

Sheridan County School District #3
2020-2021
4th Grade Math Priority Standards

(09/15/20)

Fourth Grade

Operations and Algebraic Thinking		4.OA
WY-TOPP	6-8 items 18-24%	
4.OA.A.3	Solve multistep word problems posed with whole numbers including problems in which remainders must be interpreted.	
4.OA.B.4	Demonstrate an understanding of factors and multiples. A). Find all factor pairs for a whole number in the range 1–100. B). Recognize that a whole number is a multiple of each of its factors. C). Determine whether a given whole number in the range 1–100 is a multiple of a given one-digit number. D). Determine whether a given whole number in the range 1–100 is prime or composite.	
Numbers and Operations Base Ten		
4.NBT		
WY-TOPP	6-8 items 18-24%	
4. NBT.D.3	Use place value understanding to round multi-digit whole numbers to any place.	
4. NBT.E.6	Use strategies based on place value, the properties of multiplications, and/or the relationship between multiplication and division to find quotients and remainders with up to four-digit dividends and one-digit divisors. Use appropriate models to explain the calculation, such as by using equations, rectangular arrays, and/or area models.	
Number and Operations – Fractions		4. NF
WY-TOPP	9-11 items 26-32%	
4. NF.F.2	Compare two fractions with different numerators and different denominators by creating common denominators or numerators, or by comparing to a benchmark fraction such as $\frac{1}{2}$. A). Recognize that comparisons are valid only when the two fractions refer to the same whole. B). Record the results of comparisons with symbols $>$, $=$, or $<$ C). Justify the conclusions by using a visual fraction model.	
4. NF.G.3	Understand a fraction $\frac{a}{b}$ with $a > 1$ as a sum of fractions $\frac{1}{b}$. A). Understand addition and subtraction of fractions as joining and separating parts referring to the same whole. 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 by using a visual fraction model. C). Add and subtract mixed numbers with like denominators by replacing each mixed number with an equivalent fraction, and/or by using properties of addition and the relationship between addition and subtraction. D). Solve word problems involving addition and subtraction of fractions referring to the same whole and having like denominators.	
4. NF.H.5	Express a fraction with denominator 10 as an equivalent fraction with denominator 100, and use this technique to add two fractions with respective denominators 10 and 100.	
4.NF.H.7	Compare and order decimal numbers to hundredths and justify by using concrete and visual models. Record the results of comparisons with the words “is greater than,” “is	

	equal to,” “is less than,” and with the symbols $>$, $=$, or $<$.
Measurement and Data	
4.MD	
WY-TOPP	4-6 items 12-18%
4.MD.I.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. (Use denominators of 2,4,8 and decimals up to the hundredths).
4.MD.I.3	Apply the area and perimeter formulas for rectangles in real world and mathematical problems.
4.MD.K.7	Solve addition and subtraction problems to find unknown angles on a diagram in real world and mathematical problems.
Geometry	
4.G	
WY-TOPP	4-6 items 12-18%
4.G.L.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.