	Week	Major Concepts / Topics	Possible Resources: from NC DOE
	WEEK		and FL
		Recognize that in a multi-digit whole number, a digit in one place represents ten times	• Select NBT.1 or 2 or 3 to
		what it represents in the place to its right. Apply concepts of place value with addition and	assist your child
	1	subtraction. Read and write multi-digit whole numbers using base-ten numerals, number	
		names, and expanded form. Compare two multi-digit numbers based on meanings of the	
		digits using correct symbols. 4.NBT.1.1, 4.NBT.1.2	
	2	Use place value understanding to round multi-digit whole numbers to ANY place.	Select NBT.1 or 2 or 3 to
		4.NBT.1.3	assist your child
		Add and subtract multi-digit whole numbers using the standard algorithm. Know	<ul> <li><u>Select NBT.4 and the two</u></li> </ul>
	3	strategies to apply in case they get lost with an algorithm; use base-ten manipulatives to	tasks for assistance
		SHOW they understand before simply performing an operation. 4.NBT.2.4	
		Solve multi-step word problems with whole number answers including problems in which	<u>Select 4.OA.3 for assistance</u>
	Л	the remainder must be interpreted. Represent problems using equations with a letter for	
	4	the unknown and assess reasonableness with mental computation and estimation	
Quarter 1		strategies including rounding. 4.OA.1.3	
Aug 10 – Oct 14		Multiply a whole number of up to four digits by a one-digit whole number, and multiply	<u>Select 4.NBT.5 for assistance</u>
	5	two, two-digit numbers using STRATEGIES based on place value and properties of	
		operation. Illustrate and explain with equations, rectangular arrays, and/or area models.	
		4.NBT.2.5	
	6	Find whole-number quotients and remainders with up to four-digit dividends and one-digit	<ul> <li><u>Select 4.NBT.6 for assistance</u></li> </ul>
		divisors, use STRATEGIES from place value, properties of operations, and/or the	
		relationship between ×/÷. Illustrate and explain by using equations, rectangular arrays	
		and/or area models. 4.NBT.2.6	
	7	Apply the area and perimeter formulas for rectangles in real world and math problems.	<ul> <li>Scroll to the bottom and</li> </ul>
		4.MD.1.3	select 4.MD.3
	8	Find all factor pairs for a whole number in range of 1-100. Recognize that a whole number	Use any of the three tasks for
		is a multiple of each of its factors. Determine if a given whole number in the range of 1-	OA.4 as appropriate
		100 is a multiple of a given one-digit number and determine if a given whole number in	
		the 1-100 range is prime or composite. 4.OA.2.4	
	٥	Determine whether an equation is true or false by using <i>comparative relational thinking</i> .	<ul> <li>4.OA.1a- Is my equation TRUE</li> </ul>
	5	Focus this quarter on Double digit, same signs only, like 13 + 5 = 10 + 8. 4.0A.1.a	<u>or False</u>
Quarter 2 Oct 18 – Dec 21	Week		
		Build fractions from unit fractions by applying and extending previous understandings of	• Select from tasks 1-2-4-5-6
	1	operations on whole numbers. Understand a fraction a/b with a > 1 as a sum of fractions	only
		1/b.	

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2(Den 4.NF.2.3 Extend under equivalent t how the nur the same siz Compare tw 	ems involving measurement and conversion of measurements from a larger aller unit. Know relative sizes of measurement units within one system of	Select from 4.MD.1 tasks
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2(Der 4.NF.2.3 Extend under equivalent t how the num the same siz Compare tw common do 33Recognize to whole. Reco FRACTION N Continue ea	r operations with whole numbers to solve problems. multiplication equation as a comparison, e.g., interpret 35 = 5 × 7 as a hat 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal of multiplicative comparisons as multiplication equations. 4.OA.1.1	<u>Select from 4.OA.1 tasks</u>
(Der 4.NF.2.3 2 2 2 2 3 3 3 3 3 3 3 4 3 3 3 3 3 3 3	rlier weeks	•
(Der 4.NF.2.3 Extend unde equivalent t how the nur the same siz	vo fractions with different numerators and different denominators creating minators or numerators or by comparing to a benchmark fraction like ½. <b>hat comparisons are valid ONLY when the two fractions refer to the same</b> ord results with correct symbols and justify conclusions with a VISUAL AODEL. 4.NF.1.2	<ul> <li><u>Select from NF.2 that aligns</u> with this quarter</li> </ul>
(Dei 4.NF.2.3	erstanding of fraction <i>equivalence</i> and ordering. Explain why a fraction a/b is to a fraction (n×a)(n×b) by using VISUAL FRACTION MODELS, with <b>attention</b> to <i>mber and size of the parts differ even though the two fractions themselves are</i> te. Use this to recognize/generate equivalent fractions. 4.NF.1.1	• <u>Select from NF.1 that aligns</u> with this quarter
a. Und refe C-R- b. Dec thar	lerstand addition and subtractions of fractions as joining and separating parts erring to same whole. (Should use fraction tiles and pies for the Concrete of the A model we're following) ompose a fraction into a sum of fractions with the same denominator in more n one way, record each decomposition by an equation. Justify decompositions. nominators of 2,3,4,5,6,8,10,12, and 100 only).	

Jan 5 – Mar 10	1	Generate/analyze patterns: generate a number or shape pattern that follows a given rule and identify features that were not explicit in the rule itself. 4.OA.3.5	Select any task from this link
	2	Recognize angle measure as additive. When an angle is decomposed into non-overlapping parts, the angle measure of the whole is the sum of the measure parts. (Real world problems with =/- and unknown symbol.) 4.MD.3.7	<u>Select from 4.MD.7 tasks</u>
	3	Draw points, lines, line segments, rays, 3 angle types, and perpendicular and parallel lines. Identify these in two-dimensional figures. Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles. Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line- symmetric figures and draw lines of symmetry. 4.G.1.1, 4.G.1.2, 4.G.1.3	• Select a task from G.1-2-3
	4	Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations. (Readdressed to include multiplication for fractions and apply understanding of "times as much") Use four operations with whole numbers to solve problem x/÷ to solve word problems involving multiplicative comparisons with a symbol for the unknown: distinguish multiplicative from additive comparisons. 4.0A.1.1, 4.0A.1.2	<ul> <li><u>Select a task from OA.1 or 2</u> not already done</li> </ul>
	5	Generalize place value. Use place value understanding to round multi-digit whole numbers to any place. 4.NBT.1.3	• <u>Select from 4.NBT.3</u>
	6	Solve problems involving measurement/conversion of measurements from larger to smaller units. Use operations to solve word problems involving distances, time intervals, liquid volumes, masses, and money and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Use diagrams such as number line diagrams that feature measurement scales. Use the four operations to solve word problems <sup>1</sup> involving distances, represent measurement quantities using diagrams such as number line diagrams with measurement scale. Make a line plot to display a data set of measurements in unit fractions (1/2, 1/4, 1/8). Solve problems involving +/- of fractions using information in line plots. 4.MD.1.2, 4.MD.2.4	• <u>Select a task from 4.MD.4</u>
	7	Review OA.1.a and b. Determine the unknown whole number in an equation relating four whole numbers using comparative relational thinking. 4.OA.1.a and b	• <u>FI Standard-only-4.OA.1b</u>
	8	Understand a fraction a/b with a > 1 as a sum of fractions 1/b. +/- mixed numbers with like denominators by replacing with an equivalent fraction and/or by using properties of operations and relationship between +/- of fractions referring to the same whole with like denominators. Use fraction models!! Apply and extend previous understandings of multiplication to multiply a fraction by a whole number. a. Understand a fraction a/b as a multiple of 1/b.	<ul> <li><u>Select a task that aligns with</u> <u>this quarter</u></li> </ul>

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		<ul> <li>b. Understand a multiple of a/b as a multiple of 1/b, and use this understanding to multiply a fraction by a whole number. (Use a visual fraction model).</li> <li>c. Solve word problems involving multiplication of a fraction by a whole number.</li> <li>4.NF.2.3, 4.NF.2.4</li> </ul>	
	9	Express a fraction with denominator of 10 as equivalent fraction to denominator of 10, then add. Use decimal notation for fractions with denominator of 10 or 100. Compare two decimals to hundredths by reasoning about size. Comparisons only valid refer to same size. 4.NF.3.5, 4.NF.3.6, 4.NF.3.7	• Select a task from 5.NF.5-6-7
Quarter 4 Mar 21 – May 24	Week		See above links for support
	1	Repeat 4.OA.1.3 to provide multiple opportunities for students to develop skills.	
	2	Repeat 4.NBT.2.4 to provide multiple opportunities for students to develop skills.	
	3	Repeat, 4.MD.1.2, from prior unit to emphasize using four operations in all problem types. Use diagrams and number line diagrams with measurement scales.	
	4	Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison. 4.OA.1.2	
	5	FSA testing window	
	6	Teachers will use their DE data, MFAS tasks, and classroom assessments to pull small groups based upon need. Students will continue to deepen their understanding of grade level math standards through the end of the year.	
	7	Teachers will use a lot of Project-based Learning for enrichment and remediation this last quarter of school.	
	8		
	9		