


SMMUSD GRADE FOUR MATHEMATICS CURRICULUM GUIDE - [Math Milestones](#)

TRIMESTER 1		TRIMESTER 2		TRIMESTER 3	
Unit 1: Aug-Sept Whole Number Addition and Subtraction Inspirational Math Week from Stanford's YouCubed https://www.youcubed.org/week-inspirational-math/	Unit 2: Sept-Oct. Multiplication, Division, Properties of Operations & Measurement	Unit 3: Nov-Dec Multi-digit Multiplication and Division, Using \times/\div Strategies with Larger Numbers, Variables & Measurement	Unit 4: Jan-Feb Fraction Equivalence and Comparison, Decompose/Compose Apply Fractions, Multiplying Fractions by Whole Numbers & Decimal Equivalent	Unit 5: Feb-March Operations with Fractions, Analyzing Two-Dimensional Shapes, Angle Measurement	Unit 6: March-May Data, Measurement Conversions & Algebra Unit 7: Step-up to 5 th grade
Understanding of place value from 1 to 1,000,000 and rounding multi-digit whole numbers Whole number addition and subtraction Solve multi-step word problems posed with whole numbers *Chap.7, 11, & 12 need to be addressed throughout the entire year. Administer CGI Assessment/Task	Factors and multiples, prime and composite Models and properties of operations in multiplication and division Estimate or mentally calculate products Develop fluency with efficient procedures <ul style="list-style-type: none"> Apply area and perimeter formulas and real world situations 	Relationship to multiplication and multi-digit division Using \times and \div strategies with large numbers Estimate or mentally calculate quotients Rewrite problem situations using variables Numeric and Non-numeric Patterns	Equal Sharing and Multiple Groups CGI problem types Fraction equivalence and comparison Decompose/Compose fractions Decimal fraction comparison and notation Multiply fractions by a whole number	Addition and subtraction of fractions and mixed numbers Analyzing, comparing and classifying 2-D shapes Angle measurement, angle parts are additive Symmetry 	Measurement and Conversions Interpret data (line plots) Multiplication of larger numbers and decimals Multi digit divisors
MY MATH: Chapters 1, 2 4.OA.3, 4 NBT.1, 2, 3, 4 Math Milestones PADLET OpenUp Resources Unit 4	MY MATH: Chapters 3, 8*, 4**, 6, 13 *Ch.8 only Lessons 1&2 **Can incorporate CH.12, Lessons 5 conversion 4.OA.1, 2, 3, 4 4.NBT.1, 5, 6 4.MD.3 OpenUp Resources Unit 1	MY MATH: Chapters 5, 7 See p. 9 in Extending Children's Mathematics (ECM) for partitive division 4.OA.3, 5 4.NBT. 3, 4, 5, 6 OpenUp Resources Units 5 and 6	Extending Children's Mathematics book Chapters 1, 2, 3, and p. 30 MY MATH Chapters 8, 10 4.NF.1, 2, 3b, 4.NF. 5,6 OpenUp Resources Units 2 and 3	MY MATH: Chapters 9, 13, 14 4.NF. 3, 4 4.MD.3, 5a-b, 6, 7 4.G.1, 2, 3 OpenUp Resources Units 7, 8 and 9 = trimester 3	MY MATH Chapters 11, 12 4.MD.1, 2, 4 Spiral review Test Item bank Step up to 5 th grade (online)

Structures to Support CA Content Standards/CGI/Problem Solving: Real World Math, Problem Analysis "Think Time", Partner Collaboration, Productive Struggle, Whole Group Student Share

Domains: *OA: Operations & Algebraic Thinking; MD: Measurement & Data; NBT: Numbers & Operations in Base Ten; NF = Numbers and Operations—Fractions G: Geometry*

Standards for Mathematical Practices:

MP1: Make sense of problems and persevere in solving them
MP2: Reason abstractly and quantitatively
MP3: Construct viable arguments and critique the reasoning of others
MP4: Model with mathematics

MP5: Use appropriate tools
MP6: Attend to precision
MP7: Look for and make use of structure
MP8: Look for and express regularity in repeated reasoning

Mathematical Practices 1-3-6 = connections to EL/ELD and NGSS standards: See Overview Curriculum Guide for details of grade expectations
[Math Milestones](#)

For Grade Four Mathematics, instructional time should focus on three [critical areas](#):

- (1) Developing understanding and fluency with multi-digit multiplication, and developing understanding of dividing to find quotients involving multi-digit dividends.**
- (2) Developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers.**
- (3) Understanding that geometric figures can be analyzed and classified based on their properties such as having parallel sides, perpendicular sides, particular angle measures, and symmetry.**

[Think Smart for Smarter Balance](#)—MyMath assessments [Spanish Versions](#)

[Detailed GVC Guide](#)



SANTA MONICA-MALIBU UNIFIED SCHOOL DISTRICT