

Math 4: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
Number Theory and Systems	Understand numeration, number theory, and number systems.					
		Standard and Expanded Form	Convert numbers containing two to nine digits from standard form to expanded form and vice versa.			
				40909	Instruction/Practice: Standard and Expanded Form	Convert numbers containing two to nine digits from standard form to expanded form and vice versa.
				40910	Independent Practice: Standard and Expanded Form Exploratory	Convert numbers containing two to nine digits from standard form to expanded form and vice versa.
				40911	Expanded Form Handbook	Convert numbers containing up to nine digits from standard form to expanded form and vice versa.
					Lesson Quiz: Standard and Expanded Form	
		Write Numbers	Write numbers up to nine digits using oral cues and written cues.			
				40912	Instruction/Practice: Write Numbers	Write numbers up to nine digits using oral and written cues.
				40913	Independent Practice: Write Numbers Exploratory	Write numbers up to nine digits using oral and written cues.
				40915	Writing Large Numbers Handbook	Write numbers up to nine digits using oral cues and written cues.
					Lesson Quiz: Write Numbers	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Order and Compare Numbers	Order numbers up to nine digits and compare numbers using the symbols $<$, $>$, and $=$.			
				40922	Instruction/Practice: Order and Compare Numbers	Order numbers up to nine digits and compare numbers using the symbols $<$, $>$, and $=$.
				40923	Independent Practice: Order and Compare Numbers Exploratory	Order numbers up to nine digits and compare numbers using the symbols $<$, $>$, and $=$.
				40924	Order and Compare Numbers Handbook	Order numbers up to nine digits and compare numbers using the symbols $<$, $>$, and $=$.
					Lesson Quiz: Order and Compare Numbers	
		Rounding Numbers	Round numbers to the nearest ten, hundred, thousand, ten thousand, and hundred thousand.			
				NBT016	Instruction/Practice: Using What You Know About Place Value to Round	Use place value understanding to round multi-digit whole number to the nearest ten, hundred, or thousand.
				AQNB016	Activity Quiz: Using What You Know About Place Value to Round	
				40925	Instruction/Practice: Rounding Numbers	Round numbers to the nearest ten, hundred, thousand, ten thousand, and hundred thousand.
				40926	Independent Practice: Rounding Numbers Exploratory	Round numbers to the nearest ten, hundred, thousand, ten thousand, and hundred thousand.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40927	Rounding Handbook	Round numbers to the nearest ten, hundred, thousand, ten thousand, and hundred thousand.
					Lesson Quiz: Rounding Numbers	
					Chapter Test: Number Theory and Systems	
Addition and Subtraction	Understand the meanings of operations and how they relate to one another. (+, -)					
		Add Whole Numbers	Add whole numbers. (4-digits, up to 3 numbers)			
				40967	Instruction/Practice: Add Whole Numbers	Add whole numbers. (4-digits, up to 3 numbers)
				40968	Independent Practice: Addition Exploratory	Add whole numbers. (4-digits, up to 3 numbers)
				41029	Addition and Subtraction Handbook	Understand the meanings of operations and how they relate to one another. (+, -)
					Lesson Quiz: Add Whole Numbers	
		Subtract Whole Numbers	Subtract 4-digit numbers with multiple zeros.			
				40969	Instruction/Practice: Subtract Whole Numbers	Subtract 4-digit numbers with multiple zeros.
				40970	Independent Practice: Subtract Whole Numbers Exploratory	Subtract 4-digit numbers with multiple zeros.
				41030	Addition and Subtraction Handbook	Understand the meanings of operations and how they relate to one another. (+, -)
					Lesson Quiz: Subtract Whole Numbers	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Estimate Sums and Differences	Estimate sums and differences using rounding and compatible numbers.			
				40989	Instruction/Practice: Estimate Sums and Differences	Estimate sums and differences using rounding and compatible numbers.
					Lesson Quiz: Estimate Sums and Differences	
					Chapter Test: Addition and Subtraction	
Multiplication and Division	Understand the meaning of operations and how they relate to one another.					
		Multiples and Common Multiples	Define multiples, and list multiples of a given number. Identify common multiples of two given numbers.			
				40860	Instruction/Practice: Multiples and Common Multiples	Define multiples, and list multiples of a given number. Identify common multiples of two given numbers.
				OT40860	Independent Practice: Practice Resource: Multiple	Identify examples and nonexamples of multiples.
				40861	Independent Practice: Common Multiples Exploratory	Define multiples, and list multiples of a given number. Identify common multiples of two given numbers.
				40856	Common Multiples Handbook	Define multiples, and list multiples of a given number. Identify common multiples of two given numbers.
					Lesson Quiz: Multiples and Common Multiples	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Using Multiplication to Solve Problems	Model a multiplicative comparison using a multiplication equation.			
				M4001	Instruction: Using Multiplication to Solve Comparison Problems	Instruction: Interactive Exploration. Learn to model a multiplicative comparison using a multiplication equation.
				M4002	Supported Practice: Using Multiplication to Solve Comparison Problems	Supported Practice: Practice modeling a multiplicative comparison using a multiplication equation.
				M4003	Independent Practice: Using Multiplication to Solve Comparison Problems	Independent Practice: Practice modeling a multiplicative comparison using a multiplication equation.
				QZM4004	Quiz: Using Multiplication to Solve Problems	Assessment: Quiz. Demonstrate an ability to model a multiplicative comparison using a multiplication equation.
		Multiplication Equations	Interpret a multiplication equation.			
				OA026	Instruction/Practice: Interpreting Multiplication Equations	Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations.
				AQOA026	Activity Quiz: Interpreting Multiplication Equations	
				OA027	Instruction/Practice: Describing Multiplication Situations	Interpret a multiplication equation as a comparison. Represent verbal statements of multiplicative comparisons as multiplication equations.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				AQOA027	Activity Quiz: Describing Multiplication Situations	
					Lesson Quiz: Multiplication Equations	
		Partial Products	Multiply 1-digit numbers with 2-digit and 3-digit numbers. Use partial products and mental multiplication as strategies.			
				40868	Instruction/Practice: Partial Products	Multiply 1-digit numbers with 2-digit and 3-digit numbers. Use partial products and mental multiplication as strategies.
				M4012	Instruction: Multiplying by One-Digit Numbers Using Models	Instruction: Interactive Exploration. Learn to multiply a multi-digit whole number by a one-digit whole number using base ten blocks and area models.
				PRM4013	Independent Practice: Practice Resource: Multiplying by One-Digit Numbers Using Models	Independent Practice: Practice Resource. Practice multiplying a multi-digit whole number by a one-digit whole number using base ten blocks and area models.
				40869	Independent Practice: Partial Products Exploratory	Multiply 1-digit numbers with 2-digit and 3-digit numbers. Use partial products and mental multiplication as strategies.
				40866	Partial Products Handbook	Multiply 1-digit numbers with 2-digit and 3-digit numbers. Use partial products and mental multiplication as strategies.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
					Lesson Quiz: Partial Products	
		Multiply Large Numbers	Multiply 2-digit numbers with 2 and 3-digit numbers.			
				40870	Instruction/Practice: Multiply Large Numbers	Multiply 2-digit numbers with 2 and 3-digit numbers.
				M4014	Instruction: Multiplying Two-Digit by Two-Digit Numbers Using Models	Instruction: Interactive Exploration. Learn to multiply two-digit by two-digit numbers using base ten blocks and area models.
				PRM4015	Independent Practice: Practice Resource: Multiplying Two-Digit by Two-Digit Numbers Using Models	Independent Practice: Practice Resource. Practice multiplying two-digit by two-digit numbers using base ten blocks and area models.
				40867	Multiply Large Numbers Handbook	Multiply 2-digit numbers with 2 and 3-digit numbers.
					Lesson Quiz: Multiply Large Numbers	
		Multiple Factors	Multiply multiple factors.			
				40872	Instruction/Practice: Multiple Factors	Multiply multiple factors.
				40888	Independent Practice: Multiple Factors Exploratory	Multiply multiple factors.
				41147	Multiple Factors Handbook	Multiply multiple factors.
					Lesson Quiz: Multiple Factors	
		Factors and Common Factors	Identify factors of a given number and common factors of two given numbers.			
				40885	Instruction/Practice: Factors	Identify factors of a given number and common factors of two given numbers.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40886	Instruction/Practice: Common Factors	Identify factors of a given number and common factors of two given numbers.
				40914	Independent Practice: Factors and Common Factors Exploratory	Identify factors of a given number and common factors of two given numbers.
				40873	Factors Handbook	Identify factors of a given number and common factors of two given numbers.
					Lesson Quiz: Factors and Common Factors	
		Meaning of Division	Find whole-number quotients and remainders with one-digit divisors. Illustrate and explain the calculation by using equations, standard algorithms, and models			
				NBT017	Instruction/Practice: What Does it Mean to Divide?	Find whole-number quotients and remainders with one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division.
				AQNB017	Activity Quiz: What Does it Mean to Divide?	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Strategies for Dividing	Find whole-number quotients and remainders with one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division.			
				NBT018	Instruction/Practice: Strategies for Solving Division Problems	Find whole-number quotients and remainders with one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, standard algorithms, and models.
				AQNBT018	Activity Quiz: Strategies for Solving Division Problems	
		Dividing with 1-digit Divisors	Divide dividends up to four-digits by one-digit with and without remainders. (Include quotients with 0's)			
				40887	Instruction/Practice: Dividing with 1-digit Divisors	Divide dividends up to four-digits by one-digit with and without remainders. (Include quotients with 0's)
				40890	Dividing with 1-Digit Divisors Handbook	Divide dividends up to four-digits by one-digit with and without remainders. (Include quotients with 0's)
					Lesson Quiz: Dividing with 1-digit Divisors	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Dividing with Remainders	Solve one-step and two-step word problems in which remainders must be interpreted.			
				OA028	Instruction/Practice: Interpreting Remainders	Solve one-step and two-step word problems in which remainders must be interpreted.
				AQOA028	Activity Quiz: Interpreting Remainders	
		Using Division to Compare	Use division to make multiplicative comparisons.			
				M4005	Instruction: Using Division to Compare	Instruction: Interactive Exploration. Learn to use division to make multiplicative comparisons.
				M4006	Problem Solving: Using Division to Compare	Instruction: Learn to use division to make multiplicative comparisons when the number of groups is unknown.
				M4007	Supported Practice: Using Division to Compare	Supported Practice: Practice using division to make multiplicative comparisons.
				M4008	Independent Practice: Using Division to Compare	Independent Practice: Practice using division to make multiplicative comparisons.
				QZM4009	Quiz: Using Division to Compare	Assessment: Quiz. Demonstrate an ability to use division to make multiplicative comparisons.
		Dividing with 2-digit Divisors	Solve two-digit division problems with and without remainders.			
				40901	Instruction/Practice: Dividing with 2-digit Divisors	Solve two-digit division problems with and without remainders.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40906	Independent Practice: Dividing with 2-digit Divisors Exploratory	Solve two-digit division problems with and without remainders.
				40905	Two-digit Divisors Handbook	Solve two-digit division problems with and without remainders.
					Lesson Quiz: Dividing with 2-digit Divisors	
		Dividing by 10 and 100	Apply understanding of place value when solving problems involving multiplication by 10 or 100 and division by 10 or a multiple of 10.			
				NBT014	Instruction/Practice: Exploring Base Ten	Multiply by 10 and 100. Generalize place value understanding for multi- digit whole numbers. Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.
				AQNB014	Activity Quiz: Exploring Base Ten	
				NBT015	Instruction/Practice: What Does Place Value Look Like?	Divide by 10 and 100. Generalize place value understanding for multi- digit whole numbers. Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.
				AQNB015	Activity Quiz: What Does Place Value Look Like?	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
					Lesson Quiz: Multiplying and Dividing by 10 and 100	
		Average	Find the average of a set of numbers.			
				40900	Instruction/Practice: Average	Find the average of a set of numbers.
				40907	Independent Practice: Average Exploratory	Find the average of a set of numbers.
				40908	Average Handbook	Find the average of a set of numbers.
					Lesson Quiz: Average	
					Chapter Test: Multiplication and Division	
Fractions and Decimals	Understand relationships among numbers and ways of representing fractional and decimal numbers.					
		Parts of a Set or a Whole	Match parts of a set and parts of a whole with equivalent fractions with denominators up to 12.			
				40977	Instruction/Practice: Parts of a Set or a Whole	Match parts of a set and parts of a whole with equivalent fractions with denominators up to 12.
				40978	Independent Practice: Parts of a Set or Whole Exploratory	Match parts of a set and parts of a whole with equivalent fractions with denominators up to 12.
				40979	Fractions Handbook	Match parts of a set and parts of a whole with equivalent fractions with denominators up to 12.
					Lesson Quiz: Parts of a Set or a Whole	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Improper Fractions	Identify improper fractions, and convert between improper fractions and mixed numbers.			
				40980	Instruction/Practice: Improper Fractions	Identify improper fractions, and convert between improper fractions and mixed numbers.
				OT40980	Independent Practice: Practice Resource: Improper Fractions	Define improper fraction and identify examples and non-examples.
				40981	Independent Practice: Improper Fractions Exploratory	Identify improper fractions, and convert between improper fractions and mixed numbers.
				40982	Improper Fractions Handbook	Identify improper fractions, and convert between improper fractions and mixed numbers.
					Lesson Quiz: Improper Fractions	
		Equivalent Tenths and Hundredths	Express a fraction with denominator 10 as an equivalent fraction with denominator 100.			
				42012	Instruction/Practice: Equivalent Tenths and Hundredths	Express a fraction with denominator 10 as an equivalent fraction with denominator 100.
				AQ42012	Activity Quiz: Equivalent Tenths and Hundredths	
		Equivalent Fractions	Recognize equivalent fractions. Reduce fractions to lowest terms.			
				40983	Instruction/Practice: Equivalent Fractions	Recognize equivalent fractions. Reduce fractions to lowest terms.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				OW40984	Independent Practice: Compass Writer: Understanding Equivalent Fractions	Understand why a fraction is equivalent to another fraction by using visual fraction models, with attention to how the number and size of the parts differ even though the two fractions themselves are the same size.
				40984	Independent Practice: Equivalent Fractions Exploratory	Recognize equivalent fractions. Reduce fractions to lowest terms.
					Lesson Quiz: Equivalent Fractions	
		Simplifying Fractions to Whole Numbers	Simplify improper fractions to whole numbers using models.			
				42000	Instruction/Practice: Fractions that Simplify to Whole Numbers	Simplify improper fractions to whole numbers using models.
				AQ42000	Activity Quiz: Fractions that Simplify to Whole Numbers	
		Fractions of Whole Numbers	Explore fractions that simplify to whole numbers.			
				42001	Instruction/Practice: Fractions and Equivalent Whole Numbers	Express whole numbers as fractions and recognize fractions that are equivalent to whole numbers.
				AQ42001	Activity Quiz: Fractions and Equivalent Whole Numbers	
					Lesson Quiz: Fractions of Whole Numbers	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Compare and Order Fractions	Order fractions with like and unlike denominators 1 through 12 and compare fractions using the symbols $<$, $>$, and $=$.			
				40986	Instruction/Practice: Compare and Order Fractions	Order fractions with like and unlike denominators 1 through 12 and compare fractions using the symbols $<$, $>$, and $=$.
				M4016	Instruction: Comparing Fractions Using Fraction Models	Instruction: Learn to compare two fractions using fraction models.
				M4017	Supported Practice: Comparing Fractions Using Fraction Models	Supported Practice: Practice comparing two fractions using fraction models.
				PRM4018	Independent Practice: Practice Resource: Comparing Fractions Using Fraction Models	Independent Practice: Practice Resource. Practice comparing two fractions using fraction models.
				40987	Independent Practice: Order and Compare Fractions Exploratory	Order fractions with like and unlike denominators 1 through 12 and compare fractions using the symbols $<$, $>$, and $=$.
					Lesson Quiz: Compare and Order Fractions	
		Join and Separate Fractions	Learn how adding fractions is joining parts related to the same whole, and how subtracting fractions is separating parts related to the same whole.			

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M4019	Instruction: Adding and Subtracting Fractions	Instruction: Interactive Exploration. Learn how adding fractions is joining parts related to the same whole, and how subtracting fractions is separating parts related to the same whole.
				M4020	Supported Practice: Adding and Subtracting Fractions	Supported Practice: Practice adding and subtracting fractions with like denominators.
				M4021	Independent Practice: Adding and Subtracting Fractions	Independent Practice: Practice adding and subtracting fractions with like denominators.
				QZM4022	Quiz: Adding and Subtracting Fractions	Assessment: Quiz. Demonstrate ability to add and subtract fractions with like denominators.
		Add Fractions with Like Denominators	Solve word problems involving addition of fractions with like denominators by using fraction models and equations.			
				42004	Instruction/Practice: Add Fractions with Like Denominators	Solve word problems involving addition of fractions with like denominators by using fraction models and equations.
				M4023	Problem Solving: Adding Fractions with Like Denominators	Instruction: Learn to add fractions with like denominators using a visual fraction model.
				M4024	Supported Practice: Adding and Subtracting Fractions with Like Denominators	Supported Practice: Practice adding and subtracting fractions with like denominators.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				OT42004	Independent Practice: Practice Resource: Add Fractions with Like Denominators	Solve word problems involving addition of fractions with like denominators by using fraction models and equations.
				AQ42004	Activity Quiz: Add Fractions with Like Denominators	
		Subtract Fractions with Like Denominators	Solve word problems involving subtraction of fractions with like denominators by using fraction models and equations.			
				42005	Instruction/Practice: Subtract Fractions with Like Denominators	Solve word problems involving subtraction of fractions with like denominators by using fraction models and equations.
				OT42005	Independent Practice: Practice Resource: Subtract Fractions with Like Denominators	Solve word problems involving subtraction of fractions with like denominators by using fraction models and equations.
				OW42005	Independent Practice: Compass Writer: Subtract Fractions with Like Denominators	Solve word problems involving subtraction of fractions with like denominators by using fraction models and equations. Analyze and explain fraction models.
				AQ42005	Activity Quiz: Subtract Fractions with Like Denominators	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Decomposing Fractions	Decompose a fraction into a sum of fractions with the same denominator in more than one way using a visual fraction model.			
				42002	Instruction/Practice: Decomposing Fractions	Decompose a fraction into a sum of fractions with the same denominator in more than one way using a visual fraction model.
				AT42002	Independent Practice: Practice Resource: Decomposing Fractions	Decompose a fraction into a sum of fractions with the same denominator in more than one way using a visual fraction model and an equation.
				AQ42002	Activity Quiz: Decomposing Fractions	
		Decomposing Improper Fractions	Decompose an improper fraction into a sum of fractions with the same denominator in more than one way and record each decomposition with an equation.			
				42003	Instruction/Practice: Decomposing Improper Fractions	Decompose an improper fraction into a sum of fractions with the same denominator in more than one way and record each decomposition with an equation.
				AQ42003	Activity Quiz: Decomposing Improper Fractions	Decompose an improper fraction into a sum of fractions with the same denominator in more than one way and record each decomposition with an equation.

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		Add and Subtract Fractions	Add and subtract fractions with like denominators.			
				41003	Instruction/Practice: Add and Subtract Fractions	Add and subtract fractions with like denominators.
				41004	Independent Practice: Add and Subtract Fractions Exploratory	Add and subtract fractions with like denominators.
					Lesson Quiz: Add and Subtract Fractions	
		Add and Subtract Mixed Numbers	Add and subtract mixed numbers with like denominators.			
				41006	Instruction/Practice: Add and Subtract Mixed Numbers	Add and subtract mixed numbers with like denominators.
				41007	Independent Practice: Add and Subtract Mixed Numbers Exploratory	Add and subtract mixed numbers with like denominators.
					Lesson Quiz: Add and Subtract Mixed Numbers	
		Add/Subtract Unlike Fractions	Add and subtract fractions with unlike denominators up to 12.			
				41014	Instruction/Practice: Add/Subtract Unlike Fractions	Add and subtract fractions with unlike denominators up to 12.
				OT41014	Independent Practice: Practice Resource: Add Fractions with Unlike Denominators	Solve word problems involving adding fractions with unlike denominators using fraction models and equations.
				41015	Independent Practice: Add and Subtract Unlike Fractions Exploratory	Add and subtract fractions with unlike denominators up to 12.

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					Lesson Quiz: Add/Subtract Unlike Fractions	
		Add Tenths and Hundredths	Add two fractions with respective denominators 10 and 100.			
				42013	Instruction/Practice: Add Tenths and Hundredths	Add two fractions with respective denominators 10 and 100.
				AQ42013	Activity Quiz: Add Tenths and Hundredths	Add two fractions with respective denominators 10 and 100.
		Add Unit Fractions Multiple Times	Add a unit fraction multiple times.			
				42006	Instruction/Practice: Add a Fraction Multiple Times	Add a fraction multiple times.
				AQ42006	Activity Quiz: Add a Fraction Multiple Times	Add a fraction multiple times.
		Fraction Multiples	Recognize multiples of a fraction.			
				42007	Instruction/Practice: Fraction Multiples	Recognize multiples of a fraction.
				AQ42007	Activity Quiz: Fraction Multiples	Recognize multiples of a fraction.
		Multiply a Fraction by a Whole Number	Multiply a fraction by a whole number using visual models and equations.			
				42008	Instruction/Practice: Fraction of a Whole - A	Match a visual model to a multiplication equation involving multiplying a fraction by a whole number.
				AQ42008	Activity Quiz: Fraction of a Whole - A	Match a visual model to a multiplication equation involving multiplying a fraction by a whole number.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				42009	Instruction/Practice: Fraction of a Whole - B	Multiply a fraction by a whole number using previous knowledge of multiples.
				AQ42009	Activity Quiz: Fraction of a Whole - B	Multiply a fraction by a whole number using previous knowledge of multiples.
		Multiply Fractions	Solve word problems involving multiplication of a fraction by a whole number by using visual fraction models and equations to represent the problem.			
				42010	Instruction/Practice: Problem Solving: Fraction of a Whole - A	Solve word problems involving multiplication of a fraction by a whole number by using visual fraction models to represent the problem.
				AQ42010	Activity Quiz: Problem Solving: Fraction of a Whole - A	Solve word problems involving multiplication of a fraction by a whole number by using visual fraction models to represent the problem.
				42011	Instruction/Practice: Problem Solving: Fraction of a Whole - B	Solve word problems involving multiplication of a fraction by a whole number by using an equation to represent the problem.
				AQ42011	Activity Quiz: Problem Solving: Fraction of a Whole - B	Solve word problems involving multiplication of a fraction by a whole number by using an equation to represent the problem.
					Lesson Quiz: Multiply Fractions	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Compare and Order Decimals	Order decimals and compare the values of two decimals using the signs $<$, $>$, and $=$ up to the thousandths place.			
				41017	Instruction/Practice: Compare and Order Decimals	Order decimals and compare the values of two decimals using the signs $<$, $>$, and $=$ up to the thousandths place.
				OW41018	Independent Practice: Compass Writer: Comparing Decimals	Compare two decimals to hundredths by reasoning about their size. Record the results of the comparisons with the symbols $<$, $=$, or $>$, and justify the conclusions.
				41018	Independent Practice: Order and Compare Decimals Exploratory	Order decimals and compare the values of two decimals using the signs $<$, $>$, and $=$ up to the thousandths place.
					Lesson Quiz: Compare and Order Decimals	
		Decimals as Fractions	Read and write decimals as fractions.			
				41022	Instruction/Practice: Decimals as Fractions	Read and write decimals as fractions.
				41023	Independent Practice: Decimals as Fractions Exploratory	Read and write decimals as fractions.
					Lesson Quiz: Decimals as Fractions	
		Add and Subtract Decimals	Add and subtract decimals through thousandths.			
				AT4040	Independent Practice: Practice Resource: Adding Decimals in Word Problems Using Blocks	Add decimals through thousandths in the context of word problems using blocks.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				AT4041	Independent Practice: Practice Resource: Using Number Lines to Add Decimals in Word Problems	Add decimals through thousandths in the context of word problems using number lines.
				AT4042	Independent Practice: Practice Resource: Subtracting Decimals in Word Problems	Subtract decimals through thousandths in the context of word problems.
				41025	Instruction/Practice: Add and Subtract Decimals	Add and subtract decimals through thousandths.
				41026	Independent Practice: Add and Subtract Decimals Exploratory	Add and subtract decimals through thousandths.
				OW41026	Independent Practice: Compass Writer: Explaining How to Add and Subtract Decimals	Add and subtract decimals to the hundredths using concrete models and strategies based on place value. Explain the reasoning used.
					Lesson Quiz: Add and Subtract Decimals	
					Chapter Test: Fractions and Decimals	
Money	Understand the concept of money.					
		Count Money and Make Change	Count and exchange money in amounts up to \$100.00. Solve problems that require making change in amounts up to \$100.00.			
				40948	Instruction/Practice: Count Money and Make Change	Count and exchange money in amounts up to \$100.00. Solve problems that require making change in amounts up to \$100.00.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40949	Independent Practice: Count Money and Make Change Exploratory	Count and exchange money in amounts up to \$100.00. Solve problems that require making change in amounts up to \$100.00.
				40950	Count Money and Make Change Handbook	Count and exchange money in amounts up to \$100.00. Solve problems that require making change in amounts up to \$100.00.
					Lesson Quiz: Count Money and Make Change	
		Add and Subtract Money	Solve addition and subtraction problems involving money.			
				40956	Instruction/Practice: Add and Subtract Money	Solve addition and subtraction problems involving money.
				40957	Independent Practice: Add and Subtract Money Exploratory	Solve addition and subtraction problems involving money.
				40958	Add and Subtract Money Handbook	Solve addition and subtraction problems involving money.
					Lesson Quiz: Add and Subtract Money	
		Multiply and Divide Money	Solve multiplication and division problems involving money.			
				40959	Instruction/Practice: Multiply and Divide Money	Solve multiplication and division problems involving money.
				40960	Instruction/Practice: Multiply and Divide Money Exploratory	Solve multiplication and division problems involving money.
				40961	Multiply and Divide Money Handbook	Solve multiplication and division problems involving money.
					Lesson Quiz: Multiply and Divide Money	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
					Chapter Test: Money	
Patterns	Understand patterns, relations, and functions.					
		Patterns	Identify and extend patterns and apply pattern rules using shapes, colors, and numbers. (repeating, growing patterns)			
				40894	Instruction/Practice: Patterns	Identify and extend patterns and apply pattern rules using shapes, colors, and numbers. (repeating, growing patterns)
				40895	Independent Practice: Patterns Exploratory	Identify and extend patterns and apply pattern rules using shapes, colors, and numbers. (repeating, growing patterns)
				40896	Patterns Handbook	Identify and extend patterns and apply pattern rules using shapes, colors, and numbers. (repeating, growing patterns)
					Lesson Quiz: Patterns	
		Numeric Patterns	Identify and apply pattern rules using sequences of related numbers. (arithmetic, geometric sequence)			
				40897	Instruction/Practice: Numeric Patterns	Identify and apply pattern rules using sequences of related numbers. (arithmetic, geometric sequence)
				40898	Independent Practice: Numeric Patterns Exploratory	Identify and apply pattern rules using sequences of related numbers. (arithmetic, geometric sequence)

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40899	Numeric Patterns Handbook	Identify and apply pattern rules using sequences of related numbers. (arithmetic, geometric sequence)
					Lesson Quiz: Numeric Patterns	
		Apply Function Rules	Apply the appropriate rule to complete a chart including input/output tables. Solve problems associated with a given relationship using a table of values.			
				40902	Instruction/Practice: Apply Function Rules	Apply the appropriate rule to complete a chart including input/output tables. Solve problems associated with a given relationship using a table of values.
				40903	Independent Practice: Apply Function Rules Exploratory	Apply the appropriate rule to complete a chart including input/output tables. Solve problems associated with a given relationship using a table of values.
				40904	Functions Handbook	Apply the appropriate rule to complete a chart including input/output tables. Solve problems associated with a given relationship using a table of values.
					Lesson Quiz: Apply Function Rules	
					Chapter Test: Patterns	
Algebra	Represent and analyze mathematical situations using algebraic symbols.					

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Expressions	Represent written relationships as expressions and use a variable to represent an unknown quantity in an expression.			
				40919	Instruction/Practice: Expressions	Represent written relationships as numeric equations and use a variable to represent an unknown quantity in an expression.
				40921	Expressions Handbook	Represent written relationships as numeric equations and use a variable to represent an unknown quantity in an expression.
					Lesson Quiz: Expressions	
		Equations	Explore the idea of a variable by solving for an unknown quantity in an equation. Example: $3 + a = 7$.			
				40931	Instruction/Practice: Equations	Explore the idea of a variable by solving for an unknown quantity in an equation. Example: $3 + a = 7$.
				40932	Independent Practice: Equations Exploratory	Explore the idea of a variable by solving for an unknown quantity in an equation. Example: $3 + a = 7$.
				40933	Equations Handbook	Explore the idea of a variable by solving for an unknown quantity in an equation. Example: $3 + a = 7$.
				OA029	Instruction/Practice: Using an Equation to Represent a Situation	Solve multistep word problems. Represent these problems using equations with a letter standing for the unknown quantity.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				AQOA029	Activity Quiz: Using an Equation to Represent a Situation	
					Lesson Quiz: Equations	
		Properties	Use the Commutative and Associative Properties of Addition and Multiplication to find equivalent expressions or equations containing an unknown quantity.			
				40942	Instruction/Practice: Properties	Use the Commutative and Associative Properties of Addition and Multiplication to find equivalent expressions or equations containing an unknown quantity.
				40943	Independent Practice: Properties Exploratory	Use the Commutative and Associative Properties of Addition and Multiplication to find equivalent expressions or equations containing an unknown quantity.
				40944	Properties Handbook	Use the Commutative and Associative Properties of Addition and Multiplication to find equivalent expressions or equations containing an unknown quantity.
					Lesson Quiz: Properties	
					Chapter Test: Algebra	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
Properties of Shapes	Analyze characteristics and properties of 2- and 3-dimensional shapes.					
		Points, Lines, Segments, Rays	Define, name, and identify points, lines, line segments, rays and angles.			
				40823	Instruction/Practice: Points, Lines, Segments, Rays	Define, name, and identify points, lines, line segments, rays and angles.
				40824	Independent Practice: Points, Lines, Segments, Rays, and Angles Exploratory	Define, name, and identify points, lines, line segments, rays and angles.
				40818	Points, Lines, Segments, Rays, and Angles Handbook	Define, name, and identify points, lines, line segments, rays and angles.
					Lesson Quiz: Points, Lines, Segments, Rays	
		Identify and Classify Angles	Identify and classify angles as right, obtuse, or acute.			
				40825	Instruction/Practice: Identify and Classify Angles	Identify and classify angles as right, obtuse, or acute.
				40829	Independent Practice: Angles Exploratory	Identify and classify angles as right, obtuse, or acute.
				40817	Classifying Angles Handbook	Identify and classify angles as right, obtuse, or acute.
					Lesson Quiz: Classify Angles	
		Exploring Angles	Understand that an angle is made up of a series of one-degree turns.			

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA4042	Instruction: Exploring Angles as a Series of One-Degree Turns	Students will understand that an angle is made up of a series of one-degree turns.
				AQMA4042	Activity Quiz: Exploring Angles as a Series of One-Degree Turns	
		Drawing Angles	Understand how to sketch angles of specified measure using a protractor.			
				MA4044	Instruction: Drawing Angles	Understand how to sketch angles of specified measure using a protractor.
				ATMA4044	Independent Practice: Practice Resource: Drawing Angles	Understand how to use a protractor to draw angles.
				AQMA4044	Activity Quiz: Drawing Angles	
		Measuring Acute Angles	Understand how to measure acute angles using a protractor.			
				MA4043A	Instruction: Measuring Acute Angles	Understand how to measure acute angles using a protractor.
				AQMA4043A	Activity Quiz: Measuring Acute Angles	
		Measuring Obtuse Angles	Understand how to measure obtuse angles using a protractor.			
				MA4043B	Instruction: Measuring Obtuse Angles	Understand how to measure obtuse angles using a protractor.
				ATMA4043	Independent Practice: Practice Resource: Measuring Angles	Understand how to measure angles using a protractor.
				AQMA4043B	Activity Quiz: Measuring Obtuse Angles	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Attributes of Polygons	Identify polygons, regular polygons, and non-polygons and their attributes.(sides, angles, and vertices) Classify polygons into subsets.			
				40830	Instruction/Practice: Attributes of Polygons	Identify polygons, regular polygons, and non-polygons and their attributes. (sides, angles, and vertices) Classify polygons into subsets.
				40831	Independent Practice: Attributes of Polygons Exploratory	Identify polygons, regular polygons, and non-polygons and their attributes. (sides, angles, and vertices) Classify polygons into subsets.
				40820	Attributes of Polygons Handbook	Identify polygons, regular polygons, and non-polygons and their attributes. (sides, angles, and vertices) Classify polygons into subsets.
					Lesson Quiz: Attributes of Polygons	
		Lines and Angles Found in Shapes	Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size.			
				G018	Instruction/Practice: Lines and Angles Found in Shapes	Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				AQG018	Activity Quiz: Lines and Angles Found in Shapes	
		Attributes of Triangles	Classify triangles according to angle size (right, acute, obtuse) and side lengths (equilateral, isosceles, scalene).			
				40833	Instruction/Practice: Classify Triangles According to Angle Size	Classify triangles according to angle size (right, acute, obtuse).
				40832	Instruction/Practice: Classify Triangles According to Side Lengths	Classify triangles according to angle size (right, acute, obtuse) and side lengths (equilateral, isosceles, scalene).
				40834	Independent Practice: Attributes of Triangles Exploratory	Classify triangles according to side lengths (equilateral, isosceles, scalene).
				40816	Attributes of Triangles Handbook	Classify triangles according to angle size (right, acute, obtuse) and side lengths (equilateral, isosceles, scalene).
					Lesson Quiz: Attributes of Triangles	
		Attributes of Circles	Identify the radius and diameter of a circle, and calculate one when given the other.			
				40835	Instruction/Practice: Attributes of Circles	Identify the radius and diameter of a circle, and calculate one when given the other.
				40836	Independent Practice: Attributes of Circles Exploratory	Identify the radius and diameter of a circle, and calculate one when given the other.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40819	Attributes of Circles Handbook	Identify the radius and diameter of a circle, and calculate one when given the other.
					Lesson Quiz: Attributes of Circles	
		Attributes of Solids	Identify the attributes of solid figures such as cubes, prisms, pyramids, cones, cylinders, and spheres. (edges, vertices, and faces) Identify and create two-dimensional representation of a three-dimensional figure.			
				40837	Instruction/Practice: Attributes of Solids	Identify the attributes of solid figures such as cubes, prisms, pyramids, cones, cylinders, and spheres. (edges, vertices, and faces) Identify and create two-dimensional representation of a three-dimensional figure.
				40838	Independent Practice: Attributes of Solids Exploratory	Identify the attributes of solid figures such as cubes, prisms, pyramids, cones, cylinders, and spheres. (edges, vertices, and faces) Identify and create two-dimensional representation of a three-dimensional figure.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40822	Attributes of Solids Handbook	Identify the attributes of solid figures such as cubes, prisms, pyramids, cones, cylinders, and spheres. (edges, vertices, and faces) Identify and create two-dimensional representation of a three-dimensional figure.
					Lesson Quiz: Attributes of Solids	
					Chapter Test: Properties of Shapes	
Coordinate Geometry	Specify locations and describe spatial relationships using coordinate geometry.					
		Ordered Pairs	Plot a point given an ordered pair or write the ordered pair of a point shown on a coordinate grid.(1st quadrant only)			
				40839	Instruction/Practice: Plotting Ordered Pairs	Plot a point given an ordered pair on a coordinate grid.(1st quadrant only)
				40840	Instruction/Practice: Writing Ordered Pairs	Write the ordered pair of a point shown on a coordinate grid.(1st quadrant only)
				40841	Independent Practice: Ordered Pairs Exploratory	Plot a point given an ordered pair or write the ordered pair of a point shown on a coordinate grid.(1st quadrant only)
					Lesson Quiz: Ordered Pairs	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Distance and Directions	After being given the distance and navigational directions from the initial point within the first quadrant, write the ordered pair of the final point.			
				40842	Instruction/Practice: Distance and Directions	After being given the distance and navigational directions from the initial point within the first quadrant, write the ordered pair of the final point.
				40843	Independent Practice: Distance and Directions Exploratory	After being given the distance and navigational directions from the initial point within the first quadrant, write the ordered pair of the final point.
					Lesson Quiz: Distance and Directions	
					Chapter Test: Coordinate Geometry	
Transformations and Symmetry	Apply transformations and use symmetry to analyze mathematical situations.					
		Similar and Congruent Figures	Given a plane figure, identify the similar or congruent figure.			
				40826	Instruction/Practice: Construct Congruent Figures	Given a plane figure, construct a congruent figure.
				40827	Instruction/Practice: Identify Similar and Congruent Figures	Given a plane figure, identify the similar or congruent figure.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40828	Independent Practice: Similar and Congruent Figures Exploratory	Given a plane figure, identify the similar or congruent figure.
				41140	Similar and Congruent Figures Handbook	Given a plane figure, identify the similar or congruent figure.
					Lesson Quiz: Similar and Congruent Figures	
		Transformations	Apply a translation, a reflection, or a rotation to a plane figure. Predict the result. Identify the image of a plane figure as a translation, a reflection, or a rotation.			
				40844	Instruction/Practice: Transformations	Apply a translation, a reflection, or a rotation to a plane figure. Predict the result. Identify the image of a plane figure as a translation, a reflection, or a rotation.
				40845	Independent Practice: Transformations Exploratory	Apply a translation, a reflection, or a rotation to a plane figure. Predict the result. Identify the image of a plane figure as a translation, a reflection, or a rotation.
				41141	Transformations Handbook	Apply a translation, a reflection, or a rotation to a plane figure. Predict the result. Identify the image of a plane figure as a translation, a reflection, or a rotation.
					Lesson Quiz: Transformations	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Symmetry	Classify plane figures as having line symmetry, point symmetry, both, or none.			
				40846	Instruction/Practice: Symmetry	Classify plane figures as having line symmetry, point symmetry, both, or none.
				40847	Independent Practice: Symmetry Exploratory	Classify plane figures as having line symmetry, point symmetry, both, or none.
				41143	Symmetry Handbook	Classify plane figures as having line symmetry, point symmetry, both, or none.
					Lesson Quiz: Symmetry	
					Chapter Test: Transformations and Symmetry	
Time	Understand the attributes of time and apply tools.					
		Telling Time	Tell and show time to the 5 and 1 minute intervals.			
				40848	Instruction/Practice: Telling Time	Tell and show time to the 5 and 1 minute intervals.
				40849	Independent Practice: Telling Time Exploratory	Tell and show time to the 5 and 1 minute intervals.
				41142	Telling Time Handbook	Tell and show time to the 5 and 1 minute intervals.
					Lesson Quiz: Telling Time	
		Elapsed Time	Find elapsed time using days and weeks.			
				40862	Instruction/Practice: Elapsed Time A	Find elapsed time using minutes and hours.
				40863	Instruction/Practice: Elapsed Time B	Find elapsed time using minutes, hours, days, and weeks.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40864	Independent Practice: Elapsed Time Exploratory	Find elapsed time using minutes, hours, days, and weeks.
				40821	Elapsed Time Handbook	Find elapsed time using minutes, hours, days, and weeks.
					Lesson Quiz: Elapsed Time	
		Time Schedules	Interpret time schedules using minutes, hours, days, and weeks.			
				40937	Instruction/Practice: Time Schedules	Interpret time schedules using minutes, hours, days, and weeks.
				40938	Independent Practice: Time Schedule Exploratory	Interpret time schedules using minutes, hours, days, and weeks.
				41148	Time Schedule Handbook	Interpret time schedules using minutes, hours, days, and weeks.
					Lesson Quiz: Time Schedules	
					Chapter Test: Time	
Customary System	Use the customary system of measurement to understand the attributes of length, weight, capacity, and temperature and apply appropriate measuring techniques.					
		Customary Units of Length	Define units of length. (inch, foot, yard, mile) Estimate and compare length. Measure to the nearest quarter-inch.			

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40916	Instruction/Practice: Customary Units of Length	Define units of length. (inch, foot, yard, mile) Estimate and compare length. Measure to the nearest quarter-inch.
				40917	Independent Practice: Customary Units of Length Exploratory	Define units of length. (inch, foot, yard, mile) Estimate and compare length. Measure to the nearest quarter-inch.
				40918	Length Handbook	Define units of length. (inch, foot, yard, mile) Estimate and compare length. Measure to the nearest quarter-inch.
					Lesson Quiz: Length	
		Converting Customary Measurements of Length	Convert measurements of length to new units.			
				40928	Instruction/Practice: Converting Measurements of Length	Convert measurements of length to new units.
				40929	Independent Practice: Converting Length Exploratory	Convert measurements of length to new units.
				40930	Converting Length Handbook	Convert measurements of length to new units.
					Lesson Quiz: Converting Length	
		Customary Units of Capacity	Define units of capacity. (cup, pint, quart, gallon) Estimate and compare capacity.			
				40934	Instruction/Practice: Customary Units of Capacity	Define units of capacity. (cup, pint, quart, gallon) Estimate and compare capacity.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40935	Independent Practice: Customary Units of Capacity Exploratory	Define units of capacity. (cup, pint, quart, gallon) Estimate and compare capacity.
				40936	Capacity Handbook	Define units of capacity. (cup, pint, quart, gallon) Estimate and compare capacity.
					Lesson Quiz: Capacity	
		Converting Customary Units of Capacity	Convert measurements of capacity to new units.			
				40939	Instruction/Practice: Converting Customary Units of Capacity	Convert measurements of capacity to new units.
				40940	Independent Practice: Converting Customary Units of Capacity Exploratory	Convert measurements of capacity to new units.
				40941	Converting Capacity Handbook	Convert measurements of capacity to new units.
					Lesson Quiz: Converting Capacity	
		Customary Units of Weight	Define units of weight. (ounce, pound, ton) Estimate and compare weight.			
				40945	Instruction/Practice: Customary Units of Weight	Define units of weight. (ounce, pound, ton) Estimate and compare weight.
				40946	Independent Practice: Customary Units of Weight Exploratory	Define units of weight. (ounce, pound, ton) Estimate and compare weight.
				40947	Weight Handbook	Define units of weight. (ounce, pound, ton) Estimate and compare weight.
					Lesson Quiz: Weight	
		Converting Customary Units of Weight	Convert measurements of weight to new units.			

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40951	Instruction/Practice: Converting Customary Units of Weight	Convert measurements of weight to new units.
				40952	Independent Practice: Converting Customary Units of Weight Exploratory	Convert measurements of weight to new units.
				40953	Converting Weight Handbook	Convert measurements of weight to new units.
					Lesson Quiz: Converting Weight	
		Temperature	Read thermometer to nearest 2-degree interval. Compute change in temperature.			
				40954	Instruction/Practice: Temperature	Read thermometer to nearest 2- degree interval. Compute change in temperature.
				40955	Independent Practice: Temperature Exploratory	Read thermometer to nearest 2- degree interval. Compute change in temperature.
				41033	Temperature Handbook	Read thermometer to nearest 2- degree interval. Compute change in temperature.
					Lesson Quiz: Temperature	
					Chapter Test: Customary System	
Metric System	The learner will use the metric system of measurement to understand the attributes of length, weight, capacity, and temperature and apply appropriate measuring techniques.					

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Metric Units of Length	Define units of length. (centimeter, decimeter, meter) Estimate and compare length. Measure to the nearest centimeter.			
				40962	Instruction/Practice: Metric Units of Length	Define units of length. (centimeter, decimeter, meter) Estimate and compare length. Measure to the nearest centimeter.
				40963	Independent Practice: Metric Units of Length Exploratory	Define units of length. (centimeter, decimeter, meter) Estimate and compare length. Measure to the nearest centimeter.
					Lesson Quiz: Length	
		Converting Metric Units of Length	Convert measurements of length to new units.			
				40964	Instruction/Practice: Converting Metric Units of Length	Convert measurements of length to new units.
				40965	Independent Practice: Converting Metric Units of Exploratory	Convert measurements of length to new units.
				40966	Converting Length Handbook	Convert measurements of length to new units.
					Lesson Quiz: Converting Length	
		Metric Units of Capacity	Define units of capacity. (milliliter, liter) Estimate and compare capacity.			
				41009	Instruction/Practice: Metric Units of Capacity	Define units of capacity. (milliliter, liter) Estimate and compare capacity.
				41010	Independent Practice: Metric Units of Capacity Exploratory	Define units of capacity. (milliliter, liter) Estimate and compare capacity.
					Lesson Quiz: Capacity	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Converting Metric Units of Capacity	Convert measurements of capacity to new units.			
				41020	Instruction/Practice: Converting Metric Units of Capacity	Convert measurements of capacity to new units.
				41021	Independent Practice: Converting Metric Units of Capacity Exploratory	Convert measurements of capacity to new units.
					Lesson Quiz: Converting Capacity	
		Estimating and Comparing Mass	Define units of mass. (gram, kilogram) Estimate and compare mass.			
				41011	Instruction/Practice: Estimating and Comparing Mass	Define units of mass. (gram, kilogram) Estimate and compare mass.
				41012	Independent Practice: Estimating and Comparing Mass Exploratory	Define units of mass. (gram, kilogram) Estimate and compare mass.
					Lesson Quiz: Mass	
		Converting Mass	Convert measurements of mass to new units.			
				40997	Instruction/Practice: Converting Mass	Convert measurements of mass to new units.
					Lesson Quiz: Converting Mass	
		Temperature	Read thermometer to nearest 2-degree interval. Compute change in temperature.			
				41000	Instruction/Practice: Temperature (metric)	Read thermometer to nearest 1-degree interval. Compute change in temperature.
				41001	Independent Practice: Temperature Exploratory	Read thermometer to nearest 1-degree interval. Compute change in temperature.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
					Lesson Quiz: Temperature	
					Chapter Test: Metric System	
Perimeter, Area, and Volume	Understand the attributes of perimeter, area, and volume capacity and apply appropriate techniques, tools, and formulas to determine measurements.					
		Perimeter	Find perimeter by counting units and by adding lengths. Measure to find the perimeter. Select appropriate label for measurement.			
				40971	Instruction/Practice: Perimeter	Find perimeter by counting units and by adding lengths. Measure to find the perimeter. Select appropriate label for measurement.
				40972	Independent Practice: Perimeter Exploratory	Find perimeter by counting units and by adding lengths. Measure to find the perimeter. Select appropriate label for measurement.
					Lesson Quiz: Perimeter	
		Area	Find area by counting units. Multiply to find area. Select appropriate labels of measurement.			

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40974	Instruction/Practice: Area	Find area by counting units. Multiply to find area. Select appropriate labels of measurement.
				40975	Independent Practice: Area Exploratory	Find area by counting units. Multiply to find area. Select appropriate labels of measurement.
					Lesson Quiz: Area	
		Comparing Perimeter and Area	Compare perimeter and area.			
				40991	Instruction/Practice: Comparing Perimeter and Area	Compare perimeter and area.
				40992	Independent Practice: Comparing Perimeter and Area Exploratory	Compare perimeter and area.
					Lesson Quiz: Comparing Perimeter and Area	
		Volume	Find volume by counting units. Multiply to find volume. Select appropriate labels of measurement.			
				40994	Instruction/Practice: Volume	Find volume by counting units. Multiply to find volume. Select appropriate labels of measurement.
				40995	Independent Practice: Volume Exploratory	Find volume by counting units. Multiply to find volume. Select appropriate labels of measurement.
				OT40994	Independent Practice: Practice Resource: Volume	Use models that approximate cubic units to determine the volume of a given container or three-dimensional figure.
					Lesson Quiz: Volume	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
					Chapter Test: Perimeter, Area, and Volume	
Display and Interpret Data	Display and interpret data in charts and graphs.					
		Frequency Tables	Display and interpret data in frequency and cumulative frequency tables, compare data, and draw conclusions.			
				40865	Instruction/Practice: Frequency Tables	Display and interpret data in frequency and cumulative frequency tables, compare data, and draw conclusions.
				40858	Frequency Tables Handbook	Display and interpret data in frequency and cumulative frequency tables, compare data, and draw conclusions.
					Lesson Quiz: Frequency Tables	
		Bar Graphs	Display and interpret data in bar and double bar graphs, compare data, and draw conclusions.			
				40874	Instruction/Practice: Bar Graphs	Display and interpret data in bar and double bar graphs, compare data, and draw conclusions.
				40877	Independent Practice: Bar Graphs Exploratory	Display and interpret data in bar and double bar graphs, compare data, and draw conclusions.
				40859	Bar Graphs Handbook	Display and interpret data in bar and double bar graphs, compare data, and draw conclusions.
					Lesson Quiz: Bar Graphs	

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Line and Stem-and-Leaf Plots	Display and interpret data in line and stem-and-leaf plots, compare data, and draw conclusions.			
				40875	Instruction/Practice: Line and Stem-and-Leaf Plots	Display and interpret data in line and stem-and-leaf plots, compare data, and draw conclusions.
				40878	Independent Practice: Line and Stem-and-Leaf Plot Exploratory	Display and interpret data in line and stem-and-leaf plots, compare data, and draw conclusions.
				40876	Line and Stem-and-Leaf Plot Handbook	Display and interpret data in line and stem-and-leaf plots, compare data, and draw conclusions.
					Lesson Quiz: Line and Stem-and-Leaf Plots	
		Line Graphs	Display and interpret data in a line graph, compare data, and draw conclusions.			
				40879	Instruction/Practice: Line Graphs	Display and interpret data in a line graph, compare data, and draw conclusions.
				40880	Independent Practice: Line Graphs Exploratory	Display and interpret data in a line graph, compare data, and draw conclusions.
				40881	Line Graphs Handbook	Display and interpret data in a line graph, compare data, and draw conclusions.
					Lesson Quiz: Line Graphs	
		Mean, Median, Mode, and Range	Identify the mean, median, mode, and range from a set of data or a graph.			
				40882	Instruction/Practice: Mean, Median, Mode, and Range	Identify the mean, median, mode, and range from a set of data or a graph.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				40883	Independent Practice: Mean, Median, Mode, and Range Exploratory	Identify the mean, median, mode, and range from a set of data or a graph.
				40884	Mean, Median, Mode, and Range Handbook	Identify the mean, median, mode, and range from a set of data or a graph.
					Lesson Quiz: Mean, Median, Mode, and Range	
					Chapter Test: Display and Interpret Data	
Probability	Apply basic concepts of probability.					
		Certainty and Likelihood	Determine certainty, likelihood, and fairness of events.			
				40850	Instruction/Practice: Certainty and Likelihood	Determine certainty, likelihood, and fairness of events.
				40851	Independent Practice: Events Exploratory	Determine certainty, likelihood, and fairness of events.
				41144	Certainty and Likelihood Handbook	Determine certainty, likelihood, and fairness of events.
					Lesson Quiz: Certainty and Likelihood	
		Possible Combinations	Determine and list the possible combinations of an event.			
				40852	Instruction/Practice: Possible Combinations	Determine and list the possible combinations of an event.
				40853	Independent Practice: Possible Combinations Exploratory	Determine and list the possible combinations of an event.
				41145	Possible Combinations Handbook	Determine and list the possible combinations of an event.

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Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
					Lesson Quiz: Possible Combinations	
		Calculate Probability	Calculate probability as a fraction.			
				40854	Instruction/Practice: Calculate Probability	Calculate probability as a fraction.
				40855	Independent Practice: Probability Exploratory	Calculate probability as a fraction.
				41146	Calculate Probability Handbook	Calculate probability as a fraction.
					Lesson Quiz: Calculate Probability	
					Chapter Test: Probability	
Problem-Solving	The learner will learn heuristics and methods for solving problems.					
		Solving Multi-Step Word Problems	Solve multistep word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers.			
				OA030	Instruction/Practice: Solving Multi-Step Word Problems	Solve multistep word problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers.
				M4010	Problem Solving: Solving Multi-Step Word Problems	Instruction: Learn to solve multi-step word problems.

Math 4: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M4011	Supported Practice: Solving Multi-Step Word Problems	Supported Practice: Practice solving multi-step word problems.
				OWOA030	Instruction/Practice: Compass Writer: Solving Multi-Step Word Problems	Assess the solution strategies using to determine the solution of a multi-step word problem.
				AQOA030	Activity Quiz: Solving Multi-Step Word Problems	
					Lesson Quiz: Basics to Solving Problems	
					Chapter Test: Problem-Solving	
Mathematical Practices	This chapter addresses the Mathematical Practice standards.					
		Make Sense of Problems and Persevere	Students will make sense of problems and persevere in solving them.			
				MA49011	Instruction: Make Sense of Problems and Persevere	Instruction: Learn to make sense of problems and persevere in solving them.
		Reason Abstractly and Quantitatively	Students will reason abstractly and quantitatively.			
				MA49012	Instruction: Creating and Using Representations	Instruction: Learn to create and use representations to solve problems.
		Construct Viable Arguments and Critique Reasoning	Students will construct viable arguments and critique the reasoning of others.			
				MA49013	Instruction: Constructing Reasonable Arguments and Critiquing the Reasoning of Others	Instruction: Learn to construct viable arguments and critique the reasoning of others.

Math 4: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Model with Mathematics	Students will model with mathematics.			
				MA49014	Instruction: Modeling with Mathematics	Instruction: Learn to model mathematical problems.
		Use Appropriate Tools Strategically	Students will use appropriate tools strategically.			
				MA49015	Instruction: Using Tools and Strategies to Solve Problems	Instruction: Using Tools and Strategies to Solve Problems
		Attend to Precision	Students will attend to precision.			
				MA49016	Instruction: Attending to Precision	Instruction: Learn to attend to precision.
		Look for and Make Use of Structure	Students will look for and make use of structure.			
				MA49017	Instruction: Looking For and Making Use of Structure	Instruction: Learn to look for and make use of structure.
		Express Regularity in Repeated Reasoning	Students will express regularity in repeated reasoning.			
				MA49018	Instruction: Looking For and Using Repeated Reasoning	Instruction: Learn to look for and express regularity in repeated reasoning.
Mathematical Processes	This chapter addresses the Mathematical Process standards.					
		Apply Mathematics to Real-World Problems	Students will apply mathematics to real-world problems.			
				MA49001	Instruction: Applying Mathematics to Problems in Everyday Life	Instruction: Learn to apply math to solve everyday problems.
		Use a Problem-Solving Model	Students will use a problem-solving model.			

Math 4: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA49002	Instruction: Using a Problem-Solving Model	Instruction: Learn to use a problem-solving model.
		Select Appropriate Tools	Students will select appropriate tools.			
				MA49003	Instruction: Using Tools and Strategies to Solve Problems	Instruction: Learn to select and use tools and strategies to solve problems.
		Communicate Reasoning	Students will communicate reasoning.			
				MA49004	Instruction: Communicating Mathematical Ideas and Reasoning	Instruction: Learn to communicate mathematical ideas and to explain your reasoning.
		Create and Use Representations	Students will create and use representations.			
				MA49005	Instruction: Creating and Using Representations	Instruction: Learn to create and use representations to solve problems.
		Analyze Relationships	Students will analyze relationships.			
				MA49006	Instruction: Analyzing Mathematical Relationships	Instruction: Learn to analyze mathematical relationships to solve problems.
		Use Precise Mathematical Language	Students will use precise mathematical language.			
				MA49007	Instruction: Displaying and Explaining Mathematical Ideas	Instruction: Learn to explain mathematical ideas using precise language and visual diagrams.