

TERM	COMPETENCY/OBJECTIVE	DOK LEVEL	PLD	BLUEPRINT DATA
<b>1<sup>st</sup> Nine Weeks</b> <i>Essential Vocabulary</i> Benchmark Number Calculate Compatible Number Compose Decompose Difference Divisor Dividend Equation Evaluate Expanded Form Expressions Justify	<p><b>Term 1 will have skills from Competency 1 and Competency 2.</b></p> <p><b>1. Analyze relationships among numbers and the four basic operations, compute fluently, and make reasonable estimates.</b></p> <p><b>2. Explain and analyze number relationships and functions using algebraic symbols, and demonstrate an understanding of the properties of the basic operations.</b></p> <p><b>1b. Compose and decompose seven-digit numbers and decimals through thousandths in word, standard, and expanded forms.</b></p> <p><b>1a. Compare and order integers, decimals to the nearest <u>thousandths</u>, like and unlike fractions, and mixed numbers <u>using &gt;, &lt;, and =.</u></b></p> <p><b>1f. Add, subtract, multiply, and divide (with and without remainders) <u>using non-negative rational numbers (whole numbers, decimals, fractions).</u></b></p>			<p>15</p> <p>8</p> <p>Proficient</p> <p>Basic (Order) Proficient (Compare)</p> <p>Proficient</p>



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<b>1<sup>st</sup> Nine Weeks</b> <b>Essential Vocabulary</b>  <b>Hundredths</b>  <b>Inequality</b>  <b>Integer</b>  <b>Inverse</b>  <b>Product</b>  <b>Properties:</b> *Commutative *Associative *Identity *Zero  <b>Quotient</b>  <b>Rational Number</b>  <b>Standard Form</b>  <b>Solution</b>  <b>Variable</b>	<b>1g. Estimate sums, differences, products, and quotients of <u>non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding.</u></b>  <b>2a. Determine the value of variables in equations and inequalities, justifying the process.</b>  <b>2d. Apply inverse operations of addition/subtraction and multiplication/division to problem-solving situations.</b>  <b>2c. Apply the properties of basic operations to solve problems:</b> <ul style="list-style-type: none"> <li>• <b><u>Zero property of multiplication</u></b></li> <li>• <b><u>Commutative properties of addition and multiplication</u></b></li> <li>• <b><u>Associative properties of addition and multiplication</u></b></li> <li>• <b>Distributive properties of multiplication over addition and subtraction</b></li> <li>• <b><u>Identity properties of addition and multiplication</u></b></li> </ul>	<b>2</b>  <b>2</b>  <b>2</b>  <b>2</b>	<b>Proficient</b>  <b>Proficient</b>  <b>Proficient</b>  <b>Proficient</b>	

Regular Text: Introduction of objective  
 Italicized Text: Review  
 Underlined Text: Focus of objective



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<b>1<sup>st</sup> Nine Weeks</b> <u>Essential Vocabulary</u>  Word Form	<b>1g. <u>Estimate sums, differences, products, and quotients of non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding.</u></b>	2	Proficient	
	<b>1f. <u>Add, subtract, multiply, and divide (with and without remainders) using non-negative rational numbers.(whole numbers, decimals, fractions.)</u></b>	1	Proficient	
	<b><i>1b. Compose and decompose seven-digit numbers and decimals through thousandths in word, standard, and expanded forms.</i></b>	1	Proficient	
	<b><i>2a. Determine the value of variables in equations and inequalities, justifying the process.</i></b>	2	Proficient	
	<b><i>2d. Apply inverse operations of addition/subtraction and multiplication/division to problem-solving situations.</i></b>	2	Proficient	
	<b>1f. <u>Add, subtract, multiply, and divide (with and without remainders) using non-negative rational numbers.(whole numbers, decimals, fractions.)</u></b>	1	Proficient	

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1 <sup>st</sup> Nine Weeks	<b>1g. <u>Estimate sums, differences, products, and quotients of non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding.</u></b>	2	Proficient	
<b>First Term District Testing</b>				
2 <sup>nd</sup> Nine Weeks <u>Essential Vocabulary</u>  Composite Number  Convert  Decimal Number  Distributive Property  Equivalent Factors  Improper Fraction	<b>Term 2 will have skills from Competency 1 and Competency 2.</b>  <b>1. Analyze relationships among numbers and the four basic operations, compute fluently, and make reasonable estimates.</b>  <b>2. Explain and analyze number relationships and functions using algebraic symbols, and demonstrate an understanding of the properties of the basic operations.</b>			15           8
	<b>1c. Identify factors and multiples of whole numbers.</b>	1	Basic	
	<b>1d. Model and distinguish between prime and composite numbers.</b>	1	Basic (Distinguish) Proficient (Model)	

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2 <sup>nd</sup> Weeks <u>Essential Vocabulary</u>	<i>2a. Determine the value of variables in equations and inequalities, justifying the process.</i>	2	Proficient	
Lowest Terms	<i>2d. Apply inverse operations of addition/subtraction and multiplication/division to problem-solving situations.</i>	2	Proficient	
Mixed Numeral Model Multiples	<i>1f. Add, subtract, multiply, and <u>divide (with and without remainders) using non-negative rational numbers.</u>(whole numbers, decimals, fractions)</i>	1	Proficient	
Prime Number Prime Factorization	<i>1g. <u>Estimate sums, differences, products, and quotients of non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding.</u></i>	2	Proficient	
Proper Fraction Reduce Simplify	<i>2c. Apply the properties of basic operations to solve problems:</i> <ul style="list-style-type: none"> <li>• <i>Zero property of multiplication</i></li> <li>• <i>Commutative properties of addition and multiplication</i></li> <li>• <i>Associative properties of addition and multiplication</i></li> <li>• <i><u>Distributive properties of multiplication over addition and subtraction</u></i></li> <li>• <i>Identity properties of addition and multiplication</i></li> </ul>	2	Proficient	

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2 <sup>nd</sup> Nine Weeks	<i>1f. <u>Add, subtract, multiply, and divide (with and without remainders) using non-negative rational numbers. (whole numbers, decimals, fractions).</u></i>	1	Proficient	
	<i>1f. <u>Add, subtract, multiply, and divide (with and without remainders) using non-negative rational numbers. (whole numbers, <u>decimals</u>, fractions)</u></i>	1	Proficient	
	<i>1g. <u>Estimate sums, differences, products, and quotients of non-negative rational numbers to include strategies such as front-end rounding, benchmark numbers, compatible numbers, and rounding.</u></i>	2	Proficient	
	<b>1e. Model and identify equivalent fractions including conversion of improper fractions to mixed numbers and vice versa.</b>	1	Basic (Identify) Proficient (Model)	
	<b>1a. <u>Compare and order integers, decimals to the nearest thousandths, like and unlike fractions, and mixed numbers using &gt;, &lt;, and =.</u></b>	1	Basic (Order) Proficient (Compare)	
	<b>First Semester District Testing</b>			

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<b>3<sup>rd</sup> Nine Weeks</b> <u>Essential Vocabulary</u> Area Convert Conversion Devise Denominator <u>English Units</u> *Length ** inches ** feet ** yards *Capacity ** gallons ** quarts ** pints ** cups ** fluid ounces *Mass (Weight) ** ounces ** pounds ** tons Formula	<b>Term 3 will have skills from Competency 1 and Competency 2, and Competency 4.</b>  <b>1. Analyze relationships among numbers and the four basic operations, compute fluently, and make reasonable estimates.</b>			15
	<b>2. Explain and analyze number relationships and functions using algebraic symbols, and demonstrate an understanding of the properties of the basic operations.</b>			8
	<b>4. Develop concepts and apply appropriate tools and techniques to determine units of measure.</b>			9
	<b>1f. <u>Add, subtract, multiply, and divide (with and without remainders) using non-negative rational numbers (whole numbers, decimals, fractions)</u></b>	1	Proficient	
	<b>1c. <i>Identify factors and multiples of whole numbers.</i></b>	1	Basic	
	<b>1f. <u>Add, subtract, multiply, and divide (with and without remainders) using non-negative numbers (whole numbers, decimals, fractions).</u></b>	1	Proficient	

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<b>3<sup>rd</sup> Nine Weeks</b> <u>Essential Vocabulary</u>  Function Table <ul style="list-style-type: none"> <li>• Rule</li> <li>• Input</li> <li>• Output</li> </ul> Metric Units *Length ** millimeter ** centimeter ** meter ** kilometer *Capacity ** milliliter ** liter ** kiloliter *Mass ** milligram ** gram ** kilogram  Numerator  Parallelogram  Perimeter	<i>2a. Determine the value of variables in equations and inequalities, justifying the process.</i>	2	Proficient	
	<i>2d. Apply inverse operations of addition/subtraction and multiplication/division to problem-solving situations.</i>	2	Proficient	
	<b>4a. Estimate and measure length to the nearest millimeter in the metric system and one-sixteenth inch in the English system.</b>	2	Basic (Measure) Proficient (Estimate)	
	<b>4c. Develop, compare, and use formulas to estimate and calculate the perimeter and areas of rectangles, triangles, and parallelograms.</b>	2	Basic (Use) Proficient (Develop and Compare)	
	<b>4d. Select and apply appropriate units for measuring length, mass, volume, and temperature in the standard (English and metric) systems.</b>	1	Basic (Select) Proficient (Apply)	
	<b>4b. Convert units within a given measurement system to include length, weight/mass, and volume.</b>	1	Basic	
	<i>2a. Determine the value of variables in equations and inequalities, justifying the process.</i>	2	Proficient	



TERM	COMPETENCY/OBJECTIVE	DOK LEVEL	PLD	BLUEPRINT DATA
<b>3<sup>rd</sup> Nine Weeks</b>  <u>Essential Vocabulary</u>  Triangles  Volume	<i>2d. Apply inverse operations of addition/subtraction and multiplication/division to problem-solving situations.</i>	2	Proficient	
	<b>2b. Devise a rule for an input/output function table describing it in words and symbols.</b>	2	Proficient	
	<b>1e. Model and identify equivalent fractions including conversion of improper fractions to mixed numbers vice versa.</b>	1	Basic (Identify) Proficient (Model)	
	<b>Third Term District Testing</b>			

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<b>4<sup>th</sup> Nine Weeks</b> <u>Essential Vocabulary</u>  Analyze  Charts/Graphs: <ul style="list-style-type: none"> <li>• Line graph</li> <li>• Histogram</li> <li>• Stem - and - leaf plot</li> <li>• Box - and - Whiskers</li> </ul> Coordinate Plane -x- axis -y-axis Quadrants (I, II, III, IV) - coordinates -ordered pairs  Interpret  Interval  Line of Symmetry	<b>Term 4 will have skills from Competency 2, Competency 3 and Competency 5.</b>			<b>8</b>
	<b>2. Explain and analyze number relationships and functions using algebraic symbols, and demonstrate an understanding of the properties of the basic operations.</b>			<b>10</b>
	<b>3. Develop mathematical arguments about geometric relationships and describe spatial relationships using coordinate geometry.</b>			<b>8</b>
	<b>5. Interpret and analyze data and make predictions.</b>			
	<b>3e. Label ordered pairs in the coordinate plane.</b>	<b>1</b>	<b>Basic</b>	
<b>3b. Explain the relationship between coordinates in each quadrant of the coordinate plane.</b>	<b>2</b>	<b>Proficient</b>		
<b>5b. Compare data and interpret quantities represented on tables and graphs, including line graphs, stem-and leaf plots, histograms, and box and whisker plots to make predictions, and solve problems based on the information.</b>	<b>2</b>	<b>Basic (Compare) Proficient (Interpret)</b>		
<b>5a. Use the mean, median, mode, and range to analyze a data set.</b>	<b>2</b>	<b>Proficient</b>		



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<b>4<sup>th</sup> Nine Weeks</b> <u>Essential Vocabulary</u> <b>Polygons</b> *Regular * Irregular  <b>Predict</b>  <b>Properties of Shapes and Figures:</b> <b>Quadrilateral</b> Trapezoid Rhombus Rectangle Square Parallelogram <b>Prisms:</b> Edges Faces Vertices  <b>Scale</b>  <b>Statistics:</b> • Mean • Median • Mode • Range	<b>3c. Describe the characteristics, including the relationship of the pre-image and the image, of each type of transformation (rotations [turns], reflections [flips], and translations [slides] of two-dimensional figures.</b>	2	Proficient	
	<b>3d. Construct and analyze two- and three-dimensional shapes to solve problems involving congruence and symmetry.</b>	3	Proficient	
	<b>3a. Analyze and describe the characteristics of symmetry relative to classes of polygons (parallelograms, triangles, etc.)</b>	2	Basic (Describe) Proficient (Analyze)	
	<i>5b. Compare data and interpret quantities represented on tables and graphs, including line graphs, stem-and leaf plots, histograms, and box and whisker plots to make predictions, and solve problems based on the information.</i>	2	Basic (Compare) Proficient (Interpret)	
	<i>5a. Use the mean, median, mode, and range to analyze a data set.</i>	2	Proficient	
	<i>2a. Determine the value of variables in equations and inequalities, justifying the process.</i>	2	Proficient	
	<i>2b. Devise a rule for an input/output function table describing it in words and symbols.</i>	2	Proficient	

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<b>4<sup>th</sup> Nine Weeks</b> <u>Essential Vocabulary</u>  Types of : <b>**triangle</b> <b>Acute</b> <b>Scalene</b> <b>Isosceles</b> <b>Equilateral</b> <b>Right</b> <b>Obtuse</b>	<i>2d. Apply inverse operations of addition/subtraction and multiplication/division to problem-solving situations.</i>	<b>2</b>	<b>Proficient</b>	
	<b>Second Semester District Testing</b>			

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