

Sheridan County School District #3
2020-2021
Fifth Grade Math Priority Standards
(09/15/20)

Fifth Grade

| Operations and Algebraic Thinking | | 5.OA |
|--|---|---------------|
| WY-TOPP | 6-7 items 18-21% | |
| 5.OA.A.2 | Write simple expressions requiring parentheses that record calculations with numbers, and interpret numerical expressions without evaluating them. | |
| Number and Operations in Base Ten | | 5. NBT |
| WY-TOPP | 8-11 items 24-32% | |
| 5.NBT.C.3 | Read, write, and compare decimals to thousandths. A). Read and write decimals to thousandths using base-ten numerals, number names, and expanded form. B). Compare two decimals to thousandths based on meanings of the digits in each place, using $>$, $=$, and $<$ symbols. | |
| 5.NBT.C.4 | Use place value understanding to round decimals to any place to a given place. | |
| 5.NBT.D.7 | Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used. | |
| Number and Operations - Fractions | | 5.NF |
| WY-TOPP | 8-11 items 24-32% | |
| 5.NF.E.2 | Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers. | |
| 5.NF.F.4 | Extend the concept of multiplication to multiply a fraction or whole number by a fraction. A). Recognize the relationship between multiplying fractions and finding the areas of rectangles with fractional side lengths. B). Interpret multiplication of a fraction by a whole number and a whole number by a fraction and compute the product. | |
| 5.NF.F.6 | Solve real world problems involving multiplication of fractions and mixed numbers, by using visual fraction models or equations to represent the problem. | |
| 5.NF.F.7 | Extend the concept of division to divide unit fractions and whole numbers by using visual fraction models and equations. A). Interpret division of a unit fraction by a non-zero whole number and compute the quotient. B). Interpret division of a whole number by a unit fraction and compute the quotient. C). Solve real-world problems involving division of unit fractions by non-zero whole numbers and division of whole numbers by unit fractions by using visual fraction models and equations to represent the problem. | |
| Measurement and Data | | 5. MD |
| WY-TOPP | 5-6 items 15-18% | |
| 5.MD.G.1 | Solve multi-step real world problems by converting among different-sized standard measurement units within a given measurement system. | |

| | |
|---|---|
| 5.MD.H.2 | Make a line plot to display a data set of measurements in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$). Use operations on fractions to solve problems involving information presented in line plots. |
| 5.MD.I.5 | Relate volume to the operations of multiplication and solve real world and mathematical problems involving volume. A). Find the volume of a right rectangular prism with whole-number dimensions by multiplying them. Show that this volume is the same as when counting unit cubes. B). Find volumes of right rectangular prisms with whole-number edge lengths in the context of solving real world and mathematical problems given the formulas $V=(l)(w)(h)$ and $V = (B)(h)$ for rectangular prisms. |
| Geometry 5.G | |
| WY-TOPP | 4-7 items 12-21% |
| 5.G.J.2 | Plot and interpret points in the first quadrant of the coordinate plane to represent real-world and mathematical situations. |
| 5.G.K.4 | Classify polygons in a hierarchy based on properties. |