

# East Prairie Fifth Grade Math Pacing Guide

2016-2017

Nine Weeks:

☐ 1<sup>st</sup>

☐ 2<sup>nd</sup>

3<sup>rd</sup>

**X 4<sup>th</sup>**

Operations and Algebraic Thinking	Numbers and Operations in Base Ten	Measurement and Data	Geometry
<p>X Write and interpret numerical expressions.</p> <p>X Analyze patterns and relationships</p>	<p>X Understand the place value system</p> <p>X Perform operations with multi-digit whole numbers and with decimals to hundredths</p> <p><b>Numbers and Operations Fractions</b></p> <p>X Use equivalent fractions as a strategy to add and subtract fractions</p> <p>X Apply and extend previous understandings of multiplication and division to multiply and divide fractions.</p>	<p>X Convert like measurement units within a given measurement system.</p> <p>X Represent and interpret data</p> <p>X Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.</p>	<p>X Graph points on the coordinate plane to solve real-world and mathematical problems</p> <p>X Classify two-dimensional figures into categories based on their properties.</p>

**Common Core Standard:** *All standards will have been covered by the last month of school. The remaining weeks will be spent reviewing all of the standards using a variety of activities.*

## Yearlong Key Vocabulary by Cluster:

Operations and Algebraic Thinking	Number and Operations in Base Ten	Number and Operations Fractions	Measurement and Data	Geometry
<p>parentheses ( ), brackets [ ], braces { }, numerical expressions, order of operations, compute, simplify the expression, variable, equation, simple expressions, sum, product, numerical patterns, rules, ordered pairs, coordinate plane, sequence of numbers, frequency table, line graph, independent variable, dependent variable, constant rate of change</p>	<p>place value, whole number, number names, standard form, digit, decimal, decimal point, patterns, multiple, product, divide, tenths, hundredths, thousandths, greater than (&gt;), less than (&lt;), equal to (=), number line, compare, comparison, round, estimate, decimal notation, decimal fraction, exponent, expanded form (decimals and fractions), expanded notation,</p>	<p>fraction, equivalent, addition, sum, add, subtraction, subtract, difference, unlike denominator, numerator, benchmark fraction, estimate, reasonableness, mixed numbers, common denominator, number line, numerator, denominator, operations, multiplication, multiply, division, divide, product, quotient, partition, equal parts, factor, improper</p>	<p>conversion, convert, metric measurement, customary measurement, relative size, liquid volume, mass, length, kilometer (km), meter (m), centimeter (cm), kilogram (kg), gram (g), liter (L), milliliter (mL), inch (in), foot (ft), yard (yd), mile (mi), ounce (oz), pound (lb), cup (c), pint (pt), quart (qt), gallon (gal), hour, minute, second, line plot, fraction of a unit (1/2, 1/4, 1/8), add,</p>	<p>coordinate system, perpendicular, coordinate plane, first quadrant, points, predict, lines, axis, axes, x-axis, y-axis, horizontal, vertical, intersection of lines, origin, ordered pairs, coordinates, x-coordinate, y-coordinate, (x,y), attribute, category, subcategory, hierarchy, properties 2-dimensional, regular polygon, irregular polygon, polygon, parallelogram,</p>

	<p>benchmark numbers (0, 0.20, 0.25, 0.33, 0.5, 0.67, 0.75, 1.0, 1.5, etc.), powers of 10, base 10, equivalence, algorithms, multiplication, multiply, division, quotients, dividends, equation, rectangular arrays, area models, addition, add, subtraction, subtract, properties (associative, commutative, identity, distributive, zero), reasoning, finite decimal, repeating decimal, divisor, decompose, remainder, partial product</p>	<p>fraction, proper fraction, whole numbers, unit fraction, area, side lengths, fractional side lengths, scaling (resizing), comparing, <math>\frac{a}{b} = a \div b</math>, equation, fraction models, inverse, reciprocal, binomial</p>	<p>subtract, multiply, mean, attribute, volume, solid figure, right rectangular prism, unit, unit cube, gap, overlap, cubic units, cubic cm (<math>\text{cm}^3</math>), cubic (in<sup>3</sup>), cubic foot (<math>\text{ft}^3</math>), nonstandard cubic units, multiplication, addition, edge lengths, height, width, area of base, 3-dimensional figures, decompose, exponent, area, <math>a=l \times w</math>, <math>v=l \times w \times h</math>, <math>v=b \times h</math></p>	<p>rhombus, rhombi, rectangle, square, triangle, quadrilateral, pentagon, hexagon, cube, trapezoid, half circle, quarter circle, circle, right angle, obtuse angle, acute angle, congruent, parallel, adjacent, interior angles, scalene triangle, right triangle, equilateral triangle, obtuse triangle, acute triangle, isosceles triangle</p>
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