Suggested Pacing Guide

Marquette-Alger Counties Schools K-5 Math Common Core

Grade	Sept/Oct	Nov/Dec	Jan/Feb	Mar/Apr	May/June
K	• Counting to 100. • Writing numbers to 20. • Counting objects up to 20. • Naming and describing shapes (2D).	• Comparing #'s 1 to 10. • Identify, analyze and build 2D and 3D shapes. • Identify greater than, less than and equal to.	• Compose and decompose 11-19. • Add and subtract objects in a variety of ways. • Measureable attributes.	• Compose simple shapes to form larger shapes. • Decompose numbers up to 10. • Fluently add and subtract within 5.	• Review/mastery.
1st	• Count to 120. • Two-digit numbers as tens/ones. • 10, 20… as groups of 10. • <, >, = • Add within 20. • Word problems addition to 10. • 8+3=11 then 3+8=11. • Sub. as unknown addend. • Meaning of equal sign. • Begin data and measurement.	• Place value (10 more, 10 less). • Sub. within 20. • Sub. with word problems within 20. • Associative property of +. • Fluency of + - within 10. • Missing addend. • Understand = sign. • + and – with 3 whole numbers.	• Add within 100 understanding tens and ones. • Subtract multiples of 10. • Time to hour/half. • Data (graphs)	• Measurement-length. • Measure, use units. • Shapes and attributes. • Compose 2D shapes 3D shapes. • Halves and fourths.	• Review/mastery.
2nd	• Read and write #'s in multiple ways to 1,000. • Add and subtract within 20.0 • Odd and even #'s. • Place value. • Compare #'s.	• Word problems. • Rectangular arrays. • Add and subtract within 100. • Find missing addends.	• Word problems. • Find missing addends. • Use <, = and >. • Add 4 2-digit numbers. • Time/5 minute intervals. • Money (coins and dollars).	• Inches, feet, centimeters and meters. • Compare lengths. • Using length in equations. • Number lines. • Line plots. • Picture graph. • Bar graphs.	• Triangles, quadrilaterals, pentagons, hexagons and cubes. • Shape attributes. • Partition circles and rectangles. • Identify parts of a whole.

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3rd	• Use place value understanding and properties of operations to perform multi-digit arithmetic. • Represent and solve problems relating to multiplication and division	• Understand properties of multiplication and the relationship between multiplication and division. • Solve problems involving the four operations, and identify and explain patterns in arithmetic • Use place value understanding and properties of operations to preform multi-digit multiplication	• Develop understanding of fractions as numbers • Reason with shapes and their attributes	• Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects • Understand concepts of area and relate area to multiplication and to addition • Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.	• Represent and interpret data • Scaled picture and bar graphs to represent a data set. • Measurement using rulers marked with halves and fourths of an inch. Show data by making a line plot.
4th	• Solve problems using the four operations. • Place value to 1,000,000. • Area/ Perimeter. • Add/Subtract fluently with multi-digit numbers.	• Fractions –unit fractions. • Adding/ Subtracting like denominators. • Patterns. • Angles –concepts and measurement.	• Fractions - Multiply by whole number. - Word Problems.	• Multiply up to 4-digit numbers by a one-digit number and multiply 2, two-digit numbers. • Divide up to 4-digit numbers by a one-digit number. • Multi-step word problems. • Fractions equivalence and ordering. • Line plots. • Factors and multiples.	• Decimals and fractions. • Geometry –angles, lines, shapes, parallel, perpendicular, symmetry. • Measurement.
5th	• Understand base ten systems. • Multiply/ Divide by powers often. • Operate fluently with whole numbers decimals.	• Write and evaluate algebraic equations. • Identify relationships between independent and dependent variables. • Add and subtract fractions.	• Multiply and divide with fractions and mixed numbers. • Real world example problems using fractions. • Model (x) and (÷) of fractions.	• Measurement. • Using coordinate plane (1st Quadrant) • Attributes of 2D figures.	• Model and measure volume.

8 Math Practices: 1) Make sense of problems and persevere in solving them 2) Reason abstractly and quantitatively 3) Construct viable arguments and critique the reasoning of others 4)Model with mathematics 5) Use appropriate tools strategically 6) Attend to precision 7) Look for and make use of structure 8) Look for and express regularity in repeated reasoning