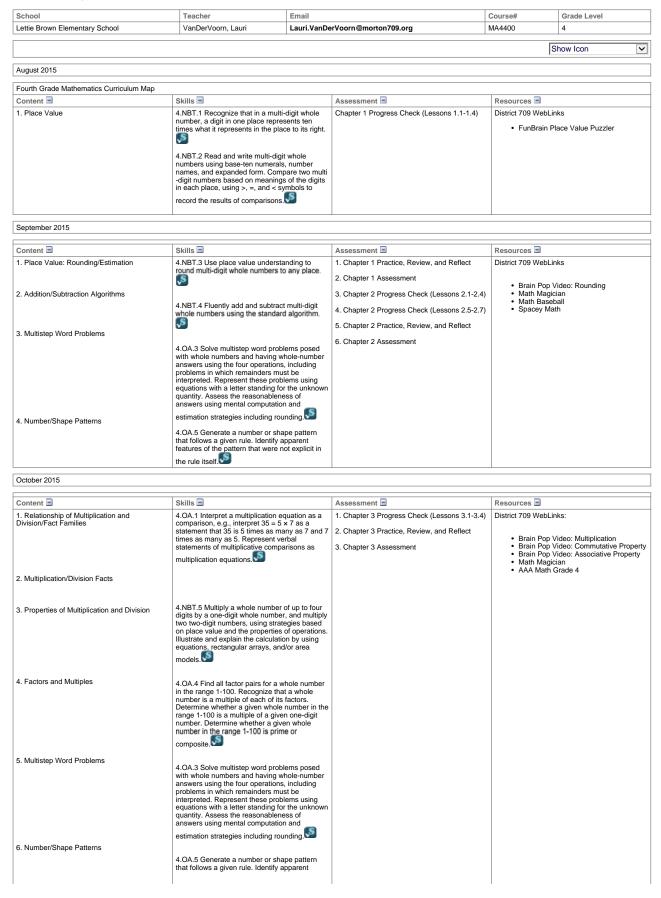
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## MATH - 4th



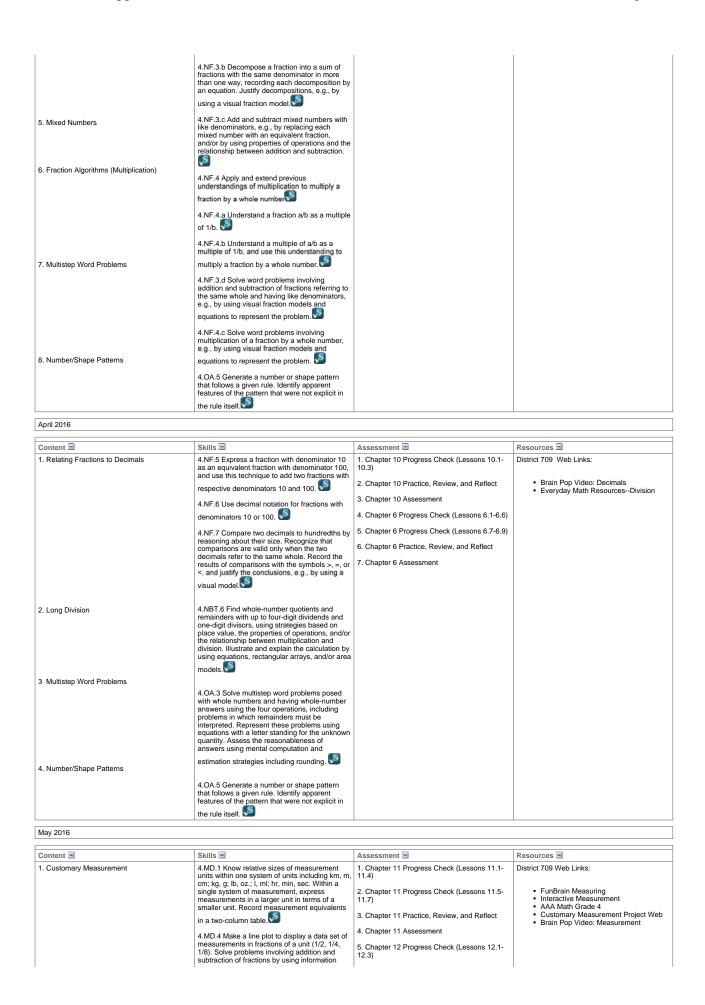
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	features of the pattern that were not explicit in the rule itself.		
November 2015			
Content =	Skills 🗏	Assessment	Resources -
Multiplication Using Larger Numbers (up to 4- digit by 1-digit)	4.NBT.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	Chapter 4 Progress Check (Lessons 4.1-4.4)     Chapter 4 Progress Check (Lessons 4.5-4.9)     Chapter 4 Practice, Review, and Reflect     Chapter 4 Assessment	IXL Math
2. Multistep Word Problems	4.OA.2 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.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.		
3. Number/Shape Patterns	4.OA.5 Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.		
December 2015			
Content =	Skille -	Accessment	Pasauros
1. Multiplication Using Larger Numbers (2-digit	Skills 4.NBT.5 Multiply a whole number of up to four	Assessment      Chapter 5 Progress Check (Lessons 5.1-5.2)	Resources I
by 2-digit)	digits by a one-digit whole number, and multiply		IXE Watti
	two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.	Chapter 5 Practice, Review, and Reflect     Chapter 5 Assessment	
2. Multistep Word Problems	4.OA.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.		
3. Number/Shape Patterns	4.O.A.5 Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern that were not explicit in the rule itself.		
January 2016			
• • •	T		
Content ■  1. Area and Perimeter	Skills 4.MD.3 Apply the area and perimeter formulas	1. Chapter 13 Progress Check (Lessons 13.1-	Resources District 709 Web Links:
Two-Dimensional Geometry (Lines, Rays, and Angles)	for rectangles in real world and mathematical problems.  4.G.1 Draw points, lines, line segments, rays,	13.2) 2. Chapter 13 Practice, Review, and Reflect 3. Chapter 13 Assessment	FunBrain Shape Surveyor     AAA Math Geometry     Pattern Generator     Geometry Jeopardy
	angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.  4.G.2 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.	Chapter 14 Progress Check (Lessons 14.1- 14.2)	Brain Pop Video: Parallel and Perpendicular Lines     Geometry Project Web
3. Multistep Word Problems	4.OA.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.		
4. Number/Shape Patterns	4.OA.5 Generate a number or shape pattern that follows a given rule. Identify apparent		
	features of the pattern that were not explicit in the rule itself.		
February 2016			

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Content =	Skills =	Assessment =	Resources =
Two-Dimensional Geometry (Classifying Angles)	4.MD.5 Recognize angles as geometric shapes that are formed wherever two rays share a	1. Chapter 14 Progress Check (Lessons 14.3-14.7)	District 709 Web Links:
<b>G</b> ,	common endpoint, and understand concepts of	2. Chapter 14 Practice, Review, and Reflect	Symmetry Kaleidoscope
	angle measurement:	3. Chapter 14 Assessment	Brain Pop Video: Polygons     Brain Pop Video: Measuring Angles
	4.MD.5.a An angle is measured with reference to a circle with its center at the common		Symmetry Artist     Angles
	endpoint of the rays, by considering the fraction of the circular arc between the points where the		, angles
	two rays intersect the circle. An angle that turns through 1/360 of a circle is called a "one-degree		
	angle," and can be used to measure angles.		
	4.MD.5.b An angle that turns through n one-		
	degree angles is said to have an angle measure		
	of n degrees.		
Two-Dimensional Geometry (Measuring	4.MD.6 Measure angles in whole-number		
Angles)	degrees using a protractor. Sketch angles of specified measure.		
	4.MD.7 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 angle measures of the		
	parts. Solve addition and subtraction problems to find unknown angles on a diagram in real		
	world and mathematical problems, e.g., by using an equation with a symbol for the		
	unknown angle measure.		
Two-Dimensional Geometry (Figures)	4.G.2.Classify two-dimensional figures based		
o Dimonolonal Ocomolity (Figures)	4.G.2 Classify two-dimensional figures based on the presence or absence of parallel or account of the presence of parallel or account of the presence of		
	perpendicular lines, or the presence or absence of angles of a specified size. Recognize right		
	triangles as a category, and identify right triangles.		
4.T. Di	thanges.		
Two-Dimensional Geometry (Symmetry)	4.G.3 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.		
5. Multistep Word Problems	4.OA.3 Solve multistep word problems posed		
	with whole numbers and having whole-number answers using the four operations, including		
	problems in which remainders must be		
	interpreted. Represent these problems using equations with a letter standing for the unknown		
	quantity. Assess the reasonableness of answers using mental computation and		
6. Number/Shape Patterns	estimation strategies including rounding.		
o. Number/Snape Fatterns	4.OA.5 Generate a number or shape pattern that follows a given rule. Identify apparent		
	features of the pattern that were not explicit in		
	the rule itself.		
March 2016			
Content =	Skills =	Assessment	Resources
Equivalent Fractions	4.NF.1 Explain why a fraction a/b is equivalent	Chapter 8 Progress Check (Lessons. 8.1-8.2)	
	to a fraction (n × a)/(n × b) by using visual fraction models, with attention to how the	2. Chapter 8 Progress Check (Lessons 8.3-8.7)	
	number and size of the parts differ even though the two fractions themselves are the same size.	3. Chapter 8 Practice, Review, and Reflect	AAA Math Grade 4     Fractions Project Web
	Use this principle to recognize and generate equivalent fractions.	4. Chapter 8 Assessment	Everyday Math ResourcesFractions
	4.NF.5 Express a fraction with denominator 10	5. Chapter 9 Progress Check (Lessons 9.1-9.4)	
	as an equivalent fraction with denominator 100, and use this technique to add two fractions with	6. Chapter 9 Progress Check (Lessons 9.5-9.7)	
	respective denominators 10 and 100.	7. Chapter 9 Practice, Review, and Reflect	
		8. Chapter 9 Assessment	
2. Decomposing Fractions	4.NF.3 Understand a fraction a/b with a > 1 as a sum of fractions 1/b.		
	4.NF.3.b Decompose a fraction into a sum of fractions with the same denominator in more		
	than one way, recording each decomposition by		
	an equation. Justify decompositions, e.g., by using a visual fraction model.		
2. Comparing and Ordering F			
Comparing and Ordering Fractions	4.NF.2 Compare two fractions with different numerators and different denominators, e.g., by		
	creating common denominators or numerators, or by comparing to a benchmark fraction such		
	as 1/2. Recognize that comparisons are valid only when the two fractions refer to the same		
	whole. Record the results of comparisons with		
	symbols >, =, or <, and justify the conclusions, e.g., by using a visual fraction model.		
Fraction Algorithms (Addition and	4.NF.3.a Understand addition and subtraction of		
Subtraction)	fractions as joining and separating parts		
	referring to the same whole.		

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	presented in line plots.	6. Chapter 12 Practice, Review, and Reflect	
Metric Measurement     Multi-Step Word Problems	4.MD.1 Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in a two-column table.	7. Chapter Assessment	
	4.MD.2 Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects, and money, including problems involving simple fractions or decimals, and problems that require expressing measurements given in a larger unit in terms of a smaller unit. Represent measurement quantities using diagrams such as number line diagrams that feature a measurement scale.		