

4th Grade GPA Curriculum

| GPA Code | CCSS Code | Lesson Title | Lesson Skills | Lesson Category |
|----------|-----------|---|--|-----------------|
| M-41010 | 4.OA.A.3 | The Problem Solving Process | Solving Word Problems Addition Subtraction | Addition |
| M-41020 | 4.OA.A.3 | Relative vs. Extraneous Information | Solving Word Problems Addition Subtraction Finding Important Information | Addition |
| M-41030 | 4.OA.A.3 | Evaluating Algebraic Expressions and Equations | Algebra Solving for Variables Addition Subtraction | Addition |
| M-41040 | 4.OA.C.5 | Non-numeric Patterns | Geometric Patterns Non-numeric Patterns | Attribute-sort |
| M-41050 | 4.OA.C.5 | Patterns on a Hundreds Chart | 100 Chart Patterns Addition Subtraction | Hundreds-chart |
| M-41060 | 4.OA.C.5 | Addition Patterns | Addition Patterns with Frames and Arrows Addition Patterns with Function Machines | Addition |
| M-41070 | 4.OA.C.5 | Find the Rule: Addition Patterns | Solving Word Problems Addition Patterns | ExTending-table |
| M-41080 | 4.OA.C.5 | Subtraction Patterns | Subtraction Patterns with Frames and Arrows Subtraction Patterns with Function Machines | ExTending-table |
| M-41090 | 4.OA.C.5 | Find the Rule: Subtraction Patterns | Solving Word Problems Subtraction Patterns | Subtraction |
| M-41100 | 4.OA.C.5 | Extend Patterns with Mixed Operations | Solving Word Problems Finding Patterns Extending Patterns | Number-line |
| M-41110 | 4.OA.C.5 | Problem Solving: Extending Patterns | Solving Word Problems Finding Patterns Extending Patterns Patterns with Multiple Operations | Number-line |
| M-41120 | 4.OA.A.3 | Estimating Sums: Round and Adjust | Round to Estimate Estimate with Addition | Estimate |
| M-41130 | 4.OA.A.3 | Problem Solving: Evaluate Reasonableness | Solving Word Problems Identify Reasonable Answers Check for Reasonableness with Estimation | Estimate |
| M-41140 | 4.OA.A.3 | Problem Solving: Estimate vs. Actual | Solving Word Problems Deciding to Estimate Finding Actual Answer | Estimate |
| M-41150 | 4.OA.A.3 | Addition: Mental Math | Mental Math Addition to 100,000 Partial Sums Algorithm | Addition |
| M-41160 | 4.OA.A.3 | Verbal Connection: Addition and Subtraction | Solving Word Problems Words that Indicate Addition Words that Indicate Subtraction | Subtraction |
| M-41170 | 4.OA.A.3 | Estimating Differences | Estimation Rounding Subtraction Standard Algorithm | Estimate |
| M-41180 | 4.OA.A.3 | Subtraction: Mental Math | Mental Math Subtraction through 100,000 Standard Algorithm | Subtraction |
| M-41190 | 4.OA.A.3 | Problem Solving: 2-Steps, One Operation | Solve Word Problems Addition Problems with 2 Steps Subtraction Problems with 2 Steps | Subtraction |
| M-41200 | 4.OA.A.3 | Solve Equations with Parentheses | Understand PEMDAS Apply PEMDAS Use Parentheses to Separate Expressions | Pemdas |
| M-41210 | 4.OA.A.3 | Problem Solving: 2-Steps, Multi-Operation | Solve Word Problems Apply PEMDAS to Word Problems Write Equations to Solve Use Addition, Subtraction, and Multiplication | Multiplication |
| M-41220 | 4.OA.B.4 | Modeling Factors | Use Arrays to Model Factors Understand Parts of a Multiplication Sentence Model Arrays on a Grid | Multiplication |
| M-41230 | 4.OA.B.4 | Determining Factors and Factor Pairs | Identify Factors Identify Factor Pairs Model with Arrays | Multiplication |
| M-41240 | 4.OA.B.4 | Problem Solving: Using Common Factors | Solve Word Problems Find Common Factors Make a List of Factors | Multiplication |
| M-41250 | 4.OA.B.4 | Prime and Composite Numbers | Identify Prime Numbers Identify Composite Numbers Use Factors to Determine Prime and Composite | Number |
| M-41260 | 4.OA.B.4 | Determine Multiples | Determine Multiples of a Number Use Arrays to Model Use Skip Counting to Show Multiples | Multiplication |
| M-41265 | 4.OA.B.4 | Finding Common Multiples | Determine Common Multiples of a Number Determine the Least Common Multiple | Multiplication |
| M-41270 | 4.OA.B.4 | Factors and Multiples | Determine Multiples Determine Factors Solve for Factors and Multiples | Multiplication |
| M-41280 | 4.OA.A.3 | Estimate Products: Round and Adjust | Estimate Products Round to the Nearest 10, 100, or 1,000 Use 1-Digit Multipliers | Multiplication |
| M-41290 | 4.OA.A.3 | Problem Solving: Estimating with Multiplication | Solve Word Problems Use Ballpark Estimation to Predict Use Ballpark Estimation to Check | Estimate |
| M-41300 | 4.OA.A.3 | Multiplication: Mental Math | Use Partial Products Algorithm to Solve Multiply with 1-Digit Multipliers | Multiplication |
| M-41310 | 4.OA.C.5 | Estimate Products: Compatible Numbers | Estimate Products Using Compatible Numbers Round to the Nearest 10, 100, or 1,000 Solve Word Problems with Estimation | Estimate |
| M-41320 | 4.OA.C.5 | Multiplication Patterns | Multiplication Patterns with Function Machines Multiplication Patterns with Frames and Arrows Multiplication Number Sequences | ExTending-table |
| M-41330 | 4.OA.A.1 | Multiplication as a Comparison | Model Multiplication Comparison with Arrays and Verbal Statements Interpret Multiplication Number Sentences as Comparisons Distinguish Between Additive Comparison and Multiplicative Comparison | Multiplication |
| M-41340 | 4.OA.A.2 | Problem Solving: Compare with Multiplication | Solve Word Problems Use Multiplication Equations to Solve Comparison Problems Use Multiplication Models to Solve Comparison Problems | Multiplication |
| M-41350 | 4.OA.A.3 | Problem Solving: Multi-Step Multiplication | Solve Multiple Step Word Problems Multiply with 1-digit Multipliers Apply Distributive Property to Solve using Partial Products | Multiplication |
| M-41360 | 4.OA.A.3 | Problem Solving: 2-Digit Multipliers | Solve One-Step Word Problems Multiply with 2-digit Multipliers Apply Knowledge of Carrying to Solve | Multiplication |
| M-41370 | 4.OA.A.3 | Multi-Step Problems with 2-Digit Multipliers | Solve Multiple Step Word Problems Multiply with 2-digit Multipliers Apply Distributive Property to Solve using Partial Products | Multiplication |
| M-41380 | 4.OA.C.5 | Complex Non-Numeric Patterns | Geometric Growth and Repeating Patterns Non-numeric Patterns | Attribute-sort |
| M-41390 | 4.OA.C.5 | Logical Reasoning to Determine Order | Solve Word Problems Use Logical Reasoning To Determine Order Use Logical Reasoning to Determine Answer | Compare |
| M-41400 | 4.OA.A.3 | Estimate Quotients: Front-End Estimation | Estimate Quotients with 1-Digit Divisors Using Front End Estimation Recognize Words that Indicate Division in Word Problems Use Compatible Numbers to Estimate | Estimate |
| M-41410 | 4.OA.A.3 | Problem Solving: Interpret Remainders | Solve Single-Step Word Problems Interpret Remainders in Division Problems Round Answers Based on Remainders | Division |
| M-41420 | 4.OA.C.5 | Multiplication & Division Patterns | Division Patterns with Function Machines Division Patterns with Frames and Arrows Division Number Sequences | ExTending-table |

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|----------|-----------|---|--|-----------------|
| M-41430 | 4.OA.A.2 | Multiplicative Comparison: Divide to Compare | Solve Single-Step Word Problems Use Division to Make a Comparison Model Division with Pictures or Equations | Division |
| M-41440 | 4.OA.A.3 | Problem Solving: Multi-Step Division | Solve Multi-Step Word Problems Interpret the Value of Remainders to Round Up or Down Regroup to Solve Division Problems | Division |
| M-41450 | 4.OA.C.5 | Two Operation Pattern Practice | Find the Pattern in 2-Step Sequences and Frames/Arrows Diagrams Solve 2-Step Word Problems with Patterns Use The Pattern to Extend 2-Step Sequences and Patterns | Number-line |
| M-41460 | 4.OA.A.2 | Problem Solving: Choose the Operation | Solve Single-Step and Multiple-Step Word Problems Decide Which Operation Correctly Solves the Problem Use Multiple Operations to Make Comparisons | Division |
| M-41470 | 4.OA.A.3 | The Order of Operations | Understand and Apply The Order of Operations Utilize Parentheses to Solve Problems Understand and Apply PEMDAS | Pemdas |
| M-41480 | 4.OA.A.3 | Problem Solving: Multi-Step, Multi-Operations | Solve Multiple-Step Word Problems Solve Word Problems With 2 Operations Interpret Word Problems to Determine Operations | Pemdas |
| M-42010 | 4.NBT.A.2 | Modeling Place Value Through Thousands | Place Value Recognition Numbers through 1,000 | Thousands |
| M-42020 | 4.NBT.A.2 | Place Value Through Millions | Place Value Recognition Numbers through 1,000,000 | Thousands |
| M-42030 | 4.NBT.A.2 | Write Numbers in Expanded Form | Decompose Numbers by Place Value Compose Numbers by Place Value | Number |
| M-42040 | 4.NBT.A.2 | Verbal Connection: Numbers in Words | Read Numbers through 1,000,000 Write Numbers through 1,000,000 | Write |
| M-42050 | 4.NBT.A.1 | Renaming Numbers Using Place Value | Place Value to 1,000,000 Find Alternate Names for Numbers | Thousands |
| M-42060 | 4.NBT.A.2 | Change a Digit to Compare Value | Place Value to 1,000,000 Compare Values of Similar Numbers | Number |
| M-42070 | 4.NBT.A.2 | Compare and Order Numbers | Compare Numbers through 1,000,000 Order Numbers through 1,000,000 | More-less |
| M-42080 | 4.NBT.A.3 | Rounding Numbers in the 1,000s | Round to the Nearest 100 | Estimate |
| M-42090 | 4.NBT.A.3 | Rounding Numbers: Numbers Up to 1,000,000 | Round to Nearest 10,000 Round to Nearest 100,000 Round Large Numbers | Estimate |
| M-42100 | 4.NBT.B.4 | Properties of Addition: Commutative and Associative | Identify Commutative Property of Addition Identify Associative Property of Addition Apply Knowledge of Properties to Solve | Addition |
| M-42110 | 4.NBT.B.4 | Addition: Partial Sums Algorithm | Addition to 1,000,000 Partial Sums Algorithm | Addition |
| M-42120 | 4.NBT.B.4 | Addition: Standard Algorithm | Addition to 1,000,000 Standard Algorithm | Addition |
| M-42130 | 4.NBT.B.4 | Subtraction Basics | Subtracting Numbers Less Than 1,000,000 Standard Algorithm Regrouping | Subtraction |
| M-42140 | 4.NBT.B.4 | Subtraction Across Zeros | Subtracting Numbers Less Than 1,000,000 Standard Algorithm Regrouping Zeros in the Number | Subtraction |
| M-42150 | 4.NBT.B.5 | Single-Digit Multiplication | Simple Multiplication Practice | Multiplication |
| M-42160 | 4.NBT.B.5 | Properties of Multiplication: Associative | Identify the Associative Property Apply Knowledge of the Associative Property | Multiplication |
| M-42170 | 4.NBT.B.5 | Properties of Multiplication: Zero and Identity | Identify the Zero and Identity Property Apply Knowledge of Properties | Multiplication |
| M-42180 | 4.NBT.B.5 | Properties of Multiplication: Commutative | Identify the Commutative Property Apply Knowledge of the Commutative Property | Multiplication |
| M-42190 | 4.NBT.B.5 | Properties of Multiplication: Distributive | Identify the Distributive Property Apply Knowledge of the Distributive Property | Multiplication |
| M-42200 | 4.NBT.B.5 | Identify the Property of Multiplication | Properties of Multiplication Review Identify the Property Apply all Properties to Solve | Multiplication |
| M-42210 | 4.NBT.B.5 | Multiply Tens by Single Digits | Multiplication Change in Place Value Multiples of 10 | Multiplication |
| M-42220 | 4.NBT.B.5 | Multiply: Hundreds, Thousands by Single Digits | Multiplication Change in Place Value Multiples of 10 | Multiplication |
| M-42240 | 4.NBT.B.5 | Identify Multiples of 10, 100, and 1,000 | Multiplication Change in Place Value Multiples of 10 | Multiplication |
| M-42250 | 4.NBT.B.5 | Partial Products: 2-Digit x 1-Digit | Multiplication Partial Products Algorithm Distributive Property | Multiplication |
| M-42260 | 4.NBT.B.5 | Standard Algorithm: 2-Digit x 1-Digit | Multiplication Standard Algorithm Multi-Digit | Multiplication |
| M-42270 | 4.NBT.B.5 | Partial Products: 3-Digit x 1-Digit | Multiplication Partial Products Algorithm Distributive Property | Multiplication |
| M-42280 | 4.NBT.B.5 | Standard Algorithm: 3-Digit x 1-Digit | Multiplication Standard Algorithm Multi-Digit | Multiplication |
| M-42290 | 4.NBT.B.5 | Multiplication: 4-Digit x 1-Digit | Multiplication Partial Products Algorithm and the Distributive Property Standard Algorithm | Multiplication |
| M-42300 | 4.NBT.B.5 | Multiply 2-Digit Numbers by Tens | Multiplication with 2-Digit Multipliers Multiples of Ten | Multiplication |
| M-42310 | 4.NBT.B.5 | Partial Products: 2-Digit x 2-Digit | Multiplication with 2-Digit Multipliers Partial Products Algorithm Distributive Property | Multiplication |
| M-42320 | 4.NBT.B.5 | Standard Algorithm: 2-Digit x 2-Digit | Multiplication with 2-Digit Multipliers Standard Algorithm | Multiplication |
| M-42330 | 4.NBT.B.6 | Introduction to Division | Division into Groups Division of a Set | Division |
| M-42340 | 4.NBT.B.6 | Model Division with Regrouping | Division into Groups Division of a Set Regrouping with Division | Division |
| M-42350 | 4.NBT.B.6 | Multiplication and Division: Inverse Operations | Multiplication and Division Fact Families | Division |
| M-42360 | 4.NBT.B.6 | Dividing by Zeros and Ones | Rules of Division Divide by Zero Divide by One | Division |
| M-42370 | 4.NBT.B.6 | Divide by Multiples of Ten | Division Apply rules for Multiples of 10 | Division |
| M-42380 | 4.NBT.B.6 | Modeling Division with Remainders | Modeling Division with Arrays Modeling Division with Bar Models 2-Digit Dividends with Remainders | Division |
| M-42390 | 4.NBT.B.6 | Interpret Remainders in Division | Interpret Remainders in Division Modeling Division with Pictures 2-Digit Dividends with Remainders | Division |
| M-42400 | 4.NBT.B.6 | Division Strategy: Long Division | Using Long Division Using Place Value to Divide 2-digit Division with Remainders | Division |
| M-42405 | 4.NBT.B.6 | Division Strategy: Long Division Continued | Using Long Division Using Place Value to Divide 3- and 4-digit Division with Remainders | Division |
| M-42410 | 4.NBT.B.6 | Division Strategy: Using Place Value | Using Place Value to Divide 3-digit Dividends with Remainders | Division |
| M-42420 | 4.NBT.B.6 | Division Strategy: Multiplying Up | Using Place Value to Divide Long Division with Remainders 3-digit and 4-Digit Division | Division |

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|----------|------------|--|--|-----------------|
| M-42430 | 4.NBT.B.6 | Division Strategy: Partial Quotients | Using Place Value to Divide Long Division with Remainders 3-digit and 4-Digit Division | Division |
| M-42440 | 4.NBT.B.6 | Division: Understanding Zeros | Long Division with Zeros in the Quotient Long Division with Zeros in the Dividend Partial Quotients and Zero | Division |
| M-42450 | 4.NF.A.1 | Introduction to Fractions | Parts of a Whole Fractions of a Set | Fractions |
| M-42460 | 4.NF.A.1 | Identifying Equivalent Fractions with Benchmarks | Using Common Fractions to Compare Identifying Common Fractions | Fractions |
| M-42470 | 4.NF.A.1 | Generate Equivalent Fractions with Multiplication | Identify Equivalent Fractions Less Than One with Multiplication Models Identify Equivalent Fractions Less Than One with Number Lines Identify Equivalent Fractions Less Than One with a Picture | Fractions |
| M-42480 | 4.NF.A.1 | Generate Equivalent Fractions with Division | Identify Equivalent Fractions Less than One with Division Divide to find the simplest form of a fraction | Fractions |
| M-42490 | 4.NF.A.1 | Identify and Understand Improper Fractions | Understand Improper Fractions Using Pictures or Number Line Identify Improper Fractions Given a Simple Word Problem Relate the Word Form to Number Form for Improper Fractions | Fractions |
| M-42500 | 4.NF.A.2 | Improper Fractions and Mixed Numbers | Relate Mixed Numbers and Improper Fractions Using Pictures Use a Model or Number Line to Compare Mixed Numbers and Improper Fractions Model Mixed Fractions as a Sum | Fractions |
| M-42504 | 4.NF.B.3.c | Convert Mixed Numbers to Improper Fractions | Convert Mixed Numbers to Improper Fractions Using a Model Convert Mixed Numbers to Improper Fractions Using Multiplication and Addition | Fractions |
| M-42507 | 4.NF.B.3.b | Convert Improper Fractions to Mixed Numbers | Convert Improper Fractions to Mixed Numbers Using a Model Convert Improper Fractions to Mixed Numbers Using Division | Fractions |
| M-42510 | 4.NF.A.2 | Equivalent Fractions: Greater Than One | Identify Equivalent Mixed Numbers and/or Improper Fractions with Models Identify Equivalent Mixed Numbers and/or Improper Fractions with Number Lines Identify Equivalent Mixed Numbers and/or Improper Fractions with a Picture | Fractions |
| M-42520 | 4.NF.A.1 | Compare Fractions: Simplest Form | Reduce Fractions to Simplest Form Identify Many Names for Fractions | Compare |
| M-42530 | 4.NF.A.2 | Compare Fractions Using Benchmark Fractions | Compare Fractions Using Benchmark Fractions Divide to find Simplest Form | Compare |
| M-42540 | 4.NF.A.2 | Common Denominators to Compare Fractions | Compare Fractions by Finding Common Denominators Compare Fractions Using a Model Compare Fractions on a Number Line | Compare |
| M-42550 | 4.NF.A.2 | Common Numerators to Compare Fractions | Find Common Numerators by Multiplying Use Common Numerators to Compare Fractions | Compare |
| M-42560 | 4.NF.A.2 | Comparing and Ordering Fractions | Order Fractions by Comparing Size Find Common Denominators to Compare Fractions Reduce Fractions to Simplest Form | Number-line |
| M-42570 | 4.NF.A.2 | Problem Solving: Compare, Order Fractions | Solve Word Problems by Comparing and Ordering Fractions Order Fractions by Comparing Size Find Common Denominators to Compare Fractions | Number-line |
| M-42580 | 4.NF.B.3 | Unit Fractions: Compose and Decompose | Decompose Fractions into a Sum of Unit Fractions Compose Fractions by Adding Unit Fractions Use Models to Show Composition and Decomposition | Fractions |
| M-42590 | 4.NF.B.3.a | Fractions: Compose and Decompose | Decompose Fractions into a Sum of Smaller Fractions Compose Fractions by Adding Smaller Fractions Use Models to Show Composition and Decomposition | Fractions |
| M-42600 | 4.NF.B.3.a | Add Fractions with Like Denominators | Add Fractions with Like Denominators Using a Model Add Decimal Fractions with Like Denominators Using a Grid Add Fractions with Like Denominators | Addition |
| M-42610 | 4.NF.B.3.a | Estimate Fraction Sums: Benchmark Fractions | Fractions | Estimate |
| M-42620 | 4.NF.B.3c | Add Mixed Numbers and Improper Fractions | Add Mixed Numbers with Common Denominators Using a Model Add Improper Fractions with Common Denominators Using a Model | Addition |
| M-42630 | 4.NF.B.3.d | Problem Solving: Adding Fractions | Solve Word Problems Add Fractions and Decimal Fractions with Like Denominators | Addition |
| M-42640 | 4.NF.B.3.a | Subtract Fractions with Like Denominators | Subtract Fractions with Like Denominators Using Pictures Subtract Fractions with Like Denominators Using a Number Line | Subtraction |
| M-42650 | 4.NF.B.3.a | Estimate Fraction Differences: Benchmark Fractions | Fractions | Estimate |
| M-42660 | 4.NF.B.3.d | Problem Solving: Subtracting Fractions | Solve Word Problems Subtract Fractions with Like Denominators Use a Model to Subtract Fractions | Subtraction |
| M-42670 | 4.NF.B.3c | Subtract Mixed Numbers | Subtract Mixed Numbers with Like Denominators Using Pictures Subtract Mixed Numbers with Like Denominators Using a Number Line | Subtraction |
| M-42680 | 4.NF.B.3c | Subtract Improper Fractions | Subtract Improper Fractions with Like Denominators Using Pictures Subtract Improper Fractions with Like Denominators Using a Number Line | Subtraction |
| M-42690 | 4.NF.B.3c | Subtract Mixed Numbers with Renaming | Subtract Mixed Numbers with Like Denominators Using Pictures Subtract Mixed Numbers with Like Denominators Using a Number Line Rename Fractions When The Top Fraction is Smaller Than The Bottom | Subtraction |
| M-42700 | 4.NF.B.4.a | Multiples of Fractions | Understand Multiples of Fractions using Fraction Tiles Understand Multiples of Fractions using Repeated Addition Understand Multiples of Fractions using Number Lines | Fractions |
| M-42710 | 4.NF.B.4.b | Multiply Fractions by Whole Numbers | Multiply Fractions by Whole Numbers Using a Model Multiply Fractions by Whole Numbers Relate Multiplication of Fractions to Division | Multiplication |
| M-42720 | 4.NF.B.4.c | Problem Solving: Multiply Fractions by Whole Numbers | Solve Word Problems Multiply Fractions by Whole Numbers Using a Model Multiply Fractions by Whole Numbers | Multiplication |

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|----------|-----------|--|--|-----------------|
| M-42730 | 4.NF.C.5 | Introduction to Decimal Fractions | Model Decimal Fractions with Base-10 Rods and Flats Identify Decimal Fractions in Pictures, Numbers, and Word Form Model Decimal Fractions on a Number Line | Fractions |
| M-42740 | 4.NF.C.5 | Using Decimal Fractions | Find Equivalent Decimal Fractions on a Number Line Find Equivalent Decimal Fractions on a Hundreds Grid | Fractions |
| M-42750 | 4.NF.C.5 | Addition of Decimal Fractions | Add Decimal Fractions Using a Model Use Place Value to Add Decimal Fractions | Addition |
| M-42760 | 4.NF.C.6 | Introduction to Decimal Place Value | Identify the Place Value of a Decimal in Tenths and Hundredths Model Decimal Place Value with Base-10 Blocks and 100s Grid | Decimal |
| M-42770 | 4.NF.C.6 | Decimal Fractions as Decimals | Identify Picture, Number, and Word Form of Decimal Fractions in the Tenths Place Identify Picture, Number, and Word Form of Decimal Fractions in the Hundredths Place | Decimal |
| M-42780 | 4.NF.C.6 | Connect: Money and Decimals | Identify the Value of a Decimal in Numbers Greater than One as Related to Money Use Money to Model Decimals Greater Than One Identify the Value of Decimals Greater Than One Using Money | Money |
| M-42790 | 4.NF.C.7 | Compare Decimals | Compare Decimals Using a 100s Grid Compare Decimals Using a Number Line Compare Decimals Using Base-10 Blocks | Compare |
| M-42800 | 4.NF.C.7 | Order Decimals | Order Decimals on a Number Line Compare and Order Decimals Using a 100s Grid | Number-line |
| M-42810 | 4.NF.C.7 | Estimate to Compare Decimals | Estimate Decimals to the Nearest Tenth or Hundredth Compare Decimals Using a Number Line Compare Decimals Using a Grid | Estimate |
| M-42820 | 4.NF.C.7 | Estimate to Compare Decimals: Nearest Whole Number | Estimate Decimals to the Nearest Whole Number Compare Decimals Using a Number Line Compare Decimals Using a Grid | Estimate |
| M-42830 | 4.NF.C.6 | Adding and Subtracting Decimals | Add and Subtract Decimals Using a Model Use Place Value to Add and Subtract Decimals | Addition |
| M-42840 | 4.NF.C.6 | Decimal Fractions, Decimals, and Percentages | Find Equivalent Decimal Fractions, Decimals, and Percentages Convert Between Decimals, Decimal Fractions, and Percentages | Percentage |
| M-42850 | 4.NF.C.7 | Convert Decimals and Benchmark Fractions | Convert Benchmark Fractions to Decimals Using a Grid, Number Line, or Base-10 Blocks Convert Decimals to Benchmark Fractions Using a Number Line, Grid, or Base-10 Blocks | Decimal |
| M-42860 | 4.NF.C.7 | Benchmark Fractions, Decimals, and Percentages | Model Benchmark Fractions as Decimals and Percentages Convert Benchmark Fractions to Percentages Compare Percentages Using Benchmark Fractions | Percentage |
| M-43010 | 4.G.A.1 | Lines, Line Segments, and Rays | Identify types of lines Name types of lines | Direction |
| M-43020 | 4.G.A.1 | Parallel, Perpendicular, and Intersecting | Identify pairs of lines Name types of lines Apply knowledge to real-world situations | Direction |
| M-43030 | 4.G.A.1 | Classify Angles | Classify Angles by Definition Classify Angles by Picture | Angle |
| M-43040 | 4.G.A.1 | Name Angles | Name Angles Use Angle Names to Classify Angles | Angle |
| M-43050 | 4.G.A.2 | Classify Triangles: Acute, Obtuse, or Right | Classify Triangles by Definition Classify Triangles by Name | Geometry |
| M-43060 | 4.G.A.2 | Classify Triangles: Equilateral, Isosceles, or Scalene | Classify Triangles by Definition Classify Triangles by Name | Geometry |
| M-43070 | 4.G.A.2 | Triangles with Multiple Names | Classify Triangles with 2 Names Classify Triangles by Definition Classify Triangles by Name | Geometry |
| M-43080 | 4.G.A.2 | Classify Quadrilaterals | Classify Quadrilaterals by Name Classify Quadrilaterals by Attribute | Geometry |
| M-43090 | 4.G.A.2 | Identify Quadrilaterals Based on Attributes | Identify Quadrilaterals by Attribute Identify Quadrilaterals by Picture | Geometry |
| M-43100 | 4.G.A.2 | Polygons vs. Non-Polygons | Identify Polygons by Definition Identify Non-Polygons by Definition Compare Polygons and Non-Polygons | Geometry |
| M-43110 | 4.G.A.2 | Regular Polygons vs. Irregular Polygons | Identify Regular Polygons Identify Irregular Polygons Classify Polygons as Regular or Irregular | Geometry |
| M-43120 | 4.G.A.2 | Classify Polygons | Classify Polygons by Attribute Classify Polygons into Groups and Subgroups | Geometry |
| M-43130 | 4.G.A.2 | Identify 3-Dimensional Shapes | Identify 3-D figures Name 3-D Figures Recognize Attributes of 3-D Figures | Geometry |
| M-43140 | 4.G.A.2 | Nets of 3-Dimensional Shapes | Match the Net to the 3-D Figure Use Knowledge of 3-D Figures to Find Net Compare Nets | Geometry |
| M-43150 | 4.G.A.2 | Identify Congruent Figures | Identify Congruent Figures Identify Non-Congruent Figures | Matching |
| M-43160 | 4.G.A.3 | Reflections in 2-Dimensional Figures | Find Lines of Reflection in 2-D Figures | Direction |
| M-43170 | 4.G.A.3 | Lines of Symmetry | Find Line of Symmetry in Figures with 1 Line Find Lines of Symmetry in Figures with Multiple Lines | Direction |
| M-43180 | 4.G.A.3 | Rotational Symmetry | Determine if Shape has Rotational Symmetry | Direction |
| M-43190 | 4.MD.A.1 | Customary Measurement Benchmarks | Identify Common Objects used to Measure Identify Personal References used to Measure | Measurement |
| M-43200 | 4.MD.A.1 | Measure to the Nearest Inch | Use a Ruler to Measure to the Nearest Inch Identify Objects that are About 1 Inch | Measurement |
| M-43210 | 4.MD.A.1 | Measure to the Nearest Half Inch | Use a Ruler to Measure to the Nearest Half Inch Identify Objects that are About 1.5 Inches | Measurement |
| M-43220 | 4.MD.A.1 | Measure to the Nearest Quarter Inch | Use a Ruler to Measure to the Nearest Quarter Inch | Measurement |
| M-43230 | 4.MD.A.1 | Use Customary Units of Length to Compare | Find the Most Reasonable Length of Objects Compare Length of 2 Objects | Measurement |
| M-43240 | 4.MD.A.1 | Convert Customary Units of Length | Convert From Larger to Smaller Customary Units | Measurement |
| M-43250 | 4.MD.A.2 | Problem Solving: Customary Units of Length | Solve Word Problems Make a List to Convert Units Compare Objects | Measurement |
| M-43260 | 4.MD.A.1 | Customary Units of Weight | Estimate Weight of Objects Using Appropriate Units Determine Appropriate Measuring Devices Compare Objects' Weight | Weight |
| M-43270 | 4.MD.A.1 | Convert Customary Units of Weight | Convert From Larger to Smaller Customary Units | Weight |

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| M-43280 | 4.MD.A.2 | Problem Solving: Customary Units of Weight | Solve Word Problems Make a List to Convert Units Compare Objects | Weight |
| M-43290 | 4.MD.A.1 | Customary Units of Liquid Volume | Estimate Volume of Objects Using Appropriate Units Determine Appropriate Measuring Devices Compare Objects' Volume | Capacity |
| M-43300 | 4.MD.A.1 | Convert Customary Units of Liquid Volume | Convert From Larger to Smaller Customary Units | Capacity |
| M-43310 | 4.MD.A.2 | Problem Solving: Customary Units of Liquid Volume | Solve Word Problems Make a List to Convert Units Compare Objects | Capacity |
| M-43315 | 4.MD.A.2 | Measurement Patterns in Customary Units | Identify Patterns in Customary Units of Length Identify Patterns in Customary Units of Weight Identify Patterns in Customary Units of Volume | Measurement |
| M-43320 | 4.MD.A.1 | Measurement Benchmarks for Metric Units | Identify Common Objects used to Measure Identify Personal References used to Measure | Measurement |
| M-43330 | 4.MD.A.1 | Measure to the Nearest Centimeter | Use a Ruler to Measure to the Nearest Centimeter Identify Objects that are About 1 Centimeter | Measurement |
| M-43340 | 4.MD.A.1 | Measure in Millimeters | Use a Ruler to Measure to the Nearest Millimeter Identify Objects that are About 1 Millimeter | Measurement |
| M-43350 | 4.MD.A.1 | Use Metric Units of Length to Compare | Find the Most Reasonable Length of Objects Compare Length of 2 Objects | Measurement |
| M-43360 | 4.MD.A.1 | Convert Metric Units of Length | Convert From Larger to Smaller Metric Units | Measurement |
| M-43370 | 4.MD.A.2 | Problem Solving: Metric Units of Length | Solve Word Problems Make a List to Convert Units Compare Objects | Measurement |
| M-43380 | 4.MD.A.1 | Metric Units of Mass | Estimate Weight of Objects Using Appropriate Units Determine Appropriate Measuring Devices Compare Objects' Weight | Weight |
| M-43390 | 4.MD.A.2 | Problem Solving: Metric Units of Mass | Solve Word Problems Make a List to Convert Units From Larger to Smaller Units Compare Objects | Weight |
| M-43400 | 4.MD.A.1 | Mixed Units of Mass (Metric) | Solve Problems with Mixed Units of Mass Convert Smaller Units to Larger Units Use Addition and Subtraction to Solve Problems | Weight |
| M-43410 | 4.MD.A.1 | Metric Units of Liquid Volume | Estimate Volume of Objects Using Appropriate Units Determine Appropriate Measuring Devices Compare Objects' Volume | Capacity |
| M-43420 | 4.MD.A.1 | Liquid Volume: Converting Metric Units | Convert From Larger to Smaller Metric Units | Capacity |
| M-43430 | 4.MD.A.2 | Problem Solving: Measuring Liquid Volume | Solve Word Problems Make a List to Convert Units From Larger to Smaller Units Compare Objects | Capacity |
| M-43435 | 4.MD.A.2 | Patterns in Metric Units | Identify Patterns in Metric Units of Length Identify Patterns in Metric Units of Mass Identify Patterns in Metric Units of Volume | Capacity |
| M-43440 | 4.MD.A.1 | Measure Time: Common Intervals | Measure time intervals to the nearest hour, half hour, quarter hour, or Minute Using an Analog Clock Measure time intervals to the nearest hour, half hour, quarter hour, or Minute Using a Digital Clock Measure time intervals to the nearest hour, half hour, quarter hour, or Minute Using a Number Line or Time Line | Time |
| M-43450 | 4.MD.A.1 | Converting and Comparing Units of Time | Convert Time Intervals to Compare Solve Word Problems By Making a Table Calculate Time Intervals Using a Table | Time |
| M-43460 | 4.MD.A.2 | Calculate Elapsed Time: Minutes and Hours | Calculate Elapsed Time in Minutes Calculate Elapsed Time in Hours Use a Clock to Calculate Elapsed Time | Time |
| M-43470 | 4.MD.A.2 | Elapsed Time: Days, Weeks, & Months | Calculate Elapsed Time in Days Calculate Elapsed Time in Weeks Use a Calendar to Calculate Elapsed Time | Time |
| M-43480 | 4.MD.A.2 | Problem Solving with Money | Solve Word Problems to Calculate Total Price Subtract to Calculate Change Multiply, Add, and/or Subtract to Compare Prices | Money |
| M-43490 | 4.G.A.2 | Identify and Measure the Parts of a Circle | Identify the Parts of a Circle Calculate the Diameter and Approximate Circumference of a Circle Measure the Radius and Diameter | Geometry |
| M-43500 | 4.MD.C.5a | Model Angles Using Fractions | Use Fractions to Represent Angles within a Whole Circle Determine the Fraction of an Angle in Relation to a Whole Circle | Angle |
| M-43510 | 4.MD.C.5b | Measurement: Convert Fractions to Degrees | Convert Fractional Parts of a Circle to Degrees Multiply Fractions by Whole Numbers Divide Whole Numbers to Determine Fractions | Angle |
| M-43520 | 4.MD.C.6 | Measure Angles Using a Protractor | Measure Angles with a Full-Circle Protractor Measure Angles with a Half-Circle Protractor | Angle |
| M-43530 | 4.MD.C.7 | Combine Angle Measures Using Addition | Add to Combine Angle Measures Determine Angle Measures by Measuring with a Protractor | Angle |
| M-43540 | 4.MD.C.7 | Separate Angle Measures Using Subtraction | Subtract to Separate Angles into Parts Use a Protractor to Measure Angles | Angle |
| M-43550 | 4.MD.C.7 | Find Unknown Angle Measures | Add or Subtract to Find Unknown Angle Measures Write Equations to Determine Unknown Angles Use Inverse Operations to Solve for Unknown Angles | Angle |
| M-43560 | 4.MD.A.3 | Measure Perimeter of a Quadrilateral | Find the Perimeter of a Quadrilateral Given the Measure of Each Side Find the Perimeter of a Rectangle Given the Length and Width Calculate the Perimeter of a Square Given the Measure of One Side | Measurement |
| M-43570 | 4.MD.A.3 | Measure the Perimeter of Polygons | Find the Perimeter of a Polygon Given the Measure of Each Side Measure the Sides of a Polygon to Calculate Perimeter | Measurement |
| M-43580 | 4.MD.A.3 | Use a Formula to Calculate Perimeter | Apply a Formula to Calculate the Perimeter of a Quadrilateral Solve Word Problems to Find the Perimeter | variable |
| M-43590 | 4.MD.A.3 | Modeling Area | Use a Model to Find the Area Calculate Area with Arrays | Ten-frame |
| M-43600 | 4.MD.A.3 | Using a Formula for Area | Apply a Formula to Calculate the Area of a Rectangle | Variable |
| M-43610 | 4.MD.A.3 | Area of Combined Rectangles | Calculate the Area of 2 Combined Rectangles Multi-Step Problems Calculate the Area of One Rectangle Given the Area of 2 Rectangles | Ten-frame |

4th Grade GPA Curriculum

| GPA Code | CCSS Code | Lesson Title | Lesson Skills | Lesson Category |
|----------|------------|--|--|------------------|
| M-43620 | 4.MD.A.3 | Use Area Model to Divide | Divide to Find the Measure of One Side of a Rectangle Partial Quotients Division | Division |
| M-43630 | 4.MD.A.3 | Compare Area of Figures | Compare the Area of Two Quadrilaterals Determine Which Rectangle has Greater Area Determine Which Rectangle Has Smaller Area | Compare |
| M-43640 | 4.MD.A.3 | Relate Area and Perimeter | Compare the Area and Perimeter of a Quadrilateral Find the Area and Perimeter of a Quadrilateral Find Relationships between Area and Perimeter | Compare |
| M-43650 | 4.MD.A.3 | Problem Solving: Solve for the Unknown Measure (Work Backward) | Solve Word Problems Work Backwards to Solve for Unknown Measure Area and Perimeter | variable |
| M-43660 | 4.MD.B.4 | Display Data in a Line Plot | Create Line Plots Analyze Line Plots Interpret Data from Tables | line-plot |
| M-43670 | 4.NF.B.3.d | Interpret Fractions on a Line Plot | Solve Problems Using Units of Measure Display Data Collected on Units of Measure on a Line Plot Solve Problems Related to Line Plot | Fractions |
| M-43680 | 4.MD.B.4 | Display Data in a Bar Graph | Analyze Bar Graphs Create Bar Graphs Interpret Data in Tables | Graph |
| M-43690 | 4.MD.B.4 | Introduction to Coordinate Grids | Understand X and Y Axis Plot Points of Grid | Coordinate-plane |

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