

	<b>UNITS OR THEMES</b>	<b>INSTRUCTIONAL STRATEGIES, SIGNIFICANT ACTIVITIES</b>	<b>FORMS OF ASSESSMENT</b>	<b>Learning Outcomes</b>
<b>QUARTER 1</b>	<p><b>Numeration</b></p> <ul style="list-style-type: none"> <li>- Place value of whole numbers and decimals</li> <li>- Comparing and ordering whole numbers and decimals</li> <li>- PSS – look for a pattern</li> <li>- Technology – use a calculator</li> </ul> <p><b>Addition and Subtraction</b></p> <p>Addition properties</p> <ul style="list-style-type: none"> <li>- Estimation of whole number and decimal sums and differences</li> <li>- Mental math strategies</li> <li>- number patterns</li> <li>- Technology - calculator</li> </ul> <p><b>Multiplication</b></p> <ul style="list-style-type: none"> <li>- Properties of multiplication</li> <li>- Mental math strategies</li> <li>- Estimation</li> <li>- Computing products</li> <li>- Exponents</li> <li>- PSS draw picture/write an equation</li> </ul>	<ul style="list-style-type: none"> <li>- Visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Homework</li> <li>- Games</li> <li>- Differentiation</li> </ul> <ul style="list-style-type: none"> <li>- Visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Homework</li> <li>- Base ten blocks</li> <li>- Games</li> <li>- Differentiation</li> </ul> <ul style="list-style-type: none"> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> </ul> <ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> </ul> <ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- Read &amp; write #'s thousandths to millions in standard, word and expanded forms</li> <li>- Compare and order numbers</li> <li>- Understand place value relationships and values</li> <li>- Round whole numbers and decimals</li> <li>- Look for a pattern</li> </ul> <ul style="list-style-type: none"> <li>- Understand and apply addition properties</li> <li>- Estimate and find whole number sums and differences</li> <li>- Use mental math strategies to find sums and differences</li> <li>- Find number patterns</li> <li>- Draw a picture/write an equation</li> <li>- Use calculator to find a difference</li> </ul> <ul style="list-style-type: none"> <li>- Understand &amp; apply properties of multiplication</li> <li>- Use mental math strategies to find products</li> <li>- Use rounding and compatible numbers to estimate products</li> <li>- Find products with 3 digit factors</li> <li>- Understand and write numbers as exponents</li> <li>- Draw a picture/write an equation                             <ul style="list-style-type: none"> <li>- writing to communicate</li> <li>- self reflection and evaluation</li> </ul> </li> </ul>

	UNITS OR THEMES	INSTRUCTIONAL STRATEGIES	FORMS OF ASSESSMENT	LEARNING OUTCOMES
<b>Quarter 2</b>	<b>Division</b> Single digit <ul style="list-style-type: none"> <li>- mental math strategies</li> <li>- multiples of 10, 100</li> <li>- estimating quotients</li> <li>- using models (money)</li> <li>- computing quotients</li> <li>- understanding divisibility and factors</li> <li>- prime and composite numbers</li> <li>- PSS – draw a picture</li> <li>- Technology – calculator</li> </ul>	<ul style="list-style-type: none"> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- Apply mental math strategies</li> <li>- Use rounding, compatible numbers to estimate</li> <li>- Interpret remainders</li> <li>- Modeling division using money</li> <li>- Algebra - Completing a number sentence</li> <li>- Find quotients with single digit divisors</li> <li>- Use a calculator to find a quotient, remainder</li> <li>- Use divisibility rules to find factors</li> <li>- Finding prime factorization of a number</li> <li>- Solving problems by drawing a picture</li> </ul>
	2 digit <ul style="list-style-type: none"> <li>- patterns in division</li> <li>- Estimating quotients</li> <li>- Multistep problems</li> <li>- Dividing by multiples of 10</li> <li>- One and two digit quotients</li> <li>- Computing quotients with 2 digit divisors</li> <li>- Solving problems with missing or extra information</li> </ul>	<ul style="list-style-type: none"> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- Use patterns to find quotients</li> <li>- Use compatible numbers to find quotients</li> <li>- Solve multistep problems</li> <li>- Compute quotients with 2-digit divisors</li> <li>- Algebra – complete table using a pattern</li> <li>- Solve problems with extra/missing information</li> </ul>
	<b>Variables and Expressions</b> <ul style="list-style-type: none"> <li>- translating words to expressions</li> <li>- using patterns to show relationships</li> <li>- evaluating expressions with variables</li> <li>- distributive property in expressions</li> <li>- order of operations</li> </ul>	<ul style="list-style-type: none"> <li>- visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- Translate words into expressions</li> <li>- Use patterns to show relationships</li> <li>- Write and evaluate expressions with variables</li> <li>- Use the distributive property to write expressions and solve equations</li> <li>- Evaluate an expression with more than one operation</li> </ul>

	UNITS OR THEMES	INSTRUCTIONAL STRATEGIES	FORMS OF ASSESSMENT	STANDARDS
<b>Quarter 3</b>	<b>Shapes</b> Points, Lines, Angles Polygons Triangles – properties, types Quadrilaterals – properties, types	<ul style="list-style-type: none"> <li>- Visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> <li>- Geometer sketchpad computer program</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> <li>- Geo-sketchpad activities</li> </ul>	<ul style="list-style-type: none"> <li>- use geometric terms to describe locations and parts of space</li> <li>- measure, draw and classify angles</li> <li>- identify and classify polygons, triangles and quadrilaterals</li> <li>- make generalizations</li> </ul>
	<b>Fractions and Decimals</b> Mixed numbers and improper fractions Equivalent fractions Comparing and ordering Simplest form Fractions and decimals	<ul style="list-style-type: none"> <li>- Visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- identify and show fractional parts of regions and sets</li> <li>- model fractions by dividing into equal parts</li> <li>- express numbers greater than 1 as mixed number or improper fraction</li> <li>- identify and find equivalent fractions</li> <li>- Compare and order fractions and mixed numbers</li> <li>- Determine factors and greatest CF</li> <li>- Identify and find simplest form</li> <li>- Represent decimals through 1,000ths as fractions</li> <li>- Label fractions and decimals on a number line</li> </ul>
	<b>Adding and Subtracting Fractions and Mixed numbers</b> Add/subtract like denominators Fractions and equations <b>Common multiples</b> Subtract unlike denominators Add/Subtract mixed numbers PSS – Try, check and revise	<ul style="list-style-type: none"> <li>- Visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- add/subtract with like denominators</li> <li>- find missing fraction in an equation</li> <li>- find common multiples and LCM</li> <li>- add fractions with unlike denominators</li> <li>- subtract fractions with unlike denominators</li> <li>- add and subtract mixed numbers</li> <li>- PSS – use 3 steps – try, check revise</li> </ul>
	<b>Multiplying Fractions and Mixed numbers</b> Multiply fractions and whole numbers Multiply 2 fractions Multiply mixed numbers Relate division to multiplication of fractions PSS – Draw a picture, write an equation	<ul style="list-style-type: none"> <li>- Visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- multiply a fraction by a whole number</li> <li>- multiply 2 fractions</li> <li>- multiply mixed numbers</li> <li>- divide whole numbers by fractions</li> <li>- PSS – draw a picture, write an equation</li> </ul>

	UNITS OR THEMES	INSTRUCTIONAL STRATEGIES	FORMS OF ASSESSMENT	STANDARDS
<b>Quarter 4</b>	Graphs and Data Data from surveys Bar, picture and line graphs Stem and leaf plots Histograms Mean, Median, mode and range PSS – Make a graph	<ul style="list-style-type: none"> <li>- Visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers</li> <li>- Writing</li> <li>- Created graphs</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- display data collected in a survey</li> <li>- create and interpret bar graphs</li> <li>- represent data on a line graph</li> <li>- read a stem and leaf plot</li> <li>- create and interpret histograms</li> <li>- use fractions and percent to create circle graph</li> <li>- find the mean of a set of data</li> <li>- find medial, mode, range of data sets</li> <li>- use graphs in problem solving</li> </ul>
	Perimeter and Area Using customary and metric units of length Perimeter Area of square and rectangle Area of parallelogram Area of a triangle Circle and circumference PSS – Draw a picture, Make an organized list	<ul style="list-style-type: none"> <li>- Visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Create models/drawings</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers/games</li> <li>- Writing</li> <li>- Test</li> </ul>	<ul style="list-style-type: none"> <li>- use fractions on a ruler to measure objects in customary units</li> <li>- choose appropriate metric units to measure length</li> <li>- find the perimeter of polygons</li> <li>- use formulas to find area of squares, rectangles, parallelograms and triangles</li> <li>- identify basic parts of a circle</li> <li>- prove pi</li> <li>- use formula to find the circumference of a circle</li> </ul>
	Probability Outcomes Writing probability as a fraction Experiments and predictions	<ul style="list-style-type: none"> <li>- Visual animations</li> <li>- Text/ lecture</li> <li>- Daily spiral reviews</li> <li>- Games</li> <li>- Differentiation</li> </ul>	<ul style="list-style-type: none"> <li>- Quick check</li> <li>- Daily spiral reviews</li> <li>- Centers/games</li> </ul>	<ul style="list-style-type: none"> <li>- use a tree diagram to list possible outcomes</li> <li>- use fractions to represent probaility of an event</li> <li>- use probaility to make predictions</li> </ul>