

# North Platte Curriculum Map

Grade: Five

Subject: Math

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Month(s)	Content	Essential Questions	Skills	Assessment	Standards	Resources
<b>August</b>	Procedures, Processes, Management					
<b>September</b>	<p>*Identify, write, and analyze numbers through hundred millions, *Identify, write and analyze numbers through thousandths</p> <p>*Compute, estimate whole numbers, fractions, and decimals utilizing addition, subtraction, multiplication, and division with the inclusion of problem solving strategies: solve a simpler problem and logical reasoning.</p> <p>*Collect, organize, record and interpret data using graphs, charts, and tables</p>		<p>Identify place value Read, write numbers in: Standard form Expanded form Short word form Word form Exponent form Compare and order numbers Round numbers</p> <p>Add whole numbers Estimate sums Solve word problems (+) Subtract whole numbers Estimate differences Solve word problems (-)</p> <p>Read/interpret bar graphs Create bar graphs Read/interpret line graphs Create line graphs</p>	<p>Chapter 1 Test Common Assessment 5.1</p> <p>Chapter 2 Test</p> <p>Chapter 7 Test Common Assessment 5.11</p>	<p>8.1</p> <p>8.2</p> <p>8.5</p>	<p>Chapter 1</p> <p>Chapter 2</p> <p>Chapter 7</p>

<b>September (cont'd)</b>	Graphs (cont'd)		Read/interpret circle graphs Read/interpret charts & tables			
<b>October</b>	*Compute and estimate whole numbers with problem solving  *Classify equations into addition and multiplication properties		Know basic multiplication facts Multiply whole numbers with 1 digit 2 <sup>nd</sup> factors Multiply whole numbers with 2 digit 2 <sup>nd</sup> factors Estimate factors Solve word problems (x)  Classify equations by property: Commutative (+, x) Associative (+, x) Identity (+, x) Zero (x) Distributive (x)	Chapter 3 Test  Chapter 2 Test Chapter 3 Test Common Assessment 5.2	8.2  8.1	Chapter 3  Chapter 2 Chapter 3
<b>November</b>	*Compute and estimate whole numbers with problem solving  *Utilize order of operations to solve equations involving addition, subtraction, multiplication, and division		Know basic division facts Find quotients with 1 digit divisors (with and without remainders) Estimate quotients Solve word problems (÷) Use divisibility shortcuts  Use PEMDAS to solve equations with 2 or more operations	Chapter 4 Test  Chapter 5 Test Common Assessment 5.6	8.2  8.2	Chapter 4  Chapter 5
<b>December</b>	*Compute and estimate whole numbers with problem solving  *Write and solve algebraic expressions with one variable		Find quotients using multiples of 10, 100, 1000 ... Find quotients with 2 digit divisors (with and without remainders) Solve word problems (÷)  Identify variable within an expression Write an expression for a given set of conditions	Chapter 5 Test  Chapters 2-5 Tests	8.2  8.6	Chapter 6  Chapters 2-6

<b>December (cont'd)</b>	Expressions (cont'd)		Complete simple function tables	Common Assessment 5.12		
<b>January</b>	*Compute and estimate decimal numbers with problem solving  *Differentiate between multiples and factors  *Identify patterns of numbers		Add decimals and money to thousandths Subtract decimals and money to thousandths Find products for whole number times a decimal Solve word problems (+, -, x)  List multiples of numbers Identify common multiples Identify LCM List factors of numbers Identify common factors Identify GCF Identify prime and composite numbers  Identify and continue both one and two step pattern sequences	Chapter 11 Test  Chapter 13 Test  Chapter 9 Test Common Assessment 5.3  Common Assessment 5.4	8.2  8.2  8.1	Chapter 11  Chapter 13  Chapter 9
<b>February</b>	* Compute and estimate fractions with problem solving		Convert between proper, improper, and mixed fractions Find equivalent fractions Add fractions with like denominators Add fractions with unlike denominators Subtract fractions with like denominators Subtract fractions with unlike denominators	Chapter 9 Test  Chapter 10 Test	8.2  8.2	Chapter 9  Chapter 10
<b>March</b>	*Compute and estimate whole numbers, decimals, and fractions with the inclusion of problem solving.		Review all operations – especially whole numbers	Chapters 2-5 Tests	8.2	Chapters 2-5

<b>March (cont'd)</b>	*Use a ruler to measure to the nearest $\frac{1}{4}$ and $\frac{1}{8}$ inch and to the nearest millimeter		Measure lines to nearest $\frac{1}{8}$ inch Draw lines to nearest $\frac{1}{8}$ inch Measure lines to nearest millimeter Draw lines to nearest millimeter	Chapter 6 Test Common Assessment 5.7	8.3	Chapter 6
	*Use a thermometer to measure temperature.		Read and write temperatures in Fahrenheit Read and write temperatures in Celsius	Chapter 6 Test Common Assessment 5.8	8.3	Chapter 6
	*Choose appropriate units of measure and convert units within standard and metric measurement systems		Identify and convert units of length, weight, and capacity in both standard and metric systems	Chapter 6 Test Common Assessment 5.9 OAMS 8.3.1	8.1/8.3	Chapter 6
<b>April</b>	*Compute and estimate whole numbers, decimals, and fractions with the inclusion of problem solving		Review all operations, especially decimals and fractions  Review all problem solving strategies	Chapters 9-11 Tests  Common Assessment 5.5 OAMS 5.2.2	8.2	Chapters 9-11
<b>May</b>	*Identify, solve, and apply geometrical concepts of two-dimensional objects in the real world		Identify points, lines, segments, rays, parallel lines, angles, and vertices. Identify sets of lines as parallel, perpendicular, or intersecting. Classify angles by measurement. Identify plane figures by characteristics. Match congruent figures. Identify and draw lines of symmetry. Identify and use formula for perimeter of quadrilaterals. Identify and use formula for area of quadrilaterals. Identify transformations. Apply and construct transformations.	Chapter 15 Test  Common Assessment 5.10	8.4	Chapter 15