

Third Grade
Scope and Sequence 2016-2017

Unit Number/Title Place Value for Addition and Subtraction	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 1.1	1 Day	Place Value Notation for 10,000	CC.2.2.3.A.4	3.OA.9
Lesson 1.2	1 Day	Reading and Comparing Number Stories	CC.2.2.3.A.4	3.OA.9
Lesson 1.3	1 Day	Ordering Numbers	CC.2.1.3.B.1	3.NBT.2, 2.NBT.3, 2.NBT.4
Lesson 1.4	1 Day	Solving Word Problems Using Addition	CC.2.2.3.A.4, CC.2.1.3.B.1	3.OA.8, 3.NBT.2
Lesson 1.5	1 Day	Subtraction Strategies	CC.2.1.3.B.1	2.NBT.2
Lesson 1.6	1 Day	More Subtraction Strategies	CC.2.1.3.B.1	2.NBT.2
Lesson 1.7	1 Day	Subtraction Algorithm and Word Problems	CC.2.2.3.A.4, CC.2.1.3.B.1	3.OA.8, 3.NBT.2
Lesson 1.8	1 Day	Solve Word Problems with an Unknown	CC.2.2.3.A.4	3.OA.8
Lesson 1.9	1 Day	Multi-Step Problems	CC.2.2.2.A.4	3.OA.8
Lesson 1.10	1 Day	Rounding to the Nearest 100	CC.2.1.3.B.1, CC.2.4.3.A.3	3.NBT.1
Lesson 1.11	1 Day	Rounding to the Nearest 10	CC.2.1.3.B.1	3.NBT.1
Lesson 1.12	1 Day	Estimating Sums and Differences	CC.2.1.3.B.1, CC.2.2.3.A.4	3.NBT.1
Total Days: 13				

Unit Number/Title Introduction to Multiplication Strategies	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 2.1	1 Day	Multiples of Equal Groups	CC.2.2.3.A.1	3.OA.3
Lesson 2.2	1 Day	Multiplication Arrays	CC.2.2.3.A.1	3.OA.3

Lesson 2.3	1 Day	Multiplication with 5 and 10	CC.2.2.3.A.1	3.OA.3
Lesson 2.4	1 Day	Distributive Property of Multiplication	CC.2.2.3A.2	3.OA.5
Lesson 2.5	1 Day	Communicative Property with Arrays	CC.2.2.3A.2	3.OA.5
Lesson 2.6	1 Day	Multiplication of 0 and 1	CC.2.2.3.A.1	3.OA.1
Lesson 2.7	1 Day	Equal Sharing and Equal Groups	CC.2.2.3.A.1	3.OA.2
Lesson 2.8	1 Day	Fact Triangles and Fact Families	CC.2.2.3.A.2	3.OA.6
Lesson 2.9	1 Day	Unknown Quantities with Multiplication and Division	CC.2.2.3.A.1	3.OA.4
Lesson 2.10	1 Day	Solving and Writing Number Stories	CC.2.2.3.A.4	3.OA.8
Lesson 2.11	1 Day	Estimating Costs	CC.2.2.3.A.4	3.OA.9
Total Days: 12				

Unit Number/Title Application of Multiplication and Division	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 3.1	1 Day	Multiplication of 6-9	CC.2.2.3.A.1	3.OA.1
Lesson 3.2	1 Day	Arithmetic Pattern in Multiplication	CC.2.2.3.A.4	3.OA.9
Lesson 3.3	1 Day	Finding the Unknowns	CC.2.2.3.A.4, CC.2.2.3.A.1	3.OA.4
Lesson 3.4	1 Day	Relating Arrays and Equal Groups	CC.2.2.3.A.3	3.OA.7
Lesson 3.5	1 Day	Solving Problems with Parenthesis	CC.2.2.3.A.2	3.OA.5
Lesson 3.6	1 Day	Order of Operations in Word Problems	CC.2.2.3.A.4	3.OA.9
Lesson 3.7	1 Day	Using the Associative Property	CC.2.2.3.A.2	3.OA.5

Lesson 3.8	1 Day	Extending Multiplication Facts	CC.2.1.3.B.1	3.NBT.3
Lesson 3.9	1 Day	Solve Word Problems with Mixed Operations	CC.2.2.3.A.4, CC.2.1.3.B.1	3.OA.8, 3.NBT.2
Lesson 3.10	1 Day	Estimating Products and Quotients	CC.2.2.3.A.4	3.OA.9
Total Days: 11				

Unit Number/Title Geometric Measurements with Area and Perimeter	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 4.1	1 Day	Attributes of Polygons	CC.2.3.3.A.1	3.G.1
Lesson 4.2	1 Day	Attributes of Quadrilaterals	CC.2.3.3.A.1	3.G.1
Lesson 4.3	2 Days	Measuring to the Nearest Quarter Inch	CC.2.4.3.A.1	3.MD.2
Lesson 4.4	1 Day	Measuring to the Nearest Centimeter	CC.2.4.3.A.1	2.MD.1
Lesson 4.5	1 Day	Finding Perimeter	CC.2.4.3.A.6	3.MD.8
Lesson 4.6	1 Day	Determining Perimeter of Polygons	CC.2.4.3.A.6	3.MD.8
Lesson 4.7	1 Day	Solving Problems with Perimeter	CC.2.4.3.A.6	3.MD.8
Lesson 4.8	1 Day	Finding Perimeter with an Unknown	CC.2.4.3.A.6	3.MD.8
Lesson 4.9	1 Day	Comparing and Measuring Polygons	CC.2.3.3.A.1, CC.2.4.3.A.1	3.G.1, 3.MD.2
Lesson 4.10	1 Day	Finding Area by Tiling	CC.2.4.3.A.5	3.MD.6
Lesson 4.11	1 Day	Finding Area Using Multiplication	CC.2.4.3.A.5	3.MD.7
Lesson 4.12	1 Day	Comparing Area and Perimeter of Different Figures	CC.2.4.3.A.6	3.MD.8
Lesson 4.13	1 Day	Solving Real World Problems Using Area and Perimeter	CC.2.4.3.A.6, CC.2.4.3.A.5	3.MD.8, 3.MD.7
Total Days: 15				

Unit Number/Title Introduction to Fractions	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 5.1	1 Day	Equal Parts of a Whole	CC.2.1.3.C.1	3.NF.1
Lesson 5.2	1 Day	Identify Fractions with Equal Parts	CC.2.1.3.C.1	3.NF.1
Lesson 5.3	1 Day	Fractional Parts of Different Wholes	CC.2.1.3.C.1	3.NF.1
Lesson 5.4	1 Day	Exploring Fractions of ONE or Whole	CC.2.1.3.C.1	3.NF.1
Lesson 5.5	1 Day	Different Wholes	CC.2.1.3.C.1	3.NF.1
Lesson 5.6	1 Day	Fractions of ONE Whole	CC.2.1.3.C.1	3.NF.1, 3.NF.3
Lesson 5.7	1 Day	Fractions of a Set	CC.2.1.3.C.1	3.NF.1
Lesson 5.8	1 Day	Fractions of a Collection	CC.2.3.1.C.1	3.NF.1
Lesson 5.9	1 Day	Fractions with a Number Line Poster	CC.2.1.3.C.1	3.NF.2
Lesson 5.10	1 Day	Fractions on a Number Line	CC.2.1.3.C.1	3.NF.2
Total Days: 11				

Unit Number/Title Comparing and Equivalent Fractions	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 6.1	1 Day	Comparing Fractions with the Same Denominator	CC.2.1.3.C.1	3.NF.3
Lesson 6.2	1 Day	Comparing Fractions with the Same Numerator	CC.2.1.3.C.1	3.NF.3
Lesson 6.3	1 Day	Equivalent Fractions Using Visual Models	CC.2.1.3.C.1	3.NF.3
Lesson 6.4	1 Day	Using Fraction Bars to Show Equivalence	CC.2.1.3.C.1	3.NF.3
Lesson 6.5	1 Day	Showing and Explaining	CC.2.2.2A.3	2.OA.3

		Equivalent Fractions		
Lesson 6.6	1 Day	Showing and Creating Equivalent Fractions	CC.2.1.3.C.1	3.NF.3
Lesson 6.7	1 Day	Equivalent Fractions	CC.2.1.3.C.1	3.NF.3
Lesson 6.8	1 Day	Solving Number Stories with Fractions	CC.2.1.3.C.1	3.NF.1, 3.NF.3
Total Days: 9				

Unit Number/Title Data and Money	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 7.1	1 Day	Introduction to Bar Graphs and Tally Charts	CC.2.4.3.A.4	3.MD.4
Lesson 7.2	1 Day	Using Bar Graphs	CC.2.4.3.A.4	3.MD.3
Lesson 7.3	1 Day	Pictographs	CC.2.4.3.A.4	3.MD.3
Lesson 7.4	1 Day	Reading Line Plots	CC.2.4.3.A.4	3.MD.4
Lesson 7.5	1 Day	Solve Problems with Line Plots	CC.2.4.3.A.4	3.MD.3
Lesson 7.6	1 Day	Creating Line Plots	CC.2.4.3.A.4	3.MD.3
Lesson 7.7	1 Day	Using Measurement Data with Line Plots	CC.2.4.3.A.4	3.MD.4
Lesson 7.8	1 Day	Bar Graphing Project	CC.2.4.3.A.4	3.MD.3
Lesson 7.9	1 Day	Counting and Comparing Money	CC.2.4.3.A.3	4.NF.7
Lesson 7.10	1 Day	Estimating Costs	CC.2.4.3.A.3	3.OA.9
Lesson 7.11	1 Day	Solving Problems with Money	CC.2.4.3.A.3	4.NF.3
Lesson 7.12	1 Day	Making Change	CC.2.4.3.A.3	4.NF.3
Total Days: 13				

Unit Number/Title Measurement of Time, Mass, and Liquid Volume	Approximate Duration of Instruction	Lesson Title	PA Common Core	CCSS
Lesson 8.1	1 Day	Equivalent Names for Time	CC.2.4.3.A.2	3.MD.1
Lesson 8.2	1 Day	Time to the Minute	CC.2.4.3.A.2	3.MD.1
Lesson 8.3	1 Day	Finding Time Before and After a Given Time	CC.2.4.3.A.2	3.MD.1
Lesson 8.4	1 Day	Elapsed Time to the Minute	CC.2.4.3.A.2	3.MD.1
Lesson 8.5	1 Day	Stories about Elapsed Time	CC.2.2.2A.3	2.OA.3
Lesson 8.6	1 Day	Measuring Mass	CC.2.4.3.A.1	3.MD.2
Lesson 8.7	1 Day	Estimating Mass	CC.2.4.3.A.1	3.MD.2
Lesson 8.8	1 Day	Measuring Liquid Volume	CC.2.4.3.A.1	3.MD.2
Lesson 8.9	1 Day	Estimating Liquid Volume	CC.2.4.3.A.1	3.MD.2
Lesson 8.10	2 Days	Word Problems – Mass and Liquid Volume	CC.2.4.3.A.1	3.MD.2
Total Days: 12				