

Grade 4
2016-2017
Scope and Sequence

Unit Number/Title Multi-Digit Numbers	Approximate Duration of Instruction	Unit Focus/Math Practices	PA common core	CCSS
1-1	1 Day	Expanded Form	CC.2.1.4.B.1	4.NBT.2
1-2	1 Day	Round to the Nearest Thousand and Ten Thousand	CC.2.1.4.B.1	4.NBT.3
1-3	1 Day	Round to the Nearest Hundred Thousand and Million	CC.2.1.4.B.1	4.NBT.3
1-4	1 Day	Addition Methods - 5 and 6 digit	CC.2.1.4.B.2	4.NBT.4
1-5	1 Day	Subtraction Methods - 5 and 6 digit	CC.2.1.4.B.2	4.NBT.4
1-6	1 Day	Number Stories	CC.2.4.4.A.1	4.OA.3
1-7	1 Day	Number Stories - Time	CC.2.4.4.A.1	4.MD.2
1-8	1 Day	Number Stories - Time	CC.2.4.4.A.1	4.MD.2
Total Days: 10				

Unit Number/Title Unit 2 - Multiplication	Approximate Duration of Instruction	Unit Focus/Math Practices	PA common core	CCSS
---	-------------------------------------	---------------------------	----------------	------

2-1	1 Day	Place Value as Ten Times	CC.2.1.4.B.1	4.NBT.1
2-2	1 Day	Ten Times the Value	CC.2.1.4.B.1	4.NBT.1
2-3	1 Day	Multiply Using Place Value	CC.2.2.4.A.1	4.OA.1
2-4	1 Day	Multi Digit Multiplication 2-3 digits * 1 digit	CC.2.1.4.B.2	4.NBT.5
2-5	1 Day	Multi Digit Multiplication 4 digits * 1 digit	CC.2.1.4.B.2	4.NBT.5
2-6	1 Day	Multi Digit Multiplication 2 digits * 2 digits	CC.2.1.4.B.2	4.NBT.5
2-7	1 Day	Multiplication - Number Stories	CC.2.2.4.A.1	4.OA.2 / 4.OA.3
2-8	1 Day	Factors and Multiples	CC.2.2.4.A.2	4.OA.4
2-9	1-2 Day(s)	Finding All Factors	CC.2.2.4.A.2	4.OA.4
2-10	1 Day	Prime and Composite Numbers	CC.2.2.4.A.2	4.OA.4
Total Days: 13				

Unit Number/Title Division	Approximate Duration of Instruction	Unit Focus/Math Practices	PA common core	CCSS
3-1	1 Day	Divide Multiples of 10 and 100 by 1 Digit Divisor	CC.2.1.4.B.2	4.NBT.6
3-2	1 Day	Divide Multiples of 1000 by 1 Digit Divisor	CC.2.1.4.B.2	4.NBT.6
3-3	1 Day	Division - 1 Digit by 2 Digit	CC.2.1.4.B.2	4.NBT.6

3-4	1 Day	Partial Quotients - 3 digits by 1 digit	CC.2.1.4.B.2	4.NBT.6
3-5	1 Day	Partial Quotients - 4 digits by 1 digit	CC.2.1.4.B.2	4.NBT.6
3-6	1 Day	Division Number Stories	CC.2.4.4.A.1	4.OA.2
3-7	1 Day	Division Number Stories - Interpret Remainders	CC.2.4.4.A.1	4.OA.3
3-8	1 Day	Multi-Step Number Stories	CC.2.4.4.A.1	4.OA.3
Total Days: 9				
Unit Number/Title Fractions	Approximate Duration of Instruction	Unit Focus/Math Practices	PA common core	CCSS
4-1	1 Day	Constructing the Whole	CC.2.1.4.C.1	4.NF.1
4-2	1 Day	Fractional Parts of a Region	CC.2.1.4.C.1	4.NF.1
4-3	1 Day	More Fractional Parts of a Region	CC.2.1.4.C.1	4.NF.1
4-4	1 Day	Fractional Parts of a Set	CC.2.1.4.C.2	4.NF.4.a-c
4-5	1 Day	Fractions on a Number Line	CC.2.1.4.C.1	4.NF.1

4-6	1 Day	Mixed Numbers and Improper Fractions	CC.2.1.4.C.2	4.NF.3.c
4-7	1 Day	Decomposing Fractions	CC.2.1.4.C.2	4.NF.3.b
4-8	1 Day	Many Names for Fractions	CC.2.1.4.C.1	4.NF.1
4-9	1 Day	Equivalent Fractions	CC.2.1.4.C.2	4.NF.2
4-10	1 Day	Simplest Form	CC.2.1.4.C.2	4.NF.2
4-11	1 Day	Compare Fractions	CC.2.1.4.C.2	4.NF.2
4-12	1 Day	Order Fractions	CC.2.1.4.C.2	4.NF.2
4-13	1 Day	Add and Subtract Fractions	CC.2.1.4.C.2	4.NF.3.a
4-14	1 Day	Multiplication of Fractions & Whole Numbers	CC.2.1.4.C.2	(4.NF.4.a-c)
Total Days: 16				

Unit Number/ Title Geometry	Approximate Duration of Instruction	Unit Focus/Math Practices	PA Common Core	CCSS
5-1	1 Day	Identify & Draw points, lines, line segments	CC.2.3.4.A.1	4.G.1

5-2	1 Day	Identify & Draw Rays and Angles	CC.2.3.4.A.1	4.G.1
5-3	1 Day	Recognize Points, Lines, Line Segments, Rays & Angles	CC.2.3.4.A.1	4.G.1
5-4	1 Day	Define and Draw Perpendicular Lines	CC.2.3.4.A.2	4.G.2
5-5	1 Day	Identify Perpendicular Lines	CC.2.3.4.A.2	4.G.2
5-6	1 Day	Define & Draw Parallel Lines	CC.2.3.4.A.2	4.G.2
5-7	1 Day	Identify Parallel Lines	CC.2.3.4.A.2	4.G.2
5-8	1 Day	Recognize Lines of Symmetry in 2-D figures	CC.2.3.4.A.3	4.G.3
5-9	1 Day	Identify and Draw Lines of Symmetry	CC.2.3.4.A.3	4.G.3
5-10	1 Day	Classify Triangles by Side Lengths & Angles	CC.2.3.4.A.2	4.G.2
5-11	1 Day	Construct and Define Triangles	CC.2.3.4.A.2	4.G.2
5-12	1 Day	Explore Symmetry in Triangles	CC.2.3.4.A.3	4.G.3
5-13	1 Day	Classify Quadrilaterals	CC.2.3.4.A.2	4.G.2

5-14	1 Day	Construct Quadrilaterals	CC.2.3.4.A.2	4.G.2
5-15	1 Day	Geometric Solids	CC.2.3.4.A.2	4.G.2
Total Days: 16				

Unit Number/ Title Geometry II	Approximate Duration of Instruction	Unit Focus/Math Practices	PA Common Core	CCSS
6-1	Day 1	Use Right Angles to Compare Angles	CC.2.4.4.A.6	4.MD.6
6-2	Day 1	Draw Right, Acute & Obtuse Angles	CC.2.4.4.A.6	4.MD.6
6-3	Day 1	Introduction—Full Circle Protractor	CC.2.4.4.A.6	4.MD.6
6-4	Day 1	Measuring Angles with a Protractor	CC.2.4.4.A.6	4.MD.6
6-5	Day 1	Draw Angles & Measure with a Protractor	CC.2.4.4.A.6	4.MD.6
6-6	Day 1	Identify & Measure Complementary Angles	CC.2.4.4.A.6	4.MD.7
6-7	Day 1	Identify & Measure Supplementary Angles	CC.2.4.4.A.6	4.MD.7
6-8	Day 1	Identify & Measure Angles—Turns	CC.2.4.4.A.6	4.MD.6
6-9	Day 1	Decompose Angles with Pattern Blocks	CC.2.4.4.A.6	4.MD.7
6-10	Day 1	Finding Unknown Angles—Complementary	CC.2.4.4.A.6	4.MD.7

6-11	Day 1	Finding Unknown Angles-- Supplementary	CC.2.4.4.A.6	4.MD.7
6-12	Day 1	Graphing	CC.2.4.3.A.4	
Total Days: 13				

Unit Number/Title Decimals	Approximate Duration of Instruction	Unit Focus/Math Practices	PA common core	CCSS
7-1	1 Day	Model Decimals with Base 10 Blocks	CC.2.1.4.C.3	4.NF.6
7-2	1 Day	Tenths and Hundredths	CC.2.1.4.C.3	4.NF.6
7-3	1 Day	Tenths and Hundredths of a Meter	CC.2.1.4.C.3	4.NF.6
7-4	1 Day	Decimal Place Value	CC.2.1.4.C.3	4.NF.6
7-5	1 Day	Review of Basic Decimal Concepts	CC.2.1.4.C.3	4.NF.5
7-6	1 Day	Comparing and Ordering Decimals	CC.2.1.4.C.3	4.NF.7
7-7	1 Day	Estimating with Decimals	CC.2.1.4.C.3	4.NF.5
7-8	1 Day	Fractions and Decimals	CC.2.1.4.C.3	4.NF.6
7-9	1 Day	Estimating Decimals	CC.2.1.4.C.3	4.NF.6
Total Days: 10				

Unit Number/Title Unit 8 - Measurement	Approximate Duration of Instruction	Unit Focus/Math Practices	PA common core	CCSS
8-1	1 Day	Metric Unit of Length	CC.2.4.4.A.1	4.MD.1
8-2	1 Day	Personal References for Metric Length	CC.2.4.4.A.1	4.MD.1
8-3	1 Day	Solving Number Stories - Distance	CC.2.4.4.A.1	4.MD.2
8-4	1 Day	Reviewing Length	CC.2.4.4.A.1	4.MD.1
8-5	1 Day	Perimeter	CC.2.4.4.A.1	4.MD.2
8-6	1 Day	Area	CC.2.4.4.A.1	4.MD.3
8-7	1 Day	Number Stories – Area & Perimeter	CC.2.4.4.A.1	4.MD.3
8-8	1 Day	Weight	CC.2.4.4.A.1	4.MD.1
8-9	1 Day	Capacity & Weight	CC.2.4.4.A.1	4.MD.3
8-10	1 Day	Conversions	CC.2.4.4.A.1	4.MD.2
8-11	1 Day	Number Stories—Volume	CC.2.4.4.A.1	4.MD.2
8-12	1 Day	Number Stories--Mass	CC.2.4.4.A.1	4.MD.2
Total Days: 13				