.NBT.1
Lesson 1.3	1 Day	Dice Dot Patterns	CC.2.1.1.B.1	1.NBT.1
Lesson 1.4	1 Day	Number Writing Practice	CC.2.1.1.B.1	1.NBT.1
Lesson 1.5	1 Day	Double Ten Frame	CC.2.1.1.B.1, CC.2.1.1.B.2	1.NBT.1, 1.NBT.2
Lesson 1.6	1 Day	Ten and Some More	CC.2.1.1.B.2	1.NBT.2
Lesson 1.7	1 Day	Comparing Numbers	CC.2.1.1.B.1	1.NBT.1
Lesson 1.8	1 Day	One More, One Less	CC.2.2.1.A.1	1.OA.5
Lesson 1.9	1 Day	Number Grids	CC.2.1.1.B.1	1.NBT.1
Lesson 1.10	1 Day	More Number Grids	CC.2.1.1.A.1	1.NBT.1
Total Days: 11				

Unit Number/Title Place Value	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 2.1	1 Day	Two Digit Numbers	CC.2.1.1.B.1, CC.2.1.1.B.2	1.NBT.1, 1.NBT.2
Lesson 2.2	1 Day	Double Digits with Dice	CC.2.1.1.B.1, CC.2.1.1.B.2	1.NBT.1, 1.NBT.2a, 1.NBT.2b
Lesson 2.3	1 Day	Place Value: Tens and Ones	CC.2.1.1.B.2	1.NBT.2
Lesson 2.4	1 Day	Making Exchanges	CC.2.1.1.B.2	1.NBT.2
Lesson 2.5	1 Day	Ones, Tens, Hundreds	CC.2.1.1.B.2	1.NBT.2

Lesson 2.6	1 Day	Number Scrolls	CC.2.1.1.B.1	1.NBT.1
Lesson 2.7	1 Day	Relations	CC.2.1.1.B.1, CC.2.1.1.B.2	1.NBT.1, 1.NBT.3
Lesson 2.8	1 Day	More Than, Less Than Number Stories	CC.2.1.1.B.2	1.NBT.3
Lesson 2.9	1 Day	Number Gymnastic Game	CC.2.2.1.A.1, CC.2.1.1.B.1	1.OA.5, 1.NBT.1
Total Days: 10				

Unit Number/Title Counting by 1s and 10s with Time	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 3.1	1 Day	Counting By 1s	CC.2.1.1.B.1	1.NBT.1
Lesson 3.2	1 Day	Counting By 10s	CC.2.1.1.B.1	1.NBT.1
Lesson 3.3	1 Day	Counting by 1s and 10s	CC.2.1.1.B.2	1.NBT.2
Lesson 3.4	1 Day	Comparing Combinations	CC.2.1.1.B.2, CC.1.1.B.2	1.NBT.2, 1.NBT.3
Lesson 3.5	1 Day	Dimes and Pennies	CC.2.1.1.B.2	1.NBT.2
Lesson 3.6	1 Day	Name Collection Boxes	CC.2.1.1.B.1	1.NBT.1
Lesson 3.7	1 Day	Introduction to the Analog Clock	CC. 2.4.1.A.2	1.MD.3
Lesson 3.8	1 Day	Time to the Hour	CC.2.4.1.A.1	1.MD.2
Lesson 3.9	1 Day	Time to the Half Hour	CC.2.4.1.A.2	1.MD.3
Lesson 3.10	1 Day	More Time to the Half Hour	CC.2.4.1.A.2	1.MD.3
Lesson 3.11	1 Day	Digital Clocks and Telling Time	CC. 2.4.1.A.2	1.MD.3
Lesson 3.12	1 Day	Data Collection	CC.2.4.1.A.4	1.MD.4
Total Days: 16				

Unit Number/Title Addition	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 4.1	1 Day	Complements of 10	CC.2.2.1.A.1	1.OA.5
Lesson 4.2	1 Day	Writing Equations for Complements of 10	CC.2.2.1.A.1	1.OA.5
Lesson 4.3	1 Day	Unit Labels for Numbers	CC.2.2.1.A.1	1.OA.6
Lesson 4.4	1 Day	Complements of 10	CC.2.2.1.A.1	1.OA.6
Lesson 4.5	1 Day	Number Models	CC.2.2.1.A.1	1.OA.1
Lesson 4.6	1 Day	Creating Number Models	CC.2.2.1.A.1, CC.2.2.1.A.2	1.OA.6, 1.OA.7
Lesson 4.7	1 Day	Part-Part Total Diagram	CC.2.2.1.A.1	1.OA.5
Lesson 4.8	1 Day	Addition Using a Number Line	CC.2.2.1.A.1	1.OA.5
Lesson 4.9	1 Day	Adding 0	CC.2.2.1.A.1	1.OA.6
Lesson 4.10	1 Day	Adding 1	CC.2.2.1.A.1	1.OA.6
Lesson 4.11	1 Day	Ten More Ten Less	CC.2.2.1.A.1	1.OA.5
Lesson 4.12	1 Day	Domino Addition	CC.2.2.1.A.1	1.OA.5
Lesson 4.13	1 Day	Turn Around Facts	CC.2.2.1.A.2	1.OA.3
Lesson 4.14	1 Day	Turn Around Facts with Double Facts	CC.2.2.1.A.2	1.OA.3
Lesson 4.15	1 Day	Dice Sums	CC.2.2.1.A.1	1.OA.5
Lesson 4.16	1 Day	Facts Practice	CC.2.2.1.A.2, CC.2.2.1.A.1	1.OA.3, 1.OA.6
Lesson 4.17	1 Day	Introducing Fact Power	CC.2.2.1.A.1	1.OA.6
Lesson 4.18	1 Day	Data Collections	CC.2.4.1.A.4	1.MD.4

Total Days: 19				

Unit Number/Title Subtraction	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 5.1	1 Day	The Subtraction Symbol	CC. 2.2.1.A.1	1.OA.5
Lesson 5.2	1 Day	Subtraction Number Models	CC.2.2.1.A.1	1.OA.5
Lesson 5.3	1 Day	Subtracting on a Number Line	CC.2.2.1.A.1	1.OA.5
Lesson 5.4	1 Day	Subtracting Using a Ten Frame	CC.2.2.1.A.1	1.OA.5
Lesson 5.5	1 Day	Subtracting Using a Double Ten Frame	CC.2.2.1.A.1	1.OA.5
Lesson 5.6	1 Day	Number Story Subtraction	CC.2.2.1.A.1	1.OA.1
Lesson 5.7	1 Day	Subtracting 0	CC.2.2.1.A.1	1.OA.6
Lesson 5.8	1 Day	Subtracting 1	CC.2.2.1.A.1	1.OA.6
Lesson 5.9	1 Day	Counting Back Subtraction Strategy	CC.2.2.1.A.1	1.OA.6
Lesson 5.10	1 Day	Counting Up Subtraction	CC.2.2.1.A.1	1.OA.6
Lesson 5.11	1 Day	Shortcuts for Subtraction Facts	CC.2.2.1.A.1	1.OA.6
Lesson 5.12	1 Day	Fact Families	CC.2.1.1.A.1	1.OA.6
Lesson 5.13	1 Day	Fact Triangles	CC.2.2.1.A.1	1.OA.6
Lesson 5.14	1 Day	Equivalent Names	CC.2.2.1.A.1	1.OA.6
Total Days: 15				

Unit Number/Title Addition and Subtraction	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 6.1	1 Day	Adding Tens with Base 10	CC.2.1.1.B.3	1.NBT.4
Lesson 6.2	1 Day	Adding 10 on a Number Grid	CC.2.1.1.B.3	1.NBT.4
Lesson 6.3	1 Day	Subtracting Tens with Base 10	CC.2.1.1.B.3	1.NBT.6
Lesson 6.4	1 Day	Subtracting Ten on a Number Grid	CC.2.1.1.B.3	1.NBT.6
Lesson 6.5	1 Day	Adding Multiples of Ten	CC.2.1.1.B.3	1.NBT.4, 1.NBT.5
Lesson 6.6	1 Day	Subtracting Multiples of Ten	CC.2.1.1.B.3	1.NBT.4, 1.NBT.5
Lesson 6.7	1 Day	Number Grid Puzzles	CC.2.1.1.B.3	1.NBT.5
Lesson 6.8	1 Day	More Number Grid Puzzles	CC.2.1.1.B.3	1.NBT.5
Lesson 6.9	1 Day	Adding with Exchanges	CC.2.1.1.B.3	1.NBT.4
Lesson 6.10	1 Day	Adding 1 and 2 Digit Numbers with Exchanges	CC.2.1.1.B.3	1.NBT.4
Lesson 6.11	1 Day	Creating a Number Line to Add	CC.2.2.1.A.1	1.OA.5
Lesson 6.12	1 Day	Creating a Number Line to Subtract	CC.2.1.1.A.1	1.OA.5
Lesson 6.13	1 Day	Quantity Quantity Difference	CC.2.2.1.A.1	1.OA.1
Lesson 6.14	1 Day	Near Doubles	CC.2.2.1.A.1	1.OA.6
Total Days: 15				

Unit Number/Title Algebraic Concepts	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 7.1	1 Day	Parts and Total Stories	C.C.2.2.1.A.1	1.OA.1
Lesson 7.2	1 Day	Adding Three Numbers	CC.2.2.1.A.1	1.OA.3

Lesson 7.3	1 Day	Three Addend Number Stories	CC.2.2.1.A.1	1.OA.3
Lesson 7.4	1 Day	Collecting and Analyzing Data	CC.2.4.1.A.4, CC.2.2.1.A.1	1.MD.4, 1.OA.2
Lesson 7.5	1 Day	Name Collection Boxes	CC.2.2.1.A.1	1.OA.6
Lesson 7.6	1 Day	Balanced Equations	CC.2.2.1.A.2	1.OA.7
Lesson 7.7	1 Day	Making Number Models Equal	CC.2.2.1.A.2	1.OA.7
Lesson 7.8	1 Day	Finding the Missing Addend	CC.2.2.1.A.2	1.OA.8
Lesson 7.9	1 Day	Finding the Missing Addend in Number Stories	CC.2.2.1.A.2	1.OA.8
Lesson 7.10	1 Day	Finding the Unknown Number	CC.2.2.1.A.2	1.OA.4
Lesson 7.11	1 Day	Unknown Numbers in Number Stories	CC.2.2.1.A.2	1.OA.4, 1.OA.8
Lesson 7.12	1 Day	More Finding Unknowns in Number Stories	CC.2.1.1.A.2	1.OA.8
Lesson 7.13	1 Day	Solving Number Stories with Multiples of 10	CC.2.1.1.B.3	1.NBT.6
Total Days: 14				

Unit Number/Title Measurement and Geometry	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 8.1	1 Day	Non Standard Linear Measurement	CC.2.4.1.A.1	1.MD.1, 1.MD.2
Lesson 8.2	1 Day	Non Standard and Standard Foot	CC.2.4.1.A.1	1.MD.2
Lesson 8.3	1 Day	Measurement with Objects	CC.2.4.1.A.1, CC.2.4.1.A.4	1.MD.1, 1.MD.2, 1.MD.4
Lesson 8.4	1 Day	Measurement and Comparing Objects	CC.2.4.1.A.1, CC.2.2.1.A.1	1.MD.1, 1.MD.2, 1.OA.1
Lesson 8.5	1 Day	Comparing Measurement Results	CC.2.4.1.A.1	1.MD.1, 1.MD.2
Lesson 8.6	1 Day	Introduction to Attribute Blocks	CC.2.3.1.A.1	1.G.1

Lesson 8.7	1 Day	Polygon Attributes	CC.2.3.1.A.1	1.G.1, 1.G.2
Lesson 8.8	1 Day	Making Polygons with Straws	CC.2.3.1.A.1	1.G.2
Lesson 8.9	1 Day	Making 3D Shapes with Straws	CC.2.3.1.A.1	1.G.2
Lesson 8.10	1 Day	Making 3D Shapes: Nets	CC.2.3.1.A.1	1.G.2
Lesson 8.11	1 Day	Investigating Polygon Shapes	CC.2.2.1.A.1	1.G.1, 1.G.2
Lesson 8.12	1 Day	Equal Shares with Rectangles	CC.2.3.1.A.2	1.G.3
Lesson 8.13	1 Day	Equal Shares with Circles	CC.2.3.1.A.2	1.G.3
Total Days: 14				