REGIONAL SCHOOL DISTRICT 13

Grade 4 Math Rubric

	4 Meeting	3 Approaching	2 Developing	1 Beginning
4.NBT.4 **Fluently adds and subtracts within 1,000,000**	Adds and subtracts numbers within 1,000,000 using the standard algorithm	Adds and subtracts numbers within 1,000,000 using the standard algorithm with inconsistent accuracy including regrouping in all positions	Adds and/or subtracts within 1,000,000 involving no more than 1 regrouping	Adds and subtracts within 1,000,000 using concrete or pictorial representations
3.OA.7 **Multiplies and divides fluently within 100 using strategies**	Multiplies and divides fluently within 100, using strategies	Multiplies and divides the majority of advanced facts (3, 4, 6, 7, 8, 9) by applying foundation fact strategies	Multiplies and divides all foundation facts (0,1, 2, 5, 10) using strategies	Multiplies and divides some of the foundation facts (0, 1, 2, 5, 10) using strategies
4.OA.3 **Solves multi-step word problems involving all four operations**	Solves multi-step word problems involving all four operations by choosing the appropriate operation(s) and writing an equation including representing the unknown in any position with a symbol	Solves multi-step word problems by identifying operations and solving each step using a clear strategy that may not include equations and may have inaccurate computation	Solve a multi-step word problem with direct consistent support with some of these steps (chooses an operation, writes an equation, and chooses a strategy to solve a multi-step word problem)	Reads, understands, and identifies the steps to solve a word problem with direct consistent support.
4.NBT.2 **Reads, writes and compares numbers up to**	Reads and writes six-digit numbers in all three forms (standard, expanded, and	Reads, writes, and compares numbers up to and including six-digit	Reads, writes and compares numbers using concrete materials or tools	Reads, writes and compares numbers with direct consistent support

and including six-digit numbers	word form); orders and compares six-digit numbers using <, >, = symbols	numbers with inconsistent accuracy	such as place value charts	
4.NBT.5 **Applies strategies to multiply multi-digit whole numbers**	Applies place value-based strategies to multiply a whole number of up to four digits by a one-digit whole number, and multiply 2-digit by 2-digit numbers; explains using equations, arrays or area models	Applies an appropriate strategy to multiply, but may have computational errors; can explain or demonstrate strategy used	Solves multiplication problems using repeated addition, concrete materials, pictures, or strategies not based on place value	Solves multiplication problems with direct consistent support
4.NBT.6 **Applies strategies to divide multi-digit whole numbers**	Applies place value-based strategies, or strategies based on multiplication, to divide up to 4-digit numbers by one-digit numbers (including finding a remainder); explain thinking Strategies may include (but are not limited to): partial quotients, area model, and distributive property	Applies an appropriate strategy to divide, but may have computational errors; can explain or demonstrate strategy used	Solves division problems using repeated subtraction, concrete materials, pictures, or strategies not based on place value	Solves division problems with direct consistent support
4.NF.1 **4.NF.2** **Compares, orders and determines equivalence of fractions**	Compares and orders fractions with different numerators and/or denominators using common denominator or benchmark strategy, and records results with	Compares and orders fractions with like numerators or denominators using common denominators or benchmark fractions; generates equivalent	Compares and orders fractions using concrete materials or pictures	Compares, orders, and generates equivalent fractions with direct consistent support

	symbols <, >, =; explains equivalence of fractions (for example by using a visual model)	fractions (using visual models, concrete materials, or other strategies)		
4.NF.6 **4.NF.7** **Represents and compares decimals**	Represents fractions in tenths and hundredths with decimal notation; compares two decimals to the hundredths place by reasoning about their size using <,> or = (for example by using a visual model)	Represents fractions in tenths and hundredths with decimal notation using visual models; Compares two decimals with corresponding place value to hundredths using visual models	Represents fractions in tenths and hundredths: Compares two decimals with corresponding place value to hundredths using visual models needing direct consistent support with representing or comparing	Represents and compares decimals using visual models and with direct consistent support
4.NF.3.a **4.NF.3.c** **Adds and subtracts fractions with like denominators**	Add/subtract fractions with like denominators; Add/subtract mixed numbers using an effective strategy (e.g., decomposing the mixed number into fractions, number line)	Adds/subtracts fractions and mixed numbers with concrete materials	Adds/subtracts fractions or mixed numbers with concrete models	Adds/subtracts fractions and mixed numbers with concrete models and direct consistent support
4.MD.2 **Solves word problems involving converting measurements and the four operations**	Solves problems with four operations involving distance, time, liquid volume, mass and money *Conversions only include expressing a larger unit in terms of a smaller unit	Solves word problems and applies conversion to most types of measurement problems	Solves word problems and/or applies the conversions with concrete models	Solves word problems and/or applies the conversions with concrete models and direct consistent support
4.MD.6 **Measures and sketches angles**	Measures angles with a protractor in degrees and sketches angles of specified measures	Measures angles with a protractor in degrees or sketches angles of specified measures	Measures angles with a protractor in degrees with direct consistent support	Describes angles in terms of their measure, for example using vocabulary of "acute" "obtuse" and "right"
4.G.2 **Classifies**	Classifies figures based on parallel and perpendicular	Classifies figures using limited number of attributes	Describes attributes of given figures but may not	Names figures with direct consistent support

two-dimensional figures by lines and angles	lines and angles of a specified size (particularly right triangles)	(such as number of sides or number of angles) and/or inconsistent use of geometric vocabulary	yet be able to classify	