		Performance Level Descr	iptors (PLDs)	
	Level 1	Level 2	Level 3	Level 4
Policy Statement	The student has a minimal understanding of grade-level standards and is likely to need additional support at this level of learning as described in the Alabama Course of Study.	The student has a partial understanding of grade-level standards and is likely to need some additional support at this level of learning as described in the Alabama Course of Study.	The student has a strong understanding of grade-level standards and demonstrates the knowledge and skills at this level of learning as described in the Alabama Course of Study.	The student has an advanced understanding of grade-level standards and exceedingly demonstrates the knowledge and skills at this level of learning as described in the Alabama Course of Study.
also be able t on a particula	nce level descriptors describe what a solution of demonstrate the skills described in partest in order to score at that level.			
Operations	and Algebraic Thinking			
4.0A.1 4.0A.2 4.0A.3 4.0A.3a 4.0A.3b 4.0A.4 4.0A.4a 4.0A.4b 4.0A.5	<ul> <li>A student at this level</li> <li>solves two-step word problems by multiplying or dividing and</li> </ul>	<ul> <li>A student at this level</li> <li>solves multi-step word problems by multiplying and dividing with whole-number factors, products, dividends, divisors, and quotients;</li> </ul>	<ul> <li>A student at this level</li> <li>interprets multiplication equations as comparisons and uses them to solve multi-step word problems involving whole numbers using the four operations;</li> <li>interprets remainders in context;</li> </ul>	<ul> <li>A student at this level</li> <li>interprets multiplication equations as comparisons and uses them to solve multi-step word problems, using the four operations involving whole numbers and an unknown quantity as a variable;</li> </ul>
	<ul> <li>finds all factor pairs of</li> </ul>	<ul> <li>recognizes multiples of a given one-digit number;</li> <li>finds all factor pairs of</li> </ul>	<ul> <li>explains the correlations and differences between multiples and factors and identifies multiples of a given one-digit number;</li> <li>finds all factor pairs of</li> </ul>	<ul> <li>finds prime factors of a</li> </ul>
	whole numbers up to 24.	whole numbers up to 48; and	<ul> <li>determines whether a whole number up to 100;</li> <li>determines whether a is prime or composite;</li> </ul>	<ul> <li>explains the difference between prime and composite numbers; and</li> </ul>

Grade 4 Math	nematics (2019 COS)		ACAP Summa	ative Performance Level Descriptors
		<ul> <li>determines the next term in a number or shape pattern.</li> </ul>	<ul> <li>generates number and shape patterns that follow a given rule, including rules expressed algebraically; and</li> <li>identifies apparent features of the pattern that are not explicit in the rule itself.</li> </ul>	<ul> <li>generates the rules for given number and shape patterns, including rules expressed algebraically.</li> </ul>
Operations v	vith Numbers: Base Ten			
4.NBT.6 4.NBT.7 4.NBT.8 4.NBT.9 4.NBT.10 4.NBT.11 4.NBT.11a 4.NBT.12 4.NBT.12a	A student at this level	A student at this level	<ul> <li>A student at this level</li> <li>represents and compares numbers based on place value and the relationship between left and right positions as multiples or quotients of 10, 100, 1,000, or 10,000;</li> </ul>	A student at this level
	<ul> <li>uses place value to read and write numbers to 1,000 in standard form (base-ten numerals) and</li> </ul>	<ul> <li>reads and writes numbers in standard form (base-ten numerals);</li> </ul>	<ul> <li>reads and writes multi-digit numbers in standard form (base-ten numerals), word form (number names), and expanded form;</li> </ul>	
		<ul> <li>uses place value to round whole numbers to their greatest place value;</li> </ul>	<ul> <li>uses place value to round whole numbers to any specified place value;</li> </ul>	<ul> <li>uses place value to explain and illustrate multiplication algorithms,</li> </ul>

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<ul> <li>adds and subtracts with up to three-digit addends, subtrahends, and minuends using the standard algorithm.</li> </ul>	<ul> <li>adds and subtracts multi-digit whole numbers using the standard algorithm;</li> </ul>	<ul> <li>adds and subtracts fluently by applying a variety of strategies, connects those strategies to the standard algorithm, and verifies the reasonableness of results;</li> </ul>	<ul> <li>identifies efficient strategies for adding or subtracting multi-digit whole numbers, and</li> </ul>
	<ul> <li>multiplies a two-digit whole number by a one-digit whole number;</li> </ul>	<ul> <li>multiplies a three- or four-digit whole number by a one-digit whole number;</li> <li>multiplies two two-digit whole numbers;</li> </ul>	<ul> <li>identifies and corrects errors in a given strategy for adding or subtracting multi-digit whole numbers.</li> </ul>
	<ul> <li>finds whole-number quotients, using a two-digit whole-number dividend and one-digit divisor; and</li> </ul>	<ul> <li>finds whole-number quotients and remainders, using a three- or four-digit dividend and one-digit divisor; and</li> </ul>	
	<ul> <li>recognizes whole-number patterns in base ten.</li> </ul>	<ul> <li>illustrates and explains calculations when multiplying and dividing.</li> </ul>	

Operations with Numbers: Fractions				
4.NF.13 4.NF.13a 4.NF.14 4.NF.14a 4.NF.15 4.NF.15a 4.NF.15b	A student at this level	A student at this level	<ul> <li>A student at this level</li> <li>understands and explains fraction equivalence when given visual fraction models;</li> </ul>	<ul> <li>A student at this level</li> <li>understands, explains, and represents fraction equivalence by generating visual fraction models;</li> </ul>
4.NF.15c 4.NF.16 4.NF.16a 4.NF.16b 4.NF.16c 4.NF.17 4.NF.17a 4.NF.18 4.NF.19	<ul> <li>compares a unit fraction and a non-unit fraction with different denominators (2, 3, 4, 6, or 8) using the symbols &lt;, &gt;, and =,</li> </ul>	<ul> <li>compares two fractions with different numerators and different denominators (2, 3, 4, 6, or 8) using the symbols &lt;, &gt;, and =;</li> </ul>	<ul> <li>compares two fractions with different numerators and different denominators (2, 3, 4, 5, 6, 8, 10, 12, or 100) using the symbols &lt;, &gt;, and =;</li> <li>expresses and represents equivalence between two fractions with denominators of 10 and 100 and uses this equivalence to add the fractions;</li> </ul>	<ul> <li>orders three or more fractions with different numerators and different denominators (2, 3, 4, 5, 6, 8, 10, 12, or 100);</li> </ul>
	<ul> <li>identifies tenths, both as fractions and as decimals, using visual models, and</li> </ul>	<ul> <li>identifies tenths and hundredths, both as fractions and as decimals, using visual models;</li> </ul>	<ul> <li>identifies unit fractions that compose fractions with numerators &gt; 1;</li> <li>represents and decomposes fractions as a sum of unit fractions;</li> </ul>	
	<ul> <li>adds or subtracts fractions with like denominators.</li> </ul>	<ul> <li>adds and subtracts fractions with like denominators; and</li> </ul>	<ul> <li>adds and subtracts fractions and mixed numbers with like denominators;</li> </ul>	

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<ul> <li>solves word problems involving addition or subtraction of fractions with like denominators.</li> </ul>	<ul> <li>solves word problems involving addition and subtraction of fractions and mixed numbers with like denominators;</li> </ul>	<ul> <li>solves multi-step word problems involving addition and subtraction of fractions and mixed numbers with like denominators;</li> </ul>
	<ul> <li>multiplies fractions by whole numbers;</li> </ul>	<ul> <li>represents and explains multiplication of fractions by whole numbers;</li> </ul>
	<ul> <li>solves word problems with multiplication of fractions by whole numbers;</li> </ul>	<ul> <li>solves multi-step word problems with multiplication of fractions by whole numbers; and</li> </ul>
	<ul> <li>uses decimal notation to represent fractions with denominators of 10 and 100; and</li> </ul>	
	<ul> <li>compares two decimals to hundredths.</li> </ul>	<ul> <li>orders three or more decimals to hundredths.</li> </ul>

Data Analys	is			
4.DA.20 4.DA.20a 4.DA.20b	A student at this level	<ul> <li>A student at this level</li> <li>identifies data from line plots in fractions of a unit (1/2, 1/4, 1/8) and</li> <li>solves one-step problems involving addition or subtraction of fractions by using data from a line plot.</li> </ul>	<ul> <li>A student at this level</li> <li>creates line plots to represent data in fractions of a unit (1/2, 1/4, 1/8) and</li> <li>solves two-step problems involving addition or subtraction of fractions by using data from a line plot.</li> </ul>	<ul> <li>A student at this level</li> <li>creates line plots to represent data in any fractions of a unit and</li> <li>solves multi-step problems involving addition or subtraction of fractions by using data from a line plot.</li> </ul>
Measureme	nt			
4.M.21 4.M.21a 4.M.22 4.M.22a 4.M.22b 4.M.22c 4.M.23 4.M.23 4.M.24 4.M.25 4.M.26 4.M.26a	A student at this level	<ul> <li>A student at this level</li> <li>distinguishes between larger and smaller units of measurement (length, mass, liquid volume, time) within one system;</li> </ul>	<ul> <li>A student at this level</li> <li>converts units of measurement (length, mass, liquid volume, time) within one system using multiplication;</li> <li>solves one-step word problems in measurement using the four operations with distance, time, liquid volume, mass, and money;</li> </ul>	<ul> <li>A student at this level</li> <li>solves multi-step problems in measurement conversion using the four operations and</li> </ul>
		<ul> <li>finds the areas and perimeters of rectangles;</li> <li>orders angles visually by size; and</li> </ul>	<ul> <li>finds the areas and perimeters of rectangles in real-world and mathematical problems;</li> <li>measures and draws angles with a whole number of degrees using a protractor; and</li> </ul>	

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		<ul> <li>solves addition and subtraction problems involving angles.</li> </ul>	<ul> <li>solves addition and subtraction word problems involving angles.</li> </ul>	<ul> <li>solves multi-step addition and subtraction word problems involving angles.</li> </ul>
Geometry				
4.G.27 4.G.28	A student at this level	A student at this level	A student at this level	A student at this level
4.G.28a 4.G.29 4.G.29a	<ul> <li>draws points and lines and</li> </ul>	<ul> <li>draws points, line segments, and angles and identifies them in two-dimensional figures and</li> </ul>	<ul> <li>draws points, lines, line segments, rays, angles, and perpendicular and parallel lines and identifies them in two-dimensional figures;</li> </ul>	<ul> <li>draws, defines, and interprets points, lines, line segments, rays, angles, and perpendicular and parallel lines and represents them in two-dimensional figures;</li> </ul>
			<ul> <li>identifies right triangles;</li> </ul>	<ul> <li>identifies and generalizes right triangles;</li> </ul>
			<ul> <li>classifies quadrilaterals based on the presence or absence of parallel or perpendicular lines; and</li> </ul>	<ul> <li>provides examples of two-dimensional figures given specific characteristics; and</li> </ul>
	<ul> <li>recognizes symmetrical and nonsymmetrical figures.</li> </ul>	<ul> <li>identifies a line of symmetry.</li> </ul>	<ul> <li>identifies and draws lines of symmetry in two-dimensional figures.</li> </ul>	<ul> <li>interprets symmetry as a characteristic of two-dimensional figures.</li> </ul>