4th Grade Priority Standards
Math 2020-2021

Strand	Priority Standards	Q1	Q2	Q3	Q4
Operation and Algebraic Thinking	**4.OA.1-**Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations. **MP.2, MP.4**		**x** **x**		
Operation and Algebraic Thinking	**4.OA.2**-Multiply or divide to solve word problems involving multiplicative comparisons by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison and additive comparisons. **MP.1, MP.2, MP.3**		**x**		
Operation and Algebraic Thinking	**4.OA.3**-Solve multistep problems. **a.** Perform operations in the conventional order when there are no parentheses to specify a particular order. **b.** Solve mulitstep 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. **MP.1, MP.4**		**x**		
Operation and Algebraic Thinking	**KY.4.OA.5** Generate a number or shape pattern that follows a given rule. Identify apparent features of the pattern not explicit in the rule itself. **MP.2, MP.3**		**x**		
Strand	**Priority Standard**	**Q1**	**Q2**	**Q3**	**Q4**
Number and Operations in Base Ten	**4.NBT.2**-Represent and compare multi-digit whole numbers. **a.** Read and write multi-digit whole numbers using base-ten numeral, number names and expanded form.	**x**			

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	b. Compare two multi-digit numbers based on meanings of the digit in each place, using >, =, and < symbols to record the results of comparisons. **MP.2, MP.7**				
Number and Operations in Base Ten	**4.NBT.3**-Use place value understanding to round multi-digit whole numbers to any place. **MP.2, MP.6**	**x**			
Number and Operations in Base Ten	**4.NBT.4**-Fluently add and subtract multi-digit whole numbers using an algorithm. **MP.2, MP.8**	**x**			
Number and Operations in Base Ten	**4.NBT.5**-Multiply whole numbers ● Up to four digit number by a one-digit number ● Two-digit number by two-digit number Multiplying using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays and/or are models. **MP.3, MP.4, MP.8**	**x**			
Number and Operations in Base Ten	**4.NBT.6**-Divide up to four-digit dividends by one-digit divisors. Find whole number quotients and remainders using ● Strategies based on place value ● The properties of operations ● The relationship between multiplication and division Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models. **MP.3, MP.7, MP.8**		**x**		
Strand	**Priority Standards**	**Q1**	**Q2**	**Q3**	**Q4**
Number and Operations--Fractions	**4.NF.1**-Understand and generate equivalent fractions. **a.** Use visual fraction models to recognize and generate equivalent fractions that have different numerators/denominators even though they are the			**x**	

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	same size. **b.** Explain why a fraction a/b is equivalent to a fraction (n x a)/(n x b) **MP.4, MP.7, MP.8**				
Number and Operations--Fractions	**4.NF.2**-Compare two fractions with different numerators and different denominators using the symbols <, =, or >. Recognize comparisons are valid only when the two fractions refer to the same whole. Justify the conclusions. **MP.2, MP.3**			**x**	
Number and Operations--Fractions	**4.NF.3**-Understand a fraction a/b with a > 1 as the sum of fractions 1/b. **a.** Understand addition and subtraction of fractions as joining and separating parts referring to the same whole. **b.** Decomposing a fraction into a sum of fractions with the same denominator in more than one way, recording each decomposition by an equation. Justify decompositions. **c.** Add and subtract mixed numbers with like denominators. **d.** Solve word problems involving addition and subtraction of fractions referring to the same whole and having like denominators. **MP.1, MP.5, MP.7**			**x**	
Number and Operations--Fractions	**4.NF.6**-Use decimal notation for fractions with denominators 10 or 100. **MP.4, MP.7**			**x**	
Number and Operations--Fractions	**4.NF.7**-Compare two decimals to hundredths. **a.** Compare two decimals to hundredths by reasoning about their size. **b.** Recognize that comparisons are valid only when the two decimals refer to the same whole. **c.** Record the results of comparisons with the symbols >, =, or < and justify the conclusions. **MP.2, MP.3, MP.5**			**x**	

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Strand	Priority Standards	Q1	Q2	Q3	Q4
Measurement and Data	**4.MD.2**-Use the four operations to solve word problems involving distances, intervals of time, liquid volumes, masses of objects and money. **a.** Solve measurement problems involving whole number, simple fractions or decimals. **b.** Solve problems that require converting a given measurement from a larger unit to a smaller unit within a common measurement system, such as 2 km = 2,000m. **c.** Visually display measurement quantities using representations such as number lines that feature a measurement scale. **MP.1, MP.4**				**x**
Measurement and Data	**4.MD.4-**Use dot plots to analyze data to a statistical question. **a.** Identify a statistical question focused on numerical data. **b.** Make a dot plot to display a data set of measurements in fractions of a unit (1/2 , 1/4 , 1/8). **c.** Solve problems involving addition and subtraction of fractions by using information presented in dot plots. **MP.1, MP.6**				**x**
Measurement and Data	**4.MD.7**-Recognize angle measure as additive. When an angle is 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. **MP.1, MP.4**				**x**

Quarter 1: 8-10-20 thru 10-14-20
Quarter 2: 10-15-20 thru 12-18-20
Quarter 3: 1-4-21 thru 3-9-21
Quarter 4: 3-10-21 thru 5-20-21