

Teaching and Learning Standards

Every Child, Every Day, Without Exception



District Essential Standards and Learning Targets

- 1.2 Multiply and divide any combination of whole numbers, fractions, and mixed numbers using a student-selected strategy. Interpret products and quotients of fractions and solve word problems.
 - I can divide fractions and whole numbers.
 - I can multiply fractions and whole numbers.
 - I can solve word problems involving multiplying fractions.
 - I can solve word problems involving dividing fractions.
- 2.1 Describe and interpret the center of the distribution by the equal share value (mean).
 - I can find the mean given a set of data.
 - I can identify the missing number in a data set if I have the mean.
- 2.2 Summarize categorical and quantitative (numerical) data sets in relation to the context: display the distributions of quantitative (numerical) data in plots on a number line, including dot plots, histograms, and box plots and display the distribution of categorical data using bar graphs.
 - I can interpret and display data using number line, dot plot (line plot), histogram.
 - I can interpret and display data using a box- and- whisker plot.
 - I can find the median.
 - I can find the range and IQR.



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- 3.2 Order and plot integers on a number line and use distance from zero to discover the connection between integers and their opposites.
 - I can name opposites of numbers.
 - I can use words and integers to represent real-world situations and explain the meaning of zero.
 - I can find and plot integers and rational numbers on a horizontal and vertical number line.
 - I can explain and determine the absolute value (distance from zero) of rational numbers.
- 4.1 Explain the concept of a ratio, represent ratios, and use ratio language to describe a relationship between two quantities.
 - I can use ratios to compare data.
 - I can solve unit rate problems.
 - I can understand percent as a rate per 100.
 - I can explain the concept of a ratio as a relationship between two quantities using ratio language such as using part-to-part or part-to-whole.
- 4.3 Solve problems involving proportions using a variety of student-selected strategies.
 - . I can solve problems using proportions.
- 5.1 Explore area as a measurable attribute of triangles, quadrilaterals, and other polygons conceptually by composing or decomposing into rectangles, triangles, and other shapes. Find the area of these geometric figures to solve problems.
 - I can find the area of triangles.
 - I can find the area of quadrilaterals.
 - I can find the area of composite figures.
- 6.2 Determine greatest common factors and least common multiples using a variety of strategies to make sense of applicable problems.
 - I can determine common multiples of two whole numbers.
 - I can determine common factors of two whole numbers.
 - I can solve word problems involving LCM and GCF



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- 6.3 Write and read expressions that represent operations with numbers and variables in realistic situations. (sum, difference, term, product, factor, quotient, coefficient, variable, constant).
 - I can write expressions using numbers and variables to represent real life situations.
- 6.4 Evaluate expressions when given values for the variables, including expressions that arise in everyday situations.
 - I can evaluate expressions using the order of operations.
- 6.5 Apply the properties of operations to identify and generate equivalent expressions.
 - I can combine like terms to generate equivalent expressions.
 - I can use the distributive property to generate equivalent expressions.
- 7.3 Solve problems by writing and solving equations of the form x + p = q, px = q and x/p=q q for cases in which p, q and x are all nonnegative rational numbers.
 - I can solve algebraic equations.
 - I can identify and create algebraic equations from word problems.
- 7.4 Recognize and generate inequalities of the form x > c, x > c, x < c, or x < c to explain situations that have infinitely many solutions; represent solutions of such inequalities on a number line.
 - I can represent solutions of inequalities on number lines
 - I can write an inequality and understand its solution set in relation to the problem.
- 8.3 Solve problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same x- coordinate or the same y-coordinate.
 - I can locate and place an ordered pair on the coordinate plane in all 4 quadrants.
 - I can identify the quadrant of an ordered pair on the coordinate plane.
 - I can identify reflections across the x and y axes.
 - I can find the distance between 2 points on the coordinate plane.



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5.3 Geometric and Spatial Reasoning

I can use fractions to determine volume of a right rectangular prism.