

# MathCore Level D (G4) Curriculum

## Place Value and Money

- (1) Uses of Numbers
- (2) Place Value Through Hundred Thousands
- (3) Use Logical Reasoning
- (4) How Big Is One Million?
- (5) Place Value Through Hundred Millions
- (6) Compare Numbers
- (7) Order Numbers
- (8) Compare and Order Money
- (9) Make Change
- (10) Round Numbers
- (11) Use a Bar Graph

## Operations and Algebraic Reasoning

- (12) Addition Properties and Subtraction Rules
- (13) Mental Math Strategies
- (14) Estimate Sums and Differences
- (15) Estimate or Exact Answer
- (16) Add Whole Numbers
- (17) Subtract Whole Numbers
- (18) Subtract Across Zeros
- (19) Add and Subtract Greater Numbers
- (20) Multiplication Properties and Division Rules
- (21) Relate Multiplication and Division
- (22) Patterns in Multiplication and Division
- (23) Multiplication and Division Facts to Five
- (24) Multiplication and Division Facts to ten
- (25) Multiply and Divide with 11 and 12
- (26) Multiply Three Factors
- (27) Division With Remainders
- (28) PS Strategy: Choose the Operation
- (29) Order of Operations
- (30) Words Into Expressions
- (31) Compare Expressions
- (32) Variables and Equations
- (33) PS Strategy: Write an Equation
- (34) Function Tables
- (35) PS Decision: Explain Your Solution

## Multiplication of Whole Numbers

- (36) Multiply Multiples of 10, 100, and 1,000
- (37) Estimate Products
- (38) Model Multiplication by One-Digit Numbers
- (39) Multiply Two-Digit Numbers by One-Digit Numbers
- (40) PS Strategy: Guess and Check
- (41) Multiply Three-Digit Numbers by One-Digit Numbers
- (42) Multiply Greater Numbers
- (43) Patterns With Multiples of 10, 100, and 1,000
- (44) Estimate Products
- (45) Model Multiplication
- (46) Multiply 2 Two-Digit Numbers
- (47) PS Decision: Reasonable Answers
- (48) Multiply Three-Digit Numbers by Two-Digit Numbers
- (49) Multiply Greater Numbers

## Division of Whole Numbers

- (50) Model Division
- (51) Divide With Remainders
- (52) PS Application: Interpret Remainders
- (53) Regroup In Division
- (54) Regroup In Division and 1,000.
- (55) Estimate Quotients
- (56) Three-Digit Quotients
- (57) Three-Digit Quotients of the Quotient
- (58) Divide Money
- (59) Zeros in the Quotient
- (60) PS Strategy: Work Backward
- (61) Divide Greater Numbers
- (62) Factors and Multiples
- (63) Prime and Composite Numbers
- (64) PS Strategy: Solve a Simpler Problem
- (65) Averages
- (66) Find Averages
- (67) Mental Math: Divide by Multiples of 10
- (68) Estimate Quotients
- (69) Model Division by Two-Digit Divisors
- (70) One-Digit Quotients
- (71) Two-Digit Quotients
- (72) Adjust the Quotient
- (73) Focus on Problem-Solving: Multi-step Problems

## Measurement and Graphing

- (74) Explore Customary Units of Length
  - (75) Inch, Foot, Yard, Mile
  - (76) Customary Units of Capacity
  - (77) Customary Units of Weight
  - (78) Focus on Problem Solving: Too Much or Too Little Information
  - (79) Explore Metric Units of Length
  - (80) Metric Units of Length
  - (81) Metric Units of Capacity
  - (82) Explore Metric Units of Mass
  - (83) Calendar
  - (84) Elapsed Time
  - (85) PS Strategy: Guess and Check
  - (86) Temperature and Negative Numbers
  - (87) PS Application: Use Temperature
  - (88) Collect and Organize Data
  - (89) PS Strategy: Make a Table
  - (90) Mean, Median, Mode, and Range
  - (91) Line Plots
  - (92) Stem-and-Leaf Plots
  - (93) Lesson 15.1 - Double Bar Graphs
  - (94) Lesson 15.2 - Circle Graphs
  - (95) PS Application: Interpret a Line Graph
  - (96) Read and Make Line Graphs
  - (97) Analyze Graphs
- ## Geometry and Measurement
- (98) Points, Lines, and Line Segments
  - (99) Rays and Angles
  - (100) Measure Angles
  - (101) Quadrilaterals and Other Polygons
  - (102) Classify Triangles
  - (103) PS Strategy: Find a Pattern

- (104) Circles
  - (105) Congruent Figures
  - (106) Rotations, Reflections, and
  - (107) PS Strategy: Act It Out
  - (108) Symmetry
  - (109) PS Application: Visual Thinking
  - (110) Explore Perimeter and Area
  - (111) Perimeter
  - (112) Area
  - (113) Perimeter and Area of Complex Figures
  - (114) Solid Figures and Nets
  - (115) Volume
  - (116) PS Application: Use Formulas
- ## Fractions and Decimals
- (117) Represent Fractions
  - (118) Lesson Explore Equivalent Fractions
  - (119) Equivalent Fractions and Simplest Form
  - (120) Compare and Order Fractions
  - (121) Find Part of a Number
  - (122) PS Strategy: Draw a Picture
  - (123) Mixed Numbers and Improper Fractions
  - (124) Add and Subtract Fractions with Like Denominators
  - (125) Add and Subtract Mixed Numbers
  - (126) PS Application: Decide How to Write the Quotient
  - (127) Estimate with Fractions
  - (128) PS Decision: Choose a Method
  - (129) Add Fractions With Unlike Denominators
  - (130) Subtract Fractions With Unlike Denominators
  - (131) PS Application: Use a Circle Graph
  - (132) Tenths and Hundredths
  - (133) Thousandths
  - (134) Mixed Numbers and Decimals
  - (135) Fraction and Decimal Equivalents
  - (136) PS Strategy: Find a Pattern
  - (137) Compare and Order Decimals
  - (138) Compare and Order Decimals and Mixed Numbers
  - (139) Round Decimals
  - (140) Estimate Decimal Sums and Differences
  - (141) Explore Addition and Subtraction of Decimals
  - (142) Add and Subtract Decimals
  - (143) PS Application: Use Decimals
- ## (1) Probability/Algebra and Graphing
- (144) Probability
  - (145) Probability as a Fraction
  - (146) Make Predictions
  - (147) PS Strategy: Make an Organized List
  - (148) Find Probability
  - (149) Locate Points on a Grid
  - (150) Graph Ordered Pairs
  - (151) Graph Functions
  - (152) Integers
  - (153) PS Application: Use a Graph

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