

4th Grade Mathematics Scope and Sequence 2022-2023

First Quarter				Second Quarter	
Unit	Building Mathematical Community Through Real Data	Explore Multiplicative Comparisons, Area & Perimeter, Factors & Multiples	Use Place Value Strategies to Add & Subtract Whole Numbers	Develop Multiplication/Division Strategies	Extend Understanding of Fractions
Instructional Days	2-8 (7)	9-24 (16)	25-44 (19)	47-74 (28)	74-90 (16)
Standards Assessed	NC.4.NBT.4 NC.4.MD.4	NC.4.OA.1 NC.4.OA.3 NC.4.OA.4 NC.4.MD.3	NC.4.OA.3 NC.4.NBT.4 NC.4.NBT.1 NC.4.NBT.7 NC.4.NBT.2	NC.4.OA.1 NC.4.NBT.5 NC.4.OA.3 NC.4.NBT.6 NC.4.NBT.1 NC.4.MD.3	NC.4.NF.1 NC.4.NF.2
Big Ideas on the Elementary Report Card	<ul style="list-style-type: none"> Generate, represent and interpret data. Explore multiplicative comparisons and relationships. Gain familiarity with factors and multiples. Generalize place value understanding for multi-digit whole numbers. Use place value understanding to add and subtract. 			<ul style="list-style-type: none"> Use the area model, partial products and operations with whole numbers to solve problems. Use place value understanding and properties of operations to multiply and divide. Extend understanding of fraction equivalence and ordering. Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers. 	
Assessment Days	7 days Including Quarterly Benchmark Assessment & BOY Star Math Screener			6 days Including Quarterly Benchmark Assessment	

Third Quarter				Fourth Quarter	
Unit	Making Connections to Decimal Notation	Understanding Operations of Fractions & Decimals	Applying Geometric Concepts	Applying Geometric Concepts Continued	Using Place Value to Understand Metric Measurement
Instructional Days	94-104 (11)	105-130 (26)	131-134 (4)	137-147 (11)	148-161 (14)
Standards Assessed	NC.4.NF.6 NC.4.NF.7	NC.4.NF.3 NC.4.NF.4 NC.NF.6	NC.4.G.1 NC.4.G.2	NC.4.G.1 NC.4.G.3 NC.4.G.2 NC.4.MD.6 NC.4.OA.5	NC.4.OA.5 NC.4.MD.2 NC.4.NF.6 NC.4.MD.3 NC.4.NF.7 NC.4.MD.4 NC.4.MD.1 NC.4.MD.8
Big Ideas on the Elementary Report Card	<ul style="list-style-type: none"> Use models, equivalent fractions, and properties of operations to add and subtract fractions. Decompose fractions using visual models Understand decimal notation for fractions, and compare decimal fractions. Addition of decimal problems using equivalence, concrete models and decimals notation. 			<ul style="list-style-type: none"> Draw and identify points, lines and angles, and classify shapes by properties of their lines and angles. Identify, draw and reason about the size of angles. Measure length, mass and volume to gain a value of metric units. Use knowledge of multiplicative comparisons to notice patterns in measurement. Connect and use metric measurement to further develop understanding of decimals. 	
Assessment Days	5 days Including Quarterly Benchmark Assessment & MOY Star Math Screener			2 days Including & EOY Star Math Screener Not including EOGs	

Standards with Limited Opportunity for a Level 4:

NC.4.OA.4, NC.4.OA.5, NC.4.NBT.1, NC.4.NBT.2, NC.4.NBT.7, NC.4.NBT.4,
NC.4.NBT.5, NC.4.NF.2, NC.4.NF.4, NC.4.NF.6, NC.4.NF.7, NC.4.MD.1,
NC.4.MD.2, NC.4.MD.8, NC.4.MD.3, NC.4.G.1, NC.4.G.2