Unit 1
2016-2017
Scope and Sequence

Unit Number/Title **Place Value and Base 10**	**Approximate Duration of Instruction**	Unit Focus/Math Practices	PA Eligible Content	CCSS
1-1	1 Day	Decimal Place Value Thousandths	M05.A-T.1.1.3	5.NBT.3
1-2	1 Day	Relate Adjacent Base Ten Units	M05.A-T.1.1.1	5.NBT.1
1-3	1 Day	Use Exponents to Denote Power of Ten	M05.A-T.1.1.1	5.NBT.1
1-4	1 Day	Exponents with Metric Conversions	M05.D-M.1.1.1	5.MD.1
1-5	1 Day	Use Place Value to Name Decimal Fractions	M05.A-T.1.1.3	5.NBT.3
1-6	1 Day	Compare Decimal Fractions to the Nearest Thousandth	M05.A-T.1.1.5	5.NBT.4
1-7	1 Day	Round Decimal Through Thousandths (part 1)	M05.A-T.1.1.5	5.NBT.4
1-8	1 Day	Round Decimal Through Thousandths (part 2)	M05.A-T.1.1.5	5.NBT.4
Total Days: 10				

Unit 2
2016-2017
Scope and Sequence

Unit Number/Title **Computation with Decimal Numbers**	**Approximate Duration of Instruction**	Unit Focus/Math Practices	PA Eligible Content	CCSS
2-1	1 Day	Addition of Decimal Numbers Using Place Value	M05.A-T.2.1.3	5.NBT.7
2-2	1 Day	Subtraction of Decimal Numbers Using Place Value	M05.A-T.2.1.3	5.NBT.7
2-3	1 Day	Decimals in Money	M05.A-T.2.1.3	5.NBT.7
2-4	1 Day	Multiplying Multi-Decimal	M05.A-T.2.1.3	5.NBT.7

		Whole Numbers and Multiples of 10		
2-5	1 Day	Writing Numerical Expressions Using Multiplication	M05.B-O.1.1.2	5.OA.2
2-6	1 Day	Matching Number Stories to Appropriate Expressions	M05.B-O.1.1.2	5.OA.2
2-7	1 Day	Reasoning the Decimal Point Placement	M05.A-T.1.1.2	5.NBT.2
2-8	1 Day	Multiplying by Tenths	M05.A-T.2.1.3	5.NBT.7
Total Days: 10				

Unit 3
2016-2017
Scope and Sequence

Unit Number/Title **Division**	**Approximate Duration of Instruction**	Unit Focus/Math Practices	PA Eligible Content	CCSS
3-1	1 Day	Divide by 10 Patterns for Multi-Digit Division	M05.A-T.2.1.2	5.NBT.6
3-2	1 Day	Basic Facts to Estimate Quotients	M05.A-T.2.1.1	5.NBT.5
3-3	1 Day	Division with 2-Digit Quotients	M05.A-T.2.1.2	5.NBT.6
3-4	1 Day	Division by Multiples of 10 with Single-Digit Quotients	M05.A-T.2.1.2	5.NBT.6
3-5	1 Day	Division by 2-Digit Divisors	M05.A-T.2.1.2	5.NBT.6
3-6	1 Day	Partial Quotients Algorithm	M05.A-T.2.1.2	5.NBT.6
3-7	1 Day	Partial Quotients Algorithm: 2 Digit Divisors	M05.A-T.2.1.2	5.NBT.6
3-8	1 Day	Division with 2 and 3-Digit Dividends	M05.A-T.2.1.2	5.NBT.6
3-9	1 Day	Division with 3 and 4-Digit Dividends/Reasoning about Decimal Placement	M05.A-T.1.1.2	5.NBT.2
3-10	1 Day	Divide Decimals Dividends by Multiples of 10/Reasoning about	M05.A-T.1.1.2	5.NBT.2

		Decimal Placement		
3-11	1 Day	Use Basic Facts to Approximate Decimal Quotients with 2-Digit Divisors	M05.A-T.1.1.5	5.NBT.4
3-12	1 Day	Divide Decimals while Estimating Quotients	M05.A-T.2.1.2	5.NBT.6
3-13	1 Day	Solve Division Word Problems	M05.A-F.2.1.1	5.NF.3
Total Days: 14				

Unit 4
2016-2017
Scope and Sequence

Unit Number/Title **Measurement and Graphs**	**Approximate Duration of Instruction**	Unit Focus/Math Practices	PA Eligible Content	CCSS
4-1	1 Day	Measurement Conversions	M05.D-M.1.1.1	5.MD.1
4-2	1 Day	Using Multiplication to Express Equivalent Measurements	M05.D-M.1.1.1	5.MD.1
4-3	1 Day	Use Decimal Multiplication to Express Equivalent	M05.D-M.1.1.1, M05.A-T.2.1.3	5.MD.1 5.NBT.7
4-4	1 Day	Measurement and Multi-Digit Multiplication in Two Step Number Stories	M05.D-M.1.1.1 M05.A-F.2.1.1	5.MD.1 5.NF.3
4-5	1 Day	Measurement Conversions	M05.D-M.1.1.1	5.MD.1
4-6	1 Day	Graphs	M05.D-M.2.1.2	
4-7	1 Day	Coordinate Grids	M05.C-G.1.1.1 M05.C-G.1.1.2	5.G.1 5.G.2
4-8	1 Day	Volume of Rectangular Prisms	M05.D-M.3.1.1	5.MD.5
Total Days: 10				

Unit 5
2016-2017
Scope and Sequence

Unit Number/Title **Prime Time**	**Approximate Duration of Instruction**	Unit Focus/Math Practices	PA Eligible Content	CCSS
Problem 2.1	1 Day	Finding Patterns	M05.B-O.2.1.1	5.OA.3
Problem 2.2	1 Day	Reasoning with Even and Odd Numbers	M05.B-O.2.1.1	5.OA.3
Problem 2.3	1 Day	Classifying Numbers	M05.B-O.2.1.1	5.OA.3
Mathematics Reflections	1 Day	Reflections	M05.B-O.2.1.1	5.OA.3
Total Days: 5				

Unit 6
2016-2017
Scope and Sequence

Unit Number/Title **Bits and Pieces II**	**Approximate Duration of Instruction**	Unit Focus/Math Practices	PA Eligible Content	CCSS
Problem 1.1	1 Day	Getting Close: Using Benchmarks	M05.A-F.2.1.3	5.NF.5
Problem 1.2	1 Day	Estimating Sums	M05.A-F.2.1.3	5.NF.5
Mathematical Reflections 1	1 Day	Reflections	M05.A-F.2.1.3	5.NF.5
Problem 2.1	1 Day	Land Sections: Writing Addition and Subtraction Sentences	M05.A-F.1.1.1	5.NF.1 5.NF.2
Problem 2.2	1 Day	Visiting the Spice Shop: Using Addition and Subtraction	M05.A-F.1.1.1	5.NF.1 5.NF.2
Problem 2.3	1 Day	Just the Facts: Fact Families	M05.A-F.1.1.1	5.NF.1 5.NF.2
Problem 2.4	1 Day	Designing Algorithms for Addition and Subtraction	M05.A-F.1.1.1	5.NF.1 5.NF.2
Mathematical Reflections 2	1 Day	Reflections	M05.A-F.1.1.1	5.NF.1 5.NF.2
Assessment	1 Day	Check-Up	M05.A-F.1.1.1	5.NF.1 5.NF.2

Problem 3.1	1 Day	How much of the Pan Have We Sold? A Model for Multiplication	M05.A-F.2.1.2	5.NF.6
Problem 3.2	1 Day	Finding a Part of a Part: Another Model for Multiplication	M05.A-F.2.1.2	5.NF.6
Problem 3.3	1 Day	Modeling More Multiplication Situations	M05.A-F.2.1.2	5.NF.6
Problem 3.4	1 Day	Changing Forms: Multiplication with Mixed Numbers	M05.A-F.2.1.2	5.NF.6
Problem 3.5	1 Day	Writing a Multiplication Algorithm	M05.A-F.2.1.2	5.NF.6
Mathematical Reflections 3	1 Day	Reflection	M05.A-F.2.1.2	5.NF.6
Assessment	1 Day	Partner Quiz	M05.A-F.2.1.2	5.NF.6
Problem 4.1	1 Day	Preparing Food: Dividing a Whole Number by a Fraction	M05.A-F.2.1.1	5.NF.3
Problem 4.2	1 Day	Fundraising Continues: Dividing a Fraction by a Whole Number	M05.A-F.2.1.1	5.NF.3
Problem 4.3	1 Day	Summer Work: Dividing a Fraction by a Fraction	M05.A-F.2.1.1	5.NF.3
Problem 4.4	1 Day	Writing a Division Algorithm	M05.A-F.2.1.1	5.NF.3
Mathematical Reflections 4	1 Day	Reflections	M05.A-F.2.1.1	5.NF.3
Assessment	1 Day	Unit Test		
Total Days: 22				

Unit 7
2016-2017
Scope and Sequence

Unit Number/Title **Shapes and Designs**	**Approximate Duration of Instruction**	Unit Focus/Math Practices	PA Eligible Content	CCSS
Problem 1.1	1 Day	Sorting Shapes: Classifying Polygons	M05.C-G.2.1.1	5.G.4
Problem 1.2	1 Day	Symmetries of Shapes:	M05.C-G.2.1.1	5.G.4

		Symmetry		
Problem 1.3	1 Day	Tiling a Beehive: Tiling with Regular Polygons	M05.C-G.2.1.1	5.G.4
Total Days: 5				