

4th Grade Math at a Glance Document for Parents 2018-2019

First Quarter			Second Quarter		
Unit	Building Mathematical Community Through Real Data	Explore Multiplicative Comparison, Area & Perimeter, Factors & Multiples	Use Place Value Strategies to Add & Subtract Whole Numbers	Develop Multiplication/Division Strategies	Extend Understanding of Fractions
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. 	
Third Quarter			Fourth Quarter		
Unit	Making Connections to Decimal Notation	Understanding Operations of Fractions & Decimals	Applying Geometric Concepts	Using Place Value to Understand Metric Measurement	
Standards Assessed	NC.4.NF.6 NC.4.NF.7	NC.4.NF.3 NC.4.NF.4 NC.NF.6	NC.4.OA.3 NC.4.G.2 NC.4.OA.5 NC.4.G.3 NC.4.G.1 NC.4.MD.6	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. 	