Grade Level: 4 Competency/Proficiency Analysis Sheet (Modules 1-7) v.9-26-16

Code	Competency Statement/Proficiency Scale Statement								
		M1	M2	M3	M4	M5	M6	M7	
Operations and Algebraic Thinking - 4.OA.A	Skill Competency: Students will use the four operations with whole numbers to solve problems.								
Multiplication and Division - 4.MD.2A	I can interpret a multiplication equation as a comparison. (4.OA.A.1)			X					
Multiplication and Division - 4.MD.2B	I can represent verbal statements of multiplicative comparisons as multiplication equations. (4.OA.A.1)			M,E				E	
Multiplication and Division - 4.MD.2E	I can use arrays and/or models to solve multiplication and division problems.			X,E					
Expressions and Equations - 4.EEQ.2A	I can represent word problems using equations with a letter standing for the unknown quantity. (4.OA.A.3)								
Multiplication and Division - 4.MD.3A	I can multiply or divide to solve word problems involving multiplicative comparisons (for example, by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison). (4.OA.A.2)			M,E					
Multiplication and Division - 4.MD.3B	I can solve multistep word problems posed with whole numbers and having whole number answers using the four operations, including division word problems in which remainders must be interpreted. (4.OA.A.3)			X,M,E				E	
Expressions and Equations - 4.EEQ.3A	I can solve multistep word problems involving the four operations posed with whole numbers with a symbol for the unknown number. (4.OA.A.3)	X		X,M					
Operations and Algebraic Thinking - 4.OA.B	Content Competency: Students will gain familiarity with factors and multiples.								
Factors and Multiples - 4.FACM.2A	I can find all factor pairs for a whole number in the range one to 100. (4.OA.B.4)			X,E					
Factors and Multiples - 4.FACM.3A	I can determine whether a given whole number in the range of one to 100 is prime or composite. (4.OA.B.4)			X,E					
Factors and Multiples - 4.FACM.3B	I can determine whether a given whole number in the range of one to 100 is a multiple of a given one-digit number. (4.OA.B.4)			X					
Operations and Algebraic Thinking - 4.OA.C	Skill Competency: Students will generate and analyze patterns.								
Patterns - 4.PTRN.2A	I can generate a number or shape pattern that follows a given rule. (4.OA.C.5)					E			
Patterns - 4.PTRN.3A	I can describe the features of a number or shape pattern including those that are not explicit in the rule itself. (4.OA.C.5)					X,E			

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Number – Base Ten - 4.NBT.A	Content Competency: Students will generalize place value understanding for multi-digit whole numbers.								
Place Value - 4.PV.2A	I can recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right. (4.NBT.A.1)	X,M,E					X,M		
Place Value - 4.PV.2B	I can read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. (4.NBT.A.2)	X,M,E							
Place Value - 4.PV.3A	I can compare two multi-digit numbers based on meanings of the digits in each place using <, >, and =. (4.NBT.A.2)	X,M,E							
Place Value - 4.PV.3B	I can use place value understanding to round multi-digit whole numbers to any place. (4.NBT.A.3)	X,M,E							
Number – Base Ten - 4.NBT.B	Skill Competency: Students will use place value understanding and properties of operations to perform multi-digit arithmetic.								
Addition and Subtraction - 4.AS.2A	I can add and subtract multi-digit whole numbers using concrete models or drawings.	E		M					
Multiplication and Division - 4.MD.2C	I can multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit whole numbers. (4.NBT.B.5)			X,M,E					
Multiplication and Division - 4.MD.2D	I can find whole number quotients and remainders with up to four-digit dividends and one-digit divisors. (4.NBT.B.6)			X,E					
Addition and Subtraction - 4.AS.3A	I can fluently add and subtract multi-digit whole numbers using the standard algorithm. (4.NBT.4) (Required Fluency for Grade 4 - 4.NBT.B.4 Add/subtract within 1,000,000)	X,E							
Multiplication and Division - 4.MD.3C	I can illustrate and explain calculations using strategies based on place value, properties of operations, equations, and/or models. (4.NBT.B.5)			X,M					
Number – Fractions - 4.NF.A	Skill Competency: Students will extend understanding of fraction equivalence and ordering.								
Fractions - 4.FRAC.2A	I can recognize and generate equivalent fractions. (4.NF.A.1)					X,M,E			
Fractions - 4.FRAC.3A	I can compare two fractions with different numerators and different denominators using <, >, and =, and justify the comparison. (4.NF.A.2)					X,M,E			
Number – Fractions - 4.NF.B	Skill Competency: Students will build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.								
Adding and Subtracting Fractions - 4.ASFR.2A	I can describe addition and subtraction of fractions as joining and separating parts referring to the same whole. (4.NF.B.3a)					X,M,E			
Adding and Subtracting Fractions - 4.ASFR.2B	I can decompose a fraction into a sum of fractions with the same denominator in a variety of ways (for example, 3/8 = 1/8 + 1/8 + 1/8). (4.NF.B.3b)					X,M,E			
Multiplying and Dividing Fractions - 4.MDFR.2A	I can describe a fraction a/b as a multiple of 1/b. (4.NF.B.4a)					X,M,E			
Multiplying and Dividing Fractions - 4.MDFR.2B	I can multiply a fraction by a whole number using the understanding that a multiple of a/b is a multiple of 1/b. (4.NF.B.4b)					X,E			

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Adding and Subtracting Fractions - 4.ASFR.3A	I can add and subtract mixed numbers with like denominators. (4.NF.B.3c)					X,M,E			
Adding and Subtracting Fractions - 4.ASFR.3B	I can solve word problems involving addition and subtraction of fractions referring to the same whole and having the same denominator. (4.NF.B.3d)					X,M,E			
Multiplying and Dividing Fractions - 4.MDFR.3A	I can solve word problems involving multiplication of a fraction by a whole number using fraction models and equations. (4.NF.B.4c)					X,E			
Number – Fractions - 4.NF.C	Skill Competency: Students will understand decimal notation for fractions, and compare decimal fractions.								
Adding and Subtracting Fractions - 4.ASFR.2C	I can express a fraction with denominator 10 as an equivalent fraction with denominator 100. (4.NF.C.5)						X,M,E		
Decimal Concepts - 4.DC.2A	I can use decimal notation for fractions with denominators of 10 or 100. (4.NF.C.6)						X,M,E		
Adding and Subtracting Fractions - 4.ASFR.3C	I can add two fractions with denominators 10 and 100 by making the denominators equivalent.						X,E		
Decimal Concepts - 4.DC.3A	I can compare and justify the comparison of two decimals to hundredths. (4.NF.C.7)						X,E		
Measurement and Data - 4.MD.A	Content Competency: Students will solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.								
Area - 4.AREA.2A	I can apply the area formula for rectangles in mathematical problems. (4.MD.A.3)			X					
Perimeter - 4.PER.2A	I can apply the perimeter formula for rectangles in mathematical problems. (4.MD.A.3)			X					
Measurement - 4.MEAS.2A	I can express measurements in a larger unit in terms of a smaller unit (for example, km, m, cm, kg, g, lb, oz, l, ml, hr, min, sec). (4.MD.A.1)		X,E					X,E	
Area - 4.AREA.3A	I can apply the area formula for rectangles in real-world and word problems. (4.MD.A.3)			M					
Perimeter - 4.PER.3A	I can apply the perimeter formula for rectangles in real-world and word problems. (4.MD.A.3)			X,M					
Measurement - 4.MEAS.3A	I can use the four operations to solve word problems involving distance, intervals of time, liquid volumes, masses of objects, and money, including problems that involve simple fractions or decimals and problems that require expressing measurements given in a larger unit in terms of a smaller unit. (4.MD.A.2)		X,E				X,E	X,E	
Measurement and Data - 4.MD.B	Skill Competency: Students will represent and interpret data.								
Represent and Interpret Data - 4.RIDT.2A	I can make a line plot of measurement data in fractions of a unit (1/2, 1/4, 1/8). (4.MD.B.4)					E			

Represent and Interpret Data - 4.RIDT.3A	I can solve problems using a line plot of measurement data in fractions of a unit (1/2, 1/4, 1/8). (4.MD.B.4)					X			
Measurement and Data - 4.MD.C	Skill Competency: Students will understand concepts of angle and measure angles. (Geometric Measure)								
Angles - 4.ANGL.2A	I understand concepts of angle measurement and can measure angles in whole-number degrees using a protractor. (4.MD.C.5, 4.MD.C.6)				X,M,E				
Angles - 4.ANGL.3A	I can solve addition and subtraction problems to find unknown angles on a diagram. (4.MD.C.7)				X,M,E				
Geometry - 4.G.A	Content Competency: Students will draw and identify lines and angles, and classify shapes by properties of their lines and angles.								
Shapes - 4.SHAP.2A	I can identify right triangles. (4.G.A.2)				X,E				
Lines and Symmetry - 4.LSYM.2A	I can identify examples of points, lines, line segments, rays, angles, and perpendicular and parallel lines in two-dimensional figures. (4.G.A.1)				X,M				
Lines and Symmetry - 4.LSYM.2B	I can identify line-symmetric figures. (4.G.A.3)								
Shapes - 4.SHAP.3A	I can classify shapes based on the presence or absence of parallel or perpendicular lines. (4.G.A.2)				X				
Shapes - 4.SHAP.3B	I can classify shapes based on the presence or absence of angles of a specified size. (4.G.A.2)				X,E				
Lines and Symmetry - 4.LSYM.3A	I can draw points, lines, line segments, rays, angles, and perpendicular and parallel lines. (4.G.A.1)				M,E				
Lines and Symmetry - 4.LSYM.3B	I can draw all possible lines of symmetry in two-dimensional figures. (4.G.A.3)				X,E				

X = Exit Tickets
M = MidModule Assessment
E = EndModule Assessment