

Everyday Mathematics
Correlated to
Academic Language Notebooks: The Language of Math
Grade 4

Everyday Mathematics Lessons	Academic Language Notebooks Module Number and Name
Unit 1	
Naming & Constructing Geometric Figures	
1.1 Introduction to the Student Reference Book	
1.2 Points, Line Segments, Lines, and Rays	21. Points, Lines, Line Segments, Rays, and Angles
1.3 Angles, Triangles, and Quadrangles	21. Points, Lines, Line Segments, Rays, and Angles
1.4 Parallelograms	22. Polygons and Circles
1.5 Polygons	22. Polygons and Circles
1.6 Drawing Circles with a Compass	22. Polygons and Circles
1.7 Circle Constructions	22. Polygons and Circles
1.8 Hexagon and Triangle Constructions	22. Polygons and Circles
1.9 Progress Check 1	
Unit 2	
Using Numbers & Organizing Data	
2.1 A Visit to Washington, D.C.	
2.2 Many Names for Numbers	2. Compare and Order Whole Numbers
2.3 Place Value in Whole Numbers	1. Place Value
2.4 Place Value with a Calculator	1. Place Value
2.5 Organizing and Displaying Data	19. Collect and Organize Data
2.6 The Median	19. Collect and Organize Data
2.7 Addition of Multidigit Numbers	5. Mental Health
2.8 Displaying Data with Graphs	20. Read and Make Graphs
2.9 Subtraction of Multidigit Numbers	5. Mental Health
2.10 Progress Check 2	
Unit 3	
Multiplication & Division; Number Sentences & Algebra	
	13. Algebraic Expressions 14. Algebraic Equations
3.1 What's My Rule?	
3.2 Multiplication Facts	7. Multiplication and Division Concepts
3.3 Multiplication Facts Practice	7. Multiplication and Division Concepts
3.4 More Multiplication Facts	9. Multiplication and Division Facts
3.5 Multiplication and Division	
3.5 World Tour: Flying to Africa	
3.6 Finding Air Distances	17. Measures of Length (Customary and Metric)
3.7 A Guide for Solving Number Stories	
3.8 True or False Number Sentences	13. Algebraic Expressions
3.9 Parentheses in Number Sentences	13. Algebraic Expressions
3.10 Open Sentences	13. Algebraic Expressions
3.12 Progress Check 3	
Unit 4	
Decimals & Their Uses	
4.1 Decimal Place Value	30. Decimal Concepts
4.2 Review of Basic Decimal Concepts	30. Decimal Concepts
4.3 Comparing and Ordering Decimals	30. Decimal Concepts
4.4 Estimating with Decimals	30. Decimal Concepts
4.5 Decimal Addition and Subtraction	30. Decimal Concepts
4.6 Decimals in Money	4. Money

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4.7 Thousandths	1. Place Value
4.8 Metric Units of Length	17. Measures of Length (Customary and Metric)
4.9 Personal References for Metric Length	17. Measures of Length (Customary and Metric)
4.10 Measuring in Millimeters	17. Measures of Length (Customary and Metric)
4.11 Progress Check 4	
Unit 5	
Big Numbers, Estimation, and Computation	
5.1 Extended Multiplication Facts	9. Multiplication and Division Facts
5.2 Multiplication Wrestling	
5.3 Estimating Sums	6. Estimation
5.4 Estimating Products	12. Mental Math and Estimation with Multiplication and Division
5.5 The Partial-Products Multiplication (Part 1)	14. Algebraic Equations
5.6 The Partial-Products Multiplication (Part 2)	14. Algebraic Equations
5.7 Lattice Multiplication	
5.8 Big Numbers	
5.9 Powers of 10	
5.10 Rounding and Reporting Large Numbers	3. Round Whole Numbers
5.11 Comparing Data	
5.12 Progress Check 5	
Unit 6	
Division; Map Reference Frames; Measures of Angles	
6.1 Multiplication and Division Number Stories	8. Multiplication Properties and Division Rules
6.2 Strategies for Division	8. Multiplication Properties and Division Rules
6.3 The Partial-Quotients Division Algorithm, Part 1	14. Algebraic Equations
6.4 Expressing and Interpreting Remainders	11. Model Division by 1- and 2-Digit Numbers
6.5 Rotations and Angles	23. Transformations and Symmetry
6.6 Using a Full-Circle Protractor	
6.7 The Half-Circle Protractor	
6.8 Rectangular Coordinate Grids for Maps	20. Read and Make Graphs
6.9 The Global Coordinate Grid System	
6.10 The Partial-Quotients Division Algorithm, Part 2	14. Algebraic Equations
6.11 Progress Check 6	
Unit 7	
Fractions and Their Uses; Chance and Probability	
7.1 Review of Basic Fraction Concepts	26. Read and Write Fractions
7.2 Fractions of Sets	27. Compare and Order Equivalent Fractions
7.3 Probabilities When Outcomes Are Equally Likely	
7.4 Pattern-Block Fractions	
7.5 Fraction and Mixed-Number Addition and Subtraction	29. Add and Subtract Fractions and Mixed Numbers with Like and Unlike Denominators
7.6 Many Names for Fractions	27. Compare and Order Equivalent Fractions
7.7 Equivalent Fractions	27. Compare and Order Equivalent Fractions
7.8 Fractions and Decimals	30. Decimal Concepts
7.9 Comparing Fractions	27. Compare and Order Equivalent Fractions

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7.10 The ONE for Fractions	
7.11 Probability, Fractions, and Spinners	
7.12 A Cube-Drop Experiment	
7.12a Multiplying Fractions by Whole Numbers	
7.13 Progress Check 7	
Unit 8	
Perimeter and Area	
8.1 Kitchen Layouts and Perimeter	24. Perimeter and Area
8.2 Scale Drawings	24. Perimeter and Area
8.3 Area	24. Perimeter and Area
8.4 What is the Area of My Skin?	24. Perimeter and Area
8.5 Formula for the Area of a Rectangle	24. Perimeter and Area
8.6 Formula for the Area of a Parallelogram	24. Perimeter and Area
8.7 Formula for the Area of a Triangle	24. Perimeter and Area
8.8 Geographical Area Measurements	24. Perimeter and Area
8.9 Progress Check 8	
Unit 9	
Percents	
9.1 Fractions, Decimals, and Percents	26. Read and Write Fractions 30. Decimal Concepts
9.2 Converting "Easy" Fractions to Decimals and Percents	26. Read and Write Fractions 30. Decimal Concepts
9.3 Using a Calculator to Convert Fractions to Decimals	
9.4 Using a Calculator to Convert Fractions to Percents	
9.5 Conversions among Fractions, Decimals, and Percents	26. Read and Write Fractions 30. Decimal Concepts
9.6 Comparing the Results of a Survey	19. Collect and Organize Data
9.7 Comparing Population Data	19. Collect and Organize Data
9.8 Multiplication of Decimals	30. Decimal Concepts
9.9 Division of Decimals	30. Decimal Concepts
9.10 Progress Check 9	
Unit 10	
Reflections and Symmetry	23. Transformations and Symmetry
10.1 Explorations with a Transparent Mirror	
10.2 Finding Lines of Reflections	23. Transformations and Symmetry
10.3 Properties of Reflections	23. Transformations and Symmetry
10.4 Line Symmetry	23. Transformations and Symmetry
10.5 Frieze Patterns	
10.6 Positive and Negative Numbers	
10.7 Progress Check 10	
Unit 11	
3-D Shapes, Weight, Volume, and Capacity	
11.1 Weight	18. Measures of Capacity and Weight/Mass (Customary and Metric)

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11.2 Geometric Solids	25. Solid Figures and Volume
11.3 Constructing Geometric Solids	25. Solid Figures and Volume
11.4 A Volume Exploration	25. Solid Figures and Volume
11.5 A Formula for the Volume of Rectangular Prisms	25. Solid Figures and Volume
11.6 Subtraction of Positive and Negative Numbers	
11.7 Capacity	18. Measures of Capacity and Weight/Mass (Customary and Metric)
11.8 Progress Check 11	
Unit 12	
Rates	
12.1 Introducing Rates	
12.2 Solving Rate Problems	
12.3 Converting between Rates	
12.4 Comparison Shopping: Part 1	
12.5 Comparison Shopping: Part 2	
12.6 World Tour Wrap-Up	
12.7 Progress Check 12	