

MathCore Level F (G6) Curriculum

Whole Numbers, Decimals, and Algebra

- (1) Place Value
- (2) Place Value and Powers of Ten
- (3) Compare and Order Numbers
- (4) Round and Estimate Numbers
- (5) PS Strategy: Find a Pattern
- (6) Add and Subtract Whole Numbers and Decimals
- (7) Algebra: Variables and Expressions
- (8) Algebra: Use Addition Properties
- (9) PS Decision: Estimated or Exact Answer?
- (10) Estimate Products and Quotients
- (11) Multiply Whole Numbers
- (12) Divide by One-Digit Divisors
- (13) Divide by Two-Digit Divisors
- (14) PS Strategy: Work Backward
- (15) Algebra: Use Multiplication Properties
- (16) Algebra: Order of Operations
- (17) Algebra: Use Mental Math to Solve Equations
- (18) PS Decision: Reasonable Answers
- (19) Divisibility
- (20) Prime and Composite Numbers
- (21) Prime Factorization
- (22) Greatest Common Factor
- (23) Least Common Multiple
- (24) PS Decisions: Explain Your Solution
- Fractions and Decimals
- (25) Equivalent Fractions
- (26) Relate Fractions, Mixed Numbers, and Decimals
- (27) Compare and Order Fractions and Decimals
- (28) Relate Decimals and Percents
- (29) PS Application: Interpret Remainders
- (30) Estimate Sums and Differences
- (31) Add and Subtract With Like Denominators
- (32) Add With Unlike Denominators
- (33) Subtract With Unlike Denominators
- (34) -Solving Decision: Multi-step Problems
- (35) Estimate Products and Quotients
- (36) Multiply Fractions
- (37) Multiply Mixed Numbers
- (38) Divide Fractions
- (39) Divide Mixed Numbers
- (40) PS Strategy: Solve a Simpler Problem
- (41) Algebra: Evaluate Expressions With Fractions
- (42) Explore Multiplication and Division With Decimals
- (43) Multiply Decimals
- (44) Multiply and Divide by Powers of Ten
- (45) Divide Decimals by Whole Numbers
- (46) Divide Decimals by Decimals
- (47) Terminating and Repeating Decimals
- (48) PS Application: Use Decimals
- Measurement/Data and Graphing
- (49) Measurement Concepts
- (50) Customary Units of Measure
- (51) Compute With Measures

- (52) Metric Units of Measure
- (53) Relate Customary and Metric Units of Measure
- (54) Perimeter and Area
- (55) Perimeter and Area of Rectangles and Squares
- (56) PS Decision: Identify Relevant Information
- (57) Surveys and Sampling
- (58) Bias
- (59) Measures of Central Tendency
- (60) Clusters, Gaps, and Outliers
- (61) PS Strategy: Make a List
- (62) Review Graphs
- (63) Frequency Tables and Histograms
- (64) Read and Make Double Line Graphs
- (65) Stem-and-Leaf Plots
- (66) Make a Box-and-Whisker Plot
- (67) Box-and-Whisker Plots
- (68) Misleading Data Displays
- (69) PS Application: Use a Graph
- Integers and Algebra
- (70) Integers
- (71) Compare and Order Integers
- (72) PS Strategy: Draw a Diagram
- (73) Add Integers
- (74) Subtract Integers
- (75) Model Multiplication and Division
- (76) Multiply Integers
- (77) Divide Integers
- (78) PS Decisions: Choose the Operation
- (79) Algebra: Write an Expression
- (80) Algebra: Write an Equation
- (81) Algebra: Solve Addition and Subtraction Equations
- (82) Algebra: Solve Multiplication and Division Equations
- (83) PS Application: Use Equations
- (84) Algebra: Graph Points in the Coordinate Plane
- (85) Algebra: Sequences and Patterns
- (86) Algebra: Functions
- (87) Algebra: Graph Functions
- (88) PS Application: Use Functions and Graphs
- Geometry
- (89) Basic Concepts
- (90) Angle Pairs
- (91) Transversals and Angles
- (92) Measure, Draw, and Classify Angles
- (93) Triangles and Angle Sums
- (94) Quadrilaterals and Angle Sums
- (95) PS Strategy: Use Logical Reasoning
- (96) Circles and Central Angles
- (97) Polygons
- (98) Congruent and Similar Figures
- (99) Symmetry
- (100) Transformations
- (101) PS Strategy: Find a Pattern
- (102) Construct Line Segments and Angles
- (103) Construct Bisectors

- (104) Transformations in the Coordinate Plane
- Ratio, Proportion, Percent, and Probability
- (105) Ratios and Equivalent Ratios
- (106) Rates
- (107) Algebra: Distance, Speed, and Time
- (108) Algebra: Write and Solve Proportions
- (109) PS Strategy: Write an Equation
- (110) Algebra: Scale Drawing
- (111) Percent as a Ratio
- (112) Relate Fractions, Decimals, and Percents
- (113) Compare and Order Fractions, Decimals, and Percents
- (114) Mental Math: Estimation With Percents
- (115) PS Application: Use Proportions
- (116) Find a Percent of a Number
- (117) Find a Percent
- (118) Find a Number When a Percent is Known
- (119) PS Decisions: Choose a Method
- (120) Algebra: Percent Relationships
- (121) Simple Interest
- (122) PS Strategy: Make a Table
- (123) Sales Tax and Discounts
- (124) Possible Outcomes
- (125) Theoretical Probability
- (126) Experimental Probability
- (127) Compound Events
- (128) PS Strategy: Use Models
- (129) Combinations and Permutations
- (130) PS Application: Use Data to Make Predictions
- Geometry and Measurement
- (131) Algebra: Perimeter of Polygons
- (132) Algebra: Circumference
- (133) PS Application: Make a Circle Graph
- (134) Algebra: Area of a Parallelogram
- (135) Algebra: Area of a Triangle
- (136) Algebra: Squares and Square Roots
- (137) Algebra: Area of a Circle
- (138) PS Decision: Reasonable Answers
- (139) Solid Figures
- (140) Two-Dimensional Views of Solid Figures
- (141) Estimate Volume
- (142) Algebra: Volume of Rectangular Prisms
- (143) Algebra: Surface Area
- (144) Algebra: Volume of Other Solids
- (145) PS Application: Use a Formula
- Rational Numbers and Algebra
- (146) Rational Numbers
- (147) Compare and Order Rational Numbers
- (148) Rational Numbers and Their Properties
- (149) Order of Operations With Rational Numbers
- (150) PS Application: Use Rational Numbers
- (151) Algebra: Expressions With Rational Numbers
- (152) Algebra: Write Expressions with Rational Numbers
- (153) Algebra: Equations With Rational Numbers
- (154) PS Strategy: Guess and Check
- (155) Algebra: Inequalities

Cupertino Location:

7250 Bark Lane, San Jose CA 95129
(408) 725-2680, mathedge@gmail.com

Fremont (Mission) Location:

43385 Ellsworth Street, Fremont CA 94539
(510) 818-0546, mathedge.fremont@gmail.com



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