MathCore Level E (G5) Curriculum

Place Value of Whole Numbers and Decimals
(1) Place Value Through Hundred Thousands
(2) Value and Exponents
(3) Place Value Through Hundred Billions
(4) Compare, Order, and Round Whole Numbers
(5) Place Value Through Thousandths
(6) PS Strategy: Find a Pattern
(7) Compare, Order, and Round Decimals
(8) Algebra: Expressions and Addition Properties
(9) Estimate Sums and Differences
(10) Add and Subtract Whole Numbers
(11) Add and Subtract Greater Numbers
(12) Algebra: Addition and Subtraction
(13) PS Decisions: Relevant Information
Multiplication, Division, and Algebra
(14) Algebra: Expressions and Multiplication Properties
(15) Model the Distributive Property
(16) PS Strategy: Use Logical Reasoning
(17) Multiply by One-Digit Numbers
(18) Algebra: Mental Math: Patterns in Multiples of 10
(19) Estimate Products
(20) Multiply by Two-Digit Numbers
(21) PS Decision: Explain Your Solution
(22) Estimate Quotients
(23) One-Digit Divisors
(24) PS Application: Use Operations
(25) Divisibility
(26) Zeros in the Quotient
(27) PS Strategy: Guess and Check
(28) Algebra: Solve Equations
(29) Divide by Multiples of 10, 100, and 1,000
(30) Divide by Two-Digit Divisors
(31) PS Strategy: Work Backward
(32) Adjusting Quotients
(33) Division With Greater Numbers
(34) Algebra: Order of Operations
(35) PS Application: Interpret Remainders
Measurement/Data and Graphing
(36) Measurement Concepts
(37) Customary Units of Length
(38) Customary Units of Weight and Capacity
(39) Metric Units of Length
(40) Metric Units of Mass and Capacity
(41) Adding and Subtracting Measurements
(42) PS Decisions: Multi-step Problems
(43) Double Bar Graphs
(44) Histograms
(45) Line and Double Line Graphs
(46) Choose an Appropriate Graph
(47) Misleading Graphs
(48) PS Decisions: Relevant Information
(49) Collect and Organize Data
(50) Mean, Median, Mode, and Range
(51) Make and Use a Stem-and-Leaf Plot
(52) PS Strategy: Make a Table

(53) Draw Conclusions and Make Predictions
Addition and Subtraction of Fractions and Decimals
(54) Prime and Composite Numbers
(55) Prime Factorization
(56) Greatest Common Factor
(57) Least Common Multiple
(58) Fractions and Mixed Numbers
(59) Equivalent Fractions and Simplest Form
(60) PS Strategy: Use Logical Reasoning
(61) Hands-On: Relate Fractions, Mixed Numbers, and Decimals
(62) Compare and Order Fractions and Decimals
(63) Estimate With Fractions
(64) Add With Like Denominators
(65) Add Fractions With Unlike Denominators
(66) Add Mixed Numbers With Unlike Denominators
(67) Subtract With Like Denominators
(68) Subtract Fractions With Unlike Denominators
(69) PS Strategy: Draw a Diagram
(70) Subtract Mixed Numbers With Unlike Denominators
(71) Explore Addition and Subtraction With Decimals
(72) Add Decimals
(73) Subtract Decimals
(74) Estimate Decimal Sums and Differences
(75) PS Decisions: Choose a Method
Multiplication and Division of Fractions and Decimals
(76) Model Multiplication
(77) Multiply Fractions
(78) Multiply With Mixed Numbers
(79) Model Division
(80) Divide Fractions
(81) Divide Mixed Numbers
(82) PS Decisions: Choose the Operation
(83) Explore Multiplication
(84) Multiply Whole Numbers and Decimals
(85) Estimate Products
(86) Multiply Decimals
(87) Zeros in the Product
(88) PS Decisions: Reasonable Answers
(89) Explore Division With Decimals
(90) Estimate Quotients
(91) Mental Math: Multiply and Divide by Powers of 10
(92) Divide a Decimal by a Whole Number
(93) Write Zeros in the Dividend
(94) Repeating Decimals
(95) Divide a Decimal by a Decimal
(96) PS Application: Decide How to Write the Quotient
Geometry and Measurement
(97) Points, Lines, and Rays
(98) Measure, Draw, and Classify Angles

(99) Triangles
(100) Congruence
(101) Quadrilaterals and Other Polygons
(102) Rotations, Reflections, and Translations
(103) PS Strategy: Make a Model
(104) Circles
(105) Symmetry
(106) Perimeter
(107) PS Strategy: Find a Pattern
(108) Algebra: Area of a Parallelogram
(109) Algebra: Area of a Triangle
(110) Perimeter and Area of Irregular Figures
(111) Algebra: Circumference of a Circle
(112) Solid Figures
(113) Two-Dimensional Views of Solid Figures
(114) Nets
(115) Surface Area
(116) PS Strategy: Solve a Simpler Problem
(117) Volume
(118) PS Application: Use Formulas
Ratio, Proportion, Percent, and Probability
(119) Ratios
(120) Equivalent Ratios
(121) Rates
(122) Proportions
(123) Similar Figures and Scale Drawings
(124) PS Decision: Estimate or an Exact Answer?
(125) Understand Percent
(126) Relate Fractions, Decimals, and Percents
(127) Compare Fractions, Decimals, and Percents
(128) Find 10% of a Number
(129) Percent of a Number
(130) PS Application: Use Circle Graphs
(131) Make Choices
(132) Probability Concepts
(133) Theoretical Probability
(134) PS Strategy: Make an Organized List
(135) Experimental Probability
(136) Compound Events
(137) PS Application: Make Predictions
Algebra, Integers, and Coordinate Graphing
(138) Algebra: Model Equations
(139) Algebra: Write and Solve Equations
(140) PS Strategy: Write an Equation
(141) Algebra: Variables and Functions
(142) Algebra: Patterns and Functions
(143) Integers and Absolute Value
(144) Compare and Order Integers
(145) Model Addition of Integers
(146) Model Subtraction of Integers
(147) Add and Subtract Integers
(148) PS Application: Use Integers
(149) Integers and the Coordinate Plane
(150) Integers and Functions
(151) Algebra: Use Functions and Graphs
(152) PS Application: Use a Graph
(153) Transformations in the Coordinate Plane

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