Math Content: Grade 5

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Lesson 1:   Numeration Review

Unit 1.1   Place Values
Unit 1.2   Conversion between Place Values
Unit 1.3   Comparing and Ordering Numbers
Unit 1.4   Place Value on Decimals
Unit 1.5   Comparing and Ordering Decimals
Unit 1.6   Problem Solving Using Patterns
Unit 1.7   Math Challenges

Lesson 2:   Add and Subtract Whole Numbers and Decimals Part I

Unit 2.1   Mental Math on Addition and Subtraction
Unit 2.2   Addition and Subtraction Problem Solving
Unit 2.3   Addition and Subtraction Properties
Unit 2.4   Rounding Whole Numbers and Decimals
Unit 2.5   Estimating Sums and Differences
Unit 2.6   Math Challenges

Lesson 3:   Add and Subtract Whole Numbers and Decimals Part II

Unit 3.1   Add and Subtract Whole numbers and Decimals
Unit 3.2   Problem Solving and Write Equations
Unit 3.3   Adding and Subtracting Decimals
Unit 3.4   Adding and Subtracting Money
Unit 3.5   Problem Solving Multistep Problem
Unit 3.6   Math Challenges

Lesson 4:   Multiplying Whole Numbers Part I

Unit 4.1   Multiplication Properties
Unit 4.2   Using Mental Math to Multiply
Unit 4.3   Estimating Products
Unit 4.4   Multiplying by 1-Digit Numbers
Unit 4.5   Multiplying by 2-Digit Numbers
Unit 4.6   Multiplying by 3-Digit Numbers
Unit 4.7   Math Challenges

Review of Lesson 1, 2, 3, and 4

Lesson 5: Multiplying Whole Numbers Part II

Unit 5.1	Multiplying Greater Numbers
Unit 5.2	Multiplying Numbers Ending at Zero
Unit 5.3	Multiplying 3 Numbers
Unit 5.4	Concepts of Exponents
Unit 5.5	Multiplication Inequalities
Unit 5.6	Problem Solving and Write Equations
Unit 5.7	Math Challenges

Lesson 6: Division: 1-Digit Divisor

Unit 6.1	Connecting Models and Symbols
Unit 6.2	Estimating Quotients
Unit 6.3	Division Using 1-Digit Divisors
Unit 6.4	Zeros in the Quotient
Unit 6.5	Dividing by Multiples of 10 and 100
Unit 6.6	Prime and Composite Numbers
Unit 6.7	Problem Solving and Write Equations
Unit 6.8	Math Challenges

Lesson 7: Division: 2-Digit Divisor

Unit 7.1	Use of Patterns in Division
Unit 7.2	Estimating Quotients
Unit 7.3	Dividing by Multiples of 10
Unit 7.4	Dividing the Numbers Ending at Zero
Unit 7.5	1-Digit and 2-Digit Quotients
Unit 7.6	Dividing with Greater Numbers
Unit 7.7	Inequalities with Divisions
Unit 7.8	Problem Solving Multistep Problems
Unit 7.9	Math Challenges

Lesson 8: Variables and Expressions

Unit 8.1	Concept of Variables and Expressions
Unit 8.2	Patterns and Expression
Unit 8.3	Evaluate Variable Expression
Unit 8.4	Distributive Property
Unit 8.5	Order of Operations
Unit 8.6	Addition and Subtraction of Expressions
Unit 8.7	Writing Multiplication Expressions Using Exponents
Unit 8.8	Evaluating Exponent Expressions

Unit 8.9   Math Challenges

Lesson 9:   Multiplying and Dividing Decimals Part I

Unit 9.1   Multiplying Decimals by the Power of 10
Unit 9.2   Multiplying Decimals by a Whole Numbers
Unit 9.3   Estimation of the Product of a Decimal Number and a Whole Number
Unit 9.4   Multiplication of Two Decimal Numbers
Unit 9.5   Multiplying Money Amount
Unit 9.6   Dividing Decimals by the Power of 10
Unit 9.7   Math Challenges

Lesson 10:   Multiplying and Dividing Decimals Part II

Unit 10.1   Dividing Decimals by Whole Numbers
Unit 10.2   Dividing Decimals by Whole Numbers with Rounding
Unit 10.3   Dividing a Decimal by a Decimal
Unit 10.4   Dividing Money Amount
Unit 10.5   Inequalities of Decimals
Unit 10.6   Problem Solving Multistep Problems
Unit 10.7   Math Challenges

Lesson 11:   Shapes

Unit 11.1   Basic Concepts, Parallel, and Perpendicular Lines
Unit 11.2   Measuring and Classifying Angles
Unit 11.3   Regular and Irregular Polygons
Unit 11.4   Classify Triangles
Unit 11.5   Quadrilaterals
Unit 11.6   Finding Unknown Angles in Triangles and Quadrilaterals
Unit 11.7   Math Challenges

Lesson 12:   Fractions Part I

Unit 12.1   Meaning of Fractions
Unit 12.2   Fractions and Divisions
Unit 12.3   Convert between Mixed Number and Improper Fractions
Unit 12.4   Equivalent Fractions
Unit 12.5   Reduce Fraction to Simplest Form
Unit 12.6   Ordering Fractions
Unit 12.7   Comparing and Ordering Fractions and Mixed Numbers
Unit 12.8   Math Challenges

Lesson 13: Fractions Part II

Unit 13.1	Factors and Common Factors
Unit 13.2	Greatest Common Factor (GCF)
Unit 13.3	Tenths, Hundredths, and Thousandths
Unit 13.4	Fractions and Decimals on the Number Line
Unit 13.5	Order Decimals, Fractions, and Mixed Numbers
Unit 13.6	Problem Solving
Unit 13.7	Math Challenges

Lesson 14: Fraction and Mixed Numbers Operation Part I

Unit 14.1	Adding and Subtracting Fractions with Like Denominators
Unit 14.2	Multiples and Common Multiples
Unit 14.3	Least Common Multiples (LCM)
Unit 14.4	Adding and Subtracting Fractions with Unlike Denominators
Unit 14.5	Addition of Three or More Fractions with Like/Unlike Denominators
Unit 14.6	Adding and Subtracting Mixed Numbers
Unit 14.7	Problem Solving
Unit 14.8	Math Challenges

Lesson 15: Fraction and Mixed Numbers Operation Part II

Unit 15.1	Multiplying Fractions and Whole Numbers
Unit 15.2	Multiplying Two Fractions
Unit 15.3	Multiplying Three Fractions
Unit 15.4	Multiplying Mixed Numbers and Whole Numbers
Unit 15.5	Multiplying Mixed Numbers and Mixed Numbers
Unit 15.6	Dividing Fractions
Unit 15.7	Dividing Fractions and Mixed Numbers
Unit 15.8	Problem Solving
Unit 15.9	Math Challenges

Lesson 16: Perimeter and Area

Unit 16.1	Perimeters of all Kinds of Shapes
Unit 16.2	Area of Squares and Rectangles
Unit 16.3	Area of Parallelograms and Trapezoids
Unit 16.4	Area of Triangles
Unit 16.5	Area of a Compound Figure
Unit 16.6	Math Challenges

Review of Lesson 13, 14, 15, and 16

Lesson 17: Shapes and solids Part I

Unit 17.1	Circles and Circumference
Unit 17.2	Problem Solving: Draw a Picture toMake an Organized List
Unit 17.3	Solids
Unit 17.4	Shapes and Solids
Unit 17.5	Surface Area
Unit 17.6	Math Challenges

Lesson 18: Shapes and solids Part II

Unit 18.1	Views of Solids from Different Perspectives
Unit 18.2	Volume
Unit 18.3	Irregular Shapes and Solids
Unit 18.4	Problem Solving
Unit 18.5	Math Challenges

Lesson 19: Measurement Units, Time, and Temperature Part I

Unit 19.1	Customary Units
Unit 19.2	Metric Units
Unit 19.3	Units of Weight and Mass
Unit 19.4	Compare and Convert Customary Units
Unit 19.5	Compare and Convert Metric Units
Unit 19.6	Operations with Mixed Units
Unit 19.7	Math Challenges

Lesson 20: Measurement Units, Time, and Temperature Part II

Unit 20.1	Converting Customary and Metric Units
Unit 20.2	Elapsed Time
Unit 20.3	Time Lines and Schedules
Unit 20.4	Temperature Change
Unit 20.5	Problem Solving
Unit 20.6	Math Challenges

Review of Lesson 17, 18, 19, and 20

Lesson 21: Solving Equations

Unit 21.1	Equations and Their Properties
Unit 21.2	Addition and Subtraction
Unit 21.3	Multiplication and Division
Unit 21.4	Inequalities
Unit 21.5	Patterns and Equations
Unit 21.6	Problem Solving and Writing Equations

Lesson 26: Transformation, Congruence, and Symmetry

Unit 26.1   Reflections
Unit 26.2   Translations
Unit 26.3   Rotations
Unit 26.4   Congruence
Unit 26.5   Similarities
Unit 26.6   Line of Symmetry and Rotational Symmetry
Unit 26.7   Problem Solving
Unit 26.8   Math Challenges

Lesson 27: Probability

Unit 27.1   Outcomes
Unit 27.2   Calculate Probability as a Fraction
Unit 27.3   Experiments and Predictions
Unit 27.4   Combination
Unit 27.5   Problem Solving
Unit 27.6   Math Challenges
Review of Lesson 1 to 14
Review of Lesson 15 to 27