



TERM	COMPETENCY/OBJECTIVE	DOK LEVEL	PLD	BLUEPRINT DATA
<b>1<sup>st</sup> Nine Weeks</b> <u>Essential Vocabulary</u> Addend Analyze Calculate Difference Estimate (about) Expanded Form Expressions Evaluate Fact Family Factors Generate Justify Hundredths Inverse Operations Multiples Number sentence Pattern	<b>Term 1 will have skills from Competency 1 and Competency 2.</b>  <b>1. Understand relationships among numbers, use the four basic operations, compute fluently, and make reasonable estimates.</b>  <b>2. Analyze and represent patterns, number relationships, and functions using algebraic symbols. Demonstrate an understanding of the properties of the basic operations.</b>			<p style="text-align: center;">16</p> <p style="text-align: center;">7</p>
	<b>1j) <u>Compose and decompose five-digit numbers and decimal numbers through hundredths, with representations in words, physical models, and expanded and standard forms.</u></b>	1	Proficient	
	<b>1k) <u>Determine and use benchmark numbers such as 0, 0.5 (1/2), and 1 to judge the magnitude of whole numbers, decimals, and fractions.</u></b>	2	Basic (Use) Proficient (Determine)	
	<b>2a) Analyze a given numeric pattern and generate a similar pattern.</b>	2	Proficient	
	<b>1a) Add and subtract up to five-digit whole numbers with and without regrouping.</b>	1	Proficient	

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>  Product  Properties by definition: <ul style="list-style-type: none"> <li>• Commutative Property</li> <li>• Associative Property</li> <li>• Identity Property</li> <li>• Zero Property</li> <li>• Distributive Property</li> </ul> Quotient  Solution  Standard Form  Sum  Tenths  Value  Variable  Word Form  Whole numbers	<b>2d) Explain the properties of the basic operations using models, numbers, and variables:</b> <ul style="list-style-type: none"> <li>• Zero property of multiplication</li> <li>• Associate properties of addition and multiplication</li> <li>• Commutative properties of addition and multiplication</li> <li>• Identity properties of addition and multiplication</li> <li>• Distributive properties of multiplication over addition and subtraction</li> </ul>	<b>2</b>	<b>Proficient</b>	
	<b>1i) Model factors and multiples of whole numbers.</b>	<b>1</b>	<b>Proficient</b>	
	<b><i>2a) Analyze a given numeric pattern and generate a similar pattern.</i></b>	<b>2</b>	<b>Proficient</b>	
	<b><i>2d) Explain the properties of the basic operations using models, numbers, and variables:</i></b> <ul style="list-style-type: none"> <li>• <i>Zero property of multiplication</i></li> <li>• <i>Associate properties of addition and multiplication</i></li> <li>• <i>Commutative properties of addition and multiplication</i></li> <li>• <i>Identity properties of addition and multiplication</i></li> <li>• <i>Distributive properties of multiplication over addition and subtraction</i></li> </ul>	<b>2</b>	<b>Proficient</b>	
	<b>1i) Recall multiplication and division facts.</b>	<b>1</b>	<b>Basic</b>	

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1 <sup>st</sup> Nine Weeks	2e) <b>Demonstrate and explain the inverse operations of addition/subtraction and multiplication/division.</b>	2	Basic (Demonstrate) Proficient (Explain)	
	<i>1i) Recall multiplication and division facts.</i>	1	Basic	
	1c) <u>Explain two or more methods of multiplying whole numbers (one- and two-digits) with justification.</u>	2	Proficient	
	1h) <u>Estimate products and quotients of whole numbers to include strategies such as rounding.</u>	2	Proficient	
	<b>First Term District Testing</b>			

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<p><b>2<sup>nd</sup> Nine Weeks</b>  <b><u>Essential Vocabulary</u></b></p> <p>Angle            * acute            * obtuse            * right</p> <p>Dividend</p> <p>Divisors</p> <p>Edges</p> <p>Faces</p> <p>Function Table            • Rule            • Input/ Output</p> <p>Intersecting lines</p> <p>Parallel lines</p> <p>Perpendicular Lines</p> <p>Plane</p>	<p><b>Term 2 will have skills from Competency 1, Competency 2, Competency 3, and Competency 4.</b></p> <p><b>1. Understand relationships among numbers, use the four basic operations, compute fluently, and make reasonable estimates.</b></p> <p><b>2. Analyze and represent patterns, number relationships, and functions using algebraic symbols. Demonstrate an understanding of the properties of the basic operations.</b></p> <p><b>3. Analyze characteristics, properties, and relationships of two- and three dimensional geometric shapes. Use geometric shapes. Use coordinate geometry.</b></p> <p><b>4. Evaluate and justify measurable attributes of objects, units, systems, and processes. Perform measurements.</b></p>			<p>16</p> <p>7</p> <p>7</p> <p>8</p>
	<p><b><i>1c) <u>Explain two or more methods of multiplying whole numbers (one- and two-digits) with justification.</u></i></b></p>	2	Proficient	
	<p><b><i>2a) Analyze a given numeric pattern and generate a similar pattern.</i></b></p>	2	Proficient	

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<b>2<sup>nd</sup> Nine Weeks</b> <b>Essential Vocabulary</b>  <b>Point</b>  <b>Ray</b>  <b>Remainder</b>  <b>Segment</b>  <b>Three-Dimensional Figures (Solid Figure):</b> <b>Properties and Shapes:</b> <ul style="list-style-type: none"> <li>• Pyramid</li> <li>• Cylinder</li> <li>• Cone</li> <li>• Sphere</li> <li>• Prism</li> </ul>	<b>2c) Construct input/output function tables and generalize the rule using words, models, and symbols.</b>	<b>3</b>	<b>Proficient</b>	
	<i>2a) Analyze a given numeric pattern and generate a similar pattern.</i>	<b>2</b>	<b>Proficient</b>	
	<i>1h) <u>Estimate products and quotients of whole numbers to include strategies such as rounding.</u></i>	<b>2</b>	<b>Proficient</b>	
	<b>1c) Explain two or more methods of multiplying whole numbers (one- and two-digits) with justification</b>	<b>2</b>	<b>Proficient</b>	
	<i>2a) Analyze a given numeric pattern and generate a similar pattern.</i>	<b>2</b>	<b>Proficient</b>	
	<b>1h) Estimate products and quotients of whole numbers to include strategies such as rounding.</b>	<b>2</b>	<b>Proficient</b>	
	<b>1d) Explain two or more methods of dividing four digit dividends by one-and two digit divisors, with and without remainders, and justify the process.</b>	<b>2</b>	<b>Proficient</b>	
	<i>1l) Model factors and multiples of whole numbers.</i>	<b>1</b>	<b>Proficient</b>	

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<p><b>2<sup>nd</sup> Nine Weeks</b> <b><u>Essential Vocabulary</u></b></p> <p><b><u>Two-Dimensional Figures:</u></b> Properties and shapes:</p> <ul style="list-style-type: none"> <li>• Trapezoid</li> <li>• Parallelogram</li> <li>• Rectangle</li> <li>• Rhombus</li> <li>• Square</li> <li>• Triangle</li> <li>• Quadrilateral</li> <li>• Pentagon</li> <li>• Hexagon</li> <li>• Octagon</li> </ul> <p>Vertices</p>	<p><b>3b) Identify and analyze the relationships between and among points, lines, line segments, angles, and rays.</b></p>	2	<p>Basic (Identify)</p> <p>Proficient (Analyze)</p>	
	<p><b>4d) <u>Use appropriate tools to determine, estimate, and compare units for measurement of weight/mass, area, size of angle, temperature, length, distance, and volume in English and metric systems and time in real-life situations.</u></b></p>	1	<p>Basic (Determine)</p> <p>Proficient (Estimate and Compare)</p>	
	<p><b>3a) Analyze and describe the similarities and differences between and among two- and three-dimensional geometric shapes, figures, and models using mathematical language.</b></p>	2	<p>Proficient</p>	
	<p><b>First Semester District Testing</b></p>			

TERM	COMPETENCY/OBJECTIVE	DOK LEVEL	PLD	BLUEPRINT DATA
<p><b>3<sup>rd</sup> Nine Weeks</b>  <u>Essential Vocabulary</u>            Area            Convert            Decimal Numbers            Denominator            Equivalent            English/ Customary Units:  <ul style="list-style-type: none"> <li>• Length</li> <li>• Weight</li> <li>• Capacity</li> </ul>           Fractions  <ul style="list-style-type: none"> <li>• Simplest Form</li> <li>• Reduce</li> <li>• Lowest Terms</li> <li>• Simplify</li> </ul>           Mass</p>	<p><b>Term 3 will have skills from Competency 1, Competency 2, Competency 3, and Competency 4.</b></p> <p><b>1. Understand relationships among numbers, use the four basic operations, compute fluently, and make reasonable estimates.</b></p> <p><b>2. Analyze and represent patterns, number relationships, and functions using algebraic symbols. Demonstrate an understanding of the properties of the basic operations.</b></p> <p><b>3. Analyze characteristics, properties, and relationships of two- and three dimensional geometric shapes. Use geometric shapes. Use coordinate geometry.</b></p> <p><b>4. Evaluate and justify measurable attributes of objects, units, systems, and processes. Perform measurements.</b></p>			<p style="text-align: center;"><b>16</b></p> <p style="text-align: center;"><b>7</b></p> <p style="text-align: center;"><b>7</b></p> <p style="text-align: center;"><b>8</b></p>
	<p><b>1f) Model and identify equivalent fractions.</b></p>	<b>2</b>	<b>Basic (Identify) Proficient (Model)</b>	

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<b>3<sup>rd</sup> Nine Weeks</b> <u>Essential Vocabulary</u>  Metric Units: • Meter • Liter • Gram  Mass  Mixed Numerals  Numerator  Perimeter  Volume	<b>1k) <u>Determine and use benchmark numbers such as 0, 0.5 (1/2), and 1 to judge the magnitude of whole numbers, decimals, and fractions.</u></b>	2	Basic (Use) Proficient (Determine)	
	<b>1e) Add and subtract fractions with like denominators.</b>	1	Proficient	
	<b>1j) <u>Compose and decompose five-digit numbers and decimal numbers through hundredths, with representations in words, physical models, and expanded and standard forms.</u></b>	1	Proficient	
	<b>1g) Represent equivalence relationships between fractions and decimals using concrete materials, diagrams, or other models.</b>	1	Proficient	
	<b>1k) <u>Determine and use benchmark numbers such as 0, 0.5 (1/2), and 1 to judge the magnitude of whole numbers, decimals, and fractions.</u> (DOK 2)</b>	2	Basic (Use) Proficient (Determine)	
	<b>1b) Add and subtract decimals through hundredths.</b>	1	Proficient	



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3 <sup>rd</sup> Nine Weeks	<b><u>4d) Use appropriate tools to determine, estimate, and compare units for measurement of weight/mass, area, size of angle, temperature, length, distance, and volume in English and metric systems and time in real-life situations.</u></b>	1	Basic (Determine) Proficient (Estimate and Compare)	
	<b>4c) Describe relationships of rectangular area to numerical multiplication.</b>	2	Proficient	
	<b><i>2a) Analyze a given numeric pattern and generate a similar pattern.</i></b>	2	Proficient	
	<b><i>3a) Analyze and describe the similarities and differences between and among two- and three-dimensional geometric shapes, figures, and models using mathematical language.</i></b>	2	Proficient	
	<b><u>4d) Use appropriate tools to determine, estimate, and compare units for measurement of weight/mass, area, size of angle, temperature, length, distance, and volume in English and metric systems and time in real-life situations.</u></b>	1	Basic (Determine) Proficient (Estimate and Compare)	
	<b><i>2a) Analyze a given numeric pattern and generate a similar pattern.</i></b>	2	Proficient	

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3 <sup>rd</sup> Nine Weeks	4d) <u>Use appropriate tools to determine, estimate, and compare units for measurement of weight/mass, area, size of angle, temperature, length, distance, and volume in English and metric systems and time in real-life situations.</u>	1	Basic (Determine) Proficient (Estimate and Compare)	
	4a) Estimate and measure a given object to the nearest eighth of an inch.	2	Basic (Measure)  Proficient (Estimate)	
	4b) Convert capacity, weight/mass, and length within the English and metric systems of measurement.	1	Proficient	
	<b>Third Term District Testing</b>			

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<b>4<sup>th</sup> Nine Weeks</b> <u>Essential Vocabulary</u>  Charts/Graphs: <ul style="list-style-type: none"> <li>• Line graph</li> <li>• Bar graph</li> <li>• Stem - and - leaf plot</li> <li>• Frequency table</li> </ul> Coordinates  Coordinate Plane  Equation  Interval  Ordered Pairs	<b>Term 4 will have skills from Competency 1, Competency 2, Competency 3, Competency 4, and Competency 5.</b>			16
	<b>1. Understand relationships among numbers, use the four basic operations, compute fluently, and make reasonable estimates.</b>			7
	<b>2. Analyze and represent patterns, number relationships, and functions using algebraic symbols. Demonstrate an understanding of the properties of the basic operations.</b>			7
	<b>3. Analyze characteristics, properties, and relationships of two- and three dimensional geometric shapes. Use geometric shapes. Use coordinate geometry.</b>			8
	<b>4. Evaluate and justify measurable attributes of objects, units, systems, and processes. Perform measurements.</b>			7
5. Formulate and analyze data. Evaluate inferences and prediction.				
Quadrant I  Scale	<b>4d) <u>Use appropriate tools to determine, estimate, and compare units for measurement of weight/mass, area, size of angle, temperature, length, distance, and volume in English and metric systems and time in real-life situations.</u></b>	1	<b>Basic (Determine) Proficient (Estimate and Compare)</b>	

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<b>4<sup>th</sup> Nine Weeks</b> <u>Essential Vocabulary</u>  Statistics: <ul style="list-style-type: none"> <li>• Mean</li> <li>• Median</li> <li>• Mode</li> <li>• Range</li> <li>• Interpret</li> <li>• Predict</li> <li>• Inferences</li> </ul> Transformations <ul style="list-style-type: none"> <li>• Rotation</li> <li>• Reflection</li> <li>• Translation</li> </ul> Variable	<i>2e) Demonstrate and explain the inverse operations of addition/subtraction and multiplication/division.</i>	<b>2</b>	<b>Basic (Demonstrate)</b>  <b>Proficient (Explain)</b>	
	<b>5c) Compare data and interpret quantities represented on tables and graphs including line graphs, bar graphs, frequency tables, and stem-and-leaf plots to make predictions and solve problems based on the information.</b>	<b>3</b>	<b>Proficient</b>	
	<b>3d) Locate ordered pairs in the first quadrant in the coordinate plane.</b>	<b>1</b>	<b>Proficient</b>	
	<b>5b) Find and interpret the mean, median, mode, and range of a set of data.</b>	<b>1</b>	<b>Basic (Find)</b>  <b>Proficient (Interpret)</b>	
	<i>1k) Determine and use benchmark numbers such as 0, 0.5 (1/2), and 1 to judge the magnitude of whole numbers, decimals, and fractions.</i>	<b>2</b>	<b>Basic (Use)</b>  <b>Proficient (Determine)</b>	

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4 <sup>th</sup> Nine Weeks	5a) Draw, label, and interpret bar graphs, line graphs, and stem-and-leaf plots.	2	Basic (Draw & Label)  Proficient (Interpret)	
	2b) Determine the value of variables in equations; justify the process used to make the determination.	2	Proficient	
	<i>2e) Demonstrate and explain the inverse operations of addition/subtraction and multiplication/division.</i>	2	Basic (Demonstrate)  Proficient (Explain)	
	<i>3a) Analyze and describe the similarities and differences between and among two- and three-dimensional geometric shapes, figures, and models using mathematical language.</i>	2	Proficient	
	3c) Identify transformations (rotations [turns], reflections [flips], and translations [slides]) of two-dimensional figures.	1	Proficient	

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4 <sup>th</sup> Nine Weeks	<i>5c) Compare data and interpret quantities represented on tables and graphs including line graphs, bar graphs, frequency tables, and stem-and-leaf plots to make predictions and solve problems based on the information.</i>	3	Proficient	
	<i>3c) Identify transformations (rotations [turns], reflections [flips], and translations [slides]) of two-dimensional figures.</i>	1	Proficient	
	<i>5a) Draw, label, and interpret bar graphs, line graphs, and stem-and-leaf plots.</i>	2	Basic (Draw & Label)  Proficient (Interpret)	
	<i>5b) Find and interpret the mean, median, mode, and range of a set of data.</i>	1	Basic (Find)  Proficient (Interpret)	
	<i>4d) Use appropriate tools to determine, estimate, and compare units for measurement of weight/mass, area, size of angle, temperature, length, distance, and volume in English and metric systems and time in real-life situations.</i>	1	Basic (Determine) Proficient (Estimate and Compare)	

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	<b>Second Semester District Testing</b>			

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