

## UNIT 1 PLACE VALUE

- MM1-001 Identifying Place Value to the Billions
- MM1-005 Writing Numbers in Expanded Form
- MM1-010 Rounding Whole Numbers to the Nearest Million, 10 Million, 100 Million and Billion
- MM1-015 Comparing Numbers
- MM1-017 Identifying Exponential and Standard Form of a Number
- MM1-020 Identifying and Finding Number Patterns Using Whole Numbers

## UNIT 2 ADDITION, SUBTRACTION, MULTIPLICATION, AND DIVISION OF WHOLE NUMBERS

- MM1-025 Identifying the Properties of Addition
- MM1-030 Estimating Sums and Differences
- MM1-035 Adding Three or More Whole Numbers and Subtracting with Regrouping
- MM1-040 Using the Inverse Operations of Addition and Subtraction to Solve Problems Related to Number Sentences
- MM1-045 Identifying and Using Properties of Multiplication to Solve Problems
- MM1-050 Identifying Special Patterns in Multiplication
- MM1-055 Multiplying Whole Numbers with Two and Three Digits
- MM1-060 Estimating Products
- MM1-065 Solving Division in Three Forms
- MM1-070 Estimating Quotients
- MM1-075 Dividing with Remainders and Zeros in the Quotient
- MM1-080 Identifying the Order of Operations Using Multiplication, Addition, and Subtraction
- MM1-085 Identifying the Order of Operations for Multiplication, Addition, and Subtraction Using Parentheses and Exponents

## UNIT 3 NUMBER THEORY AND SIMPLIFYING FRACTIONS

- MM1-088 Applying the Divisibility Rules for 2, 3, 4, 5, 6, 9 and 10
- MM1-090 Identifying Prime and Composite Numbers
- MM1-095 Expressing a Number as a Product of Prime Numbers
- MM1-105 Identifying the Greatest Common Factor and the Least Common Multiple
- MM1-110 Comparing and Ordering Fractions with Like Denominators
- MM1-115 Writing Fractions in Simplest Form
- MM1-120 Identifying Proper and Improper Fractions
- MM1-125 Writing Mixed Numbers as Improper Fractions
- MM1-127 Writing Remainders as Fractions
- MM1-130 Identifying the Least Common Denominator
- MM1-135 Comparing and Ordering Fractions with Like and Unlike Denominators

## UNIT 4 ARITHMETIC OF FRACTIONS AND MIXED NUMBERS

- MM1-145 Adding and Subtracting Fractions with Like and Unlike Denominators
- MM1-150 Adding Mixed Numbers with Like Denominators
- MM1-155 Subtracting Mixed Numbers with Like Denominators
- MM1-160 Adding and Subtracting Mixed Numbers with Unlike Denominators
- MM1-165 Multiplying Fractions
- MM1-170 Multiplying Fractions by Simplifying the Problem
- MM1-175 Multiplying Mixed Numbers
- MM1-180 Dividing Fractions
- MM1-185 Dividing Mixed Numbers
- MM1-190 Finding the Fraction of a Given Number
- MM1-195 Identifying the Mathematical Question Given in a Word Problem

## UNIT 5 RATIOS AND PROPORTIONS

- MM1-205 Writing a Ratio to Compare Two Objects
- MM1-210 Identifying and Writing Equal Ratios
- MM1-215 Identifying a Rate to Solve Problems
- MM1-220 Writing and Forming Proportions
- MM1-225 Solving Proportions

## UNIT 6 ARITHMETIC OF DECIMAL NUMBERS

- MM1-270 Identifying Place Value in Decimal Numbers
- MM1-275 Comparing Decimal Numbers
- MM1-280 Identifying and Writing Decimals to the Hundredths and Thousandths
- MM1-285 Ordering Decimals According to the Tenths, Hundredths and Thousandths
- MM1-290 Rounding Decimals to the Nearest Whole Number
- MM1-295 Rounding Decimals to the Nearest Tenth, Hundredth and Thousandth
- MM1-300 Adding and Subtracting Decimals
- MM1-305 Estimating Products by Rounding to the Nearest Whole Number
- MM1-310 Multiplying Decimals
- MM1-311 Using a One-Digit Divisor, Express the Remainder as a Decimal
- MM1-313 Using a Two-Digit Divisor, Express the Remainder as a Decimal
- MM1-315 Dividing Decimals by Whole Number Divisors
- MM1-320 Performing Mathematical Operations with Decimal Numbers in Application Problems
- MM1-325 Dividing with Decimal Divisors
- MM1-330 Dividing with a Decimal Divisor and Dividend
- MM1-335 Using Zeros as Placeholders when Dividing with Decimal Numbers in the Dividend
- MM1-340 Rounding Quotients
- MM1-350 Identifying and Using Scientific Notation to Express Large Numbers
- MM1-355 Solving Multiple-Step Problems

## UNIT 7 CONVERT BETWEEN FRACTIONS, DECIMALS AND PERCENTS

- MM1-358 Converting Fractions and Mixed Numbers with Denominators of Powers of Ten to Decimals
- MM1-360 Expressing Percent as a Ratio
- MM1-365 Converting Decimals to Fractions and Fractions to Decimals
- MM1-370 Converting Decimals to Percents and Percents to Decimals
- MM1-375 Converting Fractions to Percents and Percents to Fractions
- MM1-380 Converting Fractions to Decimals and Percents

## UNIT 8 MEASUREMENT

- MM1-535 Converting Customary Units of Measurement for Length
- MM1-540 Converting Customary Units of Measurement for Capacity and Weight
- MM1-545 Converting Metric Units of Measurement for Length
- MM1-550 Converting Metric Units of Measurement for Mass and Capacity
- MM1-555 Determining Elapsed Time from A.M. to P.M. and P.M. to A.M.
- MM1-560 Identifying Time Zones and Determining Elapsed Time Between Zones
- MM1-565 Finding Squares and Square Roots

## UNIT 9 INTRODUCTION TO DATA ANALYSIS AND PROBABILITY

- MM1-385 Collecting Data
- MM1-390 Understanding Data in Bar Graphs, Line Graphs, and Stem-and-Leaf Plots
- MM1-400 Interpreting Double Bar Graphs
- MM1-405 Interpreting and Constructing Circle Graphs
- MM1-415 Defining and Calculating the Range and the Mean
- MM1-420 Defining and Calculating the Median and the Mode
- \*MM1-396 Creating Line Plots From Frequency Tables
- MM1-410 Interpreting Box-and-Whisker Plots
- MM1-425 Classifying Information from a Mathematical Story
- MM1-430 Using Graphs to Solve Story Problems
- MM1-435 Using Pictographs, Bar Graphs and Line Graphs to Solve Problems
- MM1-230 Finding the Probability of Simple Events
- MM1-235 Finding Experimental Probability

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## **UNIT 10 INTRODUCTION TO GEOMETRY**

- MM1-455 Identifying Basic Terms Used in Geometry
- MM1-460 Measuring and Classifying Angles
- MM1-465 Naming and Classifying Polygons by Characteristics
- MM1-470 Using Ratios to Identify Similar Figures
- MM1-475 Using Proportions to Solve for Unknown Lengths of Sides of Similar Figures
- MM1-480 Identifying and Labeling Triangles According to Their Sides and Angles
- MM1-500 Using Translations, Rotations and Reflections to Transform Shapes
- MM1-505 Determining the Perimeter of Any Polygon
- MM1-510 Determining the Area of Parallelograms and Triangles
- MM1-515 Defining a Circle
- MM1-520 Finding the Surface Area of a Rectangular Prism
- MM1-525 Finding the Volume of Rectangular and Triangular Prisms
- MM1-530 Finding the Volume of a Cylinder

## **UNIT 11 ARITHMETIC OF INTEGERS**

- MM1-570 Identifying Integers and Absolute Value
- MM1-575 Comparing and Ordering Integers
- MM1-580 Adding Integers with Like and Unlike Signs
- MM1-585 Subtracting Integers with Like and Unlike Signs
- MM1-590 Multiplying Integers with Like and Unlike Signs
- MM1-595 Dividing Integers with Like and Unlike Signs

## **UNIT 12 INTRODUCTION TO ALGEBRA**

- MM1-600 Introducing Variables in Algebra
- MM1-602 Comparing and Ordering Rational Numbers
- MM1-605 Converting Fahrenheit and Celsius
- MM1-610 Finding Simple Interest
- MM1-615 Translating Words into Algebra
- MM1-620 Using the Order of Operations in Algebraic Expressions
- MM1-625 Solving Algebraic Equations Using the Inverse Operations of Addition and Subtraction
- MM1-630 Solving Algebraic Equations Using the Inverse Operations of Multiplication and Division
- MM1-635 Calculating Distance, Rate, or Time by Solving Equations
- MM1-640 Solving Algebraic Word Problems
- MM1-641 Graphing the Solution to an Algebraic Equation
- MM1-642 Exploring the Coordinate Plane and Graphing Ordered Pairs
- \*MM1-643 Plotting Polygons and Calculating the Perimeter
- \*MM1-651 Using Function Rules

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