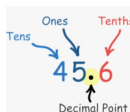


5th Grade Math - 1st Nine Weeks Syllabi



The 1st nine weeks reviews and expands on place value and understanding the base ten number system, including decimals.



The rest of the nine weeks will be spent on expanding students' knowledge of decimals and whole numbers. (adding, subtracting, multiplying, dividing, comparing)

I Can Statements

- *I recognize that digits in adjacent places represent ten times more, or $1/10$ of each other.
- *I can explain the products of multiplication by powers of ten.
- *I can read, write, and compare decimals.
- *I can round decimals to any place.
- *I can multiply using the standard algorithm.
- *I can find quotients of whole numbers.
- *I can add, subtract, multiply, and divide decimals.

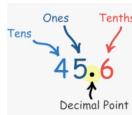
Vocabulary

digit, base ten, 10 times, one tenth of, expression, equivalent, place value, pattern, exponent, power of a number, exponential notation, scientific notation, multiple, expanded notation, expanded form, standard form, word form, digit, decimal point, tenths, hundredths, thousandths, greater than, less than, equal to, rounding, estimate, decimal, benchmark numbers, factor, product, partial products, dividend, quotient, multi-digit, standard algorithm, dividend, divisor, remainder, quotient, area model, partial quotient, array, decimal tiles, decimal operations, sum, difference, factors

5th Grade Math - 2nd Nine Weeks Syllabi



and



This nine weeks will be spent on all things fractions and decimals. Students will add, subtract, multiply, and divide fractions, mixed numbers, and whole numbers. They will be expected to solve word problems using all these skills.

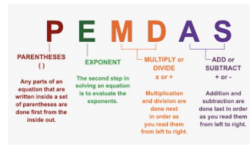
I Can Statements

- *I can add, subtract, multiply, and divide decimals.
- *I can solve addition and subtraction word problems.
- *I can interpret a fraction as division.
- *I can multiply a fraction by a whole number or another fraction.
- *I can interpret multiplication as scaling.
- *I can solve problems by multiplying fractions and mixed numbers.
- *I can divide fractions by whole numbers, and I can divide whole numbers by fractions.

Vocabulary

decimal, decimal tiles, decimal operations, quotient, sum, difference, product, factors, dividend, divisor, numerator, denominator, like denominators, unlike denominators, mixed number, equivalent, fraction, fraction, bar model, visual model, benchmark fractions, estimate, reasonableness, interpret, fraction bar, partition, visual fraction model, fractional side, area, scaling, resizing, fraction, equivalence, effect, unit fraction

5th Grade Math - 3rd Nine Weeks Syllabi



Students will learn order of operations and how to write and interpret numerical expressions. They will generate patterns and plot points on a coordinate grid.



The rest of the nine weeks will be spent exploring measurement and volume.

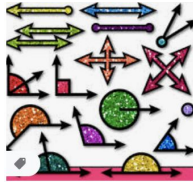
I Can Statements

- *I can use and evaluate expressions with parentheses, brackets, and braces. (PEMDAS)
- *I can write and interpret simple expressions.
- *I can generate number patterns, identify relationships, and graph points on a grid.
- *I can convert measurements in one system.
- *I can create a line plot to show fractions of a unit.
- *I understand volume and its measurement.
- *I can measure volume using unit cubes.

Vocabulary

numerical expression, evaluate, expression, order of operation, braces, brackets, parentheses, symbols, corresponding terms, number sequence, pattern, graph, quadrant, coordinate plane, ordered pairs, x-axis, y-axis, convert, inch, footyard, mile, capacity, cup, pint, fluid ounce, quart, gallon, weight, ton, pound, ounce, kilometer, meter, centimeter, millimeter, liter, milliliter, mass, milligram, gram, K, kilogram, data, line plot, outlier, redistributed, scale, volume, cube, cubic unit, unit cube, rectangular prism, formula, packing three-dimensional, cubic, rectangular prism, improvised

5th Grade Math - 4th Nine Weeks Syllabi



The major work for the 4th nine weeks is geometry. Students will continue with volume, using formulas and solving word problems. Students will also learn about the coordinate grid and how to plot points in quadrant 1. Lastly students will classify two-dimensional shapes based on attributes and properties.

The rest of the nine weeks will be spent reviewing previously taught standards to solidify their learning!

I Can Statements

- *I can solve word problems involving volume.
- *I understand the components of a coordinate grid and can graph coordinate pairs.
- *I can solve problems by graphing and interpreting points on a coordinate grid.
- *I understand classification of two-dimensional figures using subcategories.
- *I can classify two-dimensional figures in a hierarchy based on properties.

Vocabulary

volume, cube, cubic unit, unit cube, rectangular prism, formula, packing, three-dimensional, base, decompose length, width, height, perpendicular, axis, coordinate grid, coordinates, origin, ordered pair, X-axis, Y-axis X-coordinate, Y-coordinate, coordinates, points, quadrant plane, graph, line, angle, obtuse, acute, right, perpendicular, parallel, polygon, regular polygon, irregular polygon, classify, property, Venn diagram, two-dimensional figures, quadrilaterals, equilateral triangle, right triangle, obtuse triangle, attributes, category, trapezoid, parallelogram, rhombus