

Learning Continuum - Test View

MAP: Math 2-5 Common Core 2010 V2

[Print](#)**Goal: Operations and Algebraic Thinking****Sub-goal: Represent and Solve Problems**

181-190 Reinforce these skills & concepts	191-200 Develop these skills & concepts	201-210 Introduce these skills & concepts
Number Sentences/Equations/Equivalence		
<ul style="list-style-type: none"> • Decomposes whole numbers within 10 in more than one way • Determines start or change unknown in subtraction equations with whole numbers within 20 • Determines unknown factors in multiplication equations with whole numbers and products within 100 • Determines unknown parts in addition equations with whole numbers, sums within 20 • Represents division equations with whole numbers as part-unknown multiplication equations • Represents subtraction equations with whole numbers as part-unknown addition equations 	<ul style="list-style-type: none"> • Determines unknown divisors in division equations with whole numbers and dividends within 100 • Determines unknown factors in multiplication equations with whole numbers and products within 100 • Represents division equations with whole numbers as part-unknown multiplication equations • Represents subtraction equations with whole numbers as part-unknown addition equations 	<ul style="list-style-type: none"> • Determines unknown divisors in division equations with whole numbers and dividends within 100 • Determines unknown factors in multiplication equations with whole numbers and products greater than 100 • Determines unknown factors in multiplication equations with whole numbers and products within 100 • Represents division equations with whole numbers as part-unknown multiplication equations • Represents subtraction equations with whole numbers as part-unknown addition equations
Numerical Expressions		
<ul style="list-style-type: none"> • Evaluates numerical expressions involving addition and subtraction with 	<ul style="list-style-type: none"> • Evaluates numerical expressions involving addition and subtraction with 	<ul style="list-style-type: none"> • Evaluates numerical expressions involving multiple operations with whole

whole numbers and parentheses	whole numbers and parentheses <ul style="list-style-type: none"> Evaluates numerical expressions involving multiple operations with whole numbers and parentheses 	numbers and parentheses <ul style="list-style-type: none"> Represents descriptions of calculations with numerical expressions that include parentheses
Properties and Relationships of Operations		
<ul style="list-style-type: none"> Identifies the missing equation in whole-number addition or subtraction fact families Represents division equations with whole numbers as part-unknown multiplication equations Represents multiplication as repeated addition Represents subtraction equations with whole numbers as part-unknown addition equations Understands the inverse relationship between addition and subtraction 	<ul style="list-style-type: none"> Applies the associative property of multiplication to whole numbers Represents division equations with whole numbers as part-unknown multiplication equations Represents multiplication as repeated addition Represents subtraction equations with whole numbers as part-unknown addition equations Understands multiplication as a comparison of sizes Understands multiplication as many groups of equal size Understands the inverse relationship between addition and subtraction Understands the inverse relationship between multiplication and division 	<ul style="list-style-type: none"> Applies the associative property of multiplication to whole numbers Applies the distributive property of multiplication to whole numbers Represents division equations with whole numbers as part-unknown multiplication equations Represents multiplication as repeated addition Represents subtraction equations with whole numbers as part-unknown addition equations Understands division as equal sharing Understands multiplication as a comparison of sizes Understands multiplication as many groups of equal size Understands the inverse relationship between addition and subtraction Understands the inverse relationship between multiplication and division
Whole Numbers and Decimals: Rounding/Estimation		
<ul style="list-style-type: none"> Estimates solutions to multi-step word problems involving the four operations with whole numbers 	<ul style="list-style-type: none"> Estimates solutions to multi-step word problems involving the four operations with whole numbers Estimates solutions to one-step word problems involving the four operations with whole numbers 	<ul style="list-style-type: none"> Estimates solutions to multi-step word problems involving the four operations with whole numbers Estimates solutions to one-step word problems involving the four operations with whole numbers
Whole Numbers: Addition/Subtraction		
<ul style="list-style-type: none"> Adds three or more whole numbers with sums within 20 		
Whole Numbers: Concepts/Properties		
<ul style="list-style-type: none"> Determines if sets of objects are even or odd 	<ul style="list-style-type: none"> Determines if sets of objects are even or odd 	
Whole Numbers: Multiplication/Division		
<ul style="list-style-type: none"> Divides basic facts Multiplies basic facts Represents multiplication using models 	<ul style="list-style-type: none"> Divides basic facts Multiplies basic facts 	<ul style="list-style-type: none"> Divides basic facts
Whole Numbers: Place Value		
<ul style="list-style-type: none"> Decomposes numbers to make 10 as a strategy for addition or subtraction 	<ul style="list-style-type: none"> Decomposes numbers to make 10 as a strategy for addition or subtraction 	

Whole Numbers: Represent and Solve Word Problems

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| <ul style="list-style-type: none"> • Estimates solutions to multi-step word problems involving the four operations with whole numbers • Represents multi-step word problems with expressions or equations, whole numbers • Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 20 • Represents one-step equal-groups multiplication and division word problems with models, whole numbers • Represents one-step equal-groups multiplication word problems as expressions or equations, whole numbers • Represents one-step multiplicative-comparison word problems as expressions or equations, whole numbers • Solves multi-step addition and subtraction word problems, whole numbers within 100 • Solves multi-step word problems involving the four operations with whole numbers • Solves one-step additive-comparison word problems, whole numbers within 100 • Solves one-step additive-comparison word problems, whole numbers within 20 • Solves one-step equal-groups division word problems, whole numbers within 100 • Solves one-step equal-groups multiplication word problems, whole numbers with products within 100 • Solves one-step put-together word problems with result unknown, whole numbers within 100 • Solves one-step put-together word problems with result unknown, whole numbers within 20 • Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 100 • Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 20 • Solves one-step take-apart word problems with result unknown, whole numbers within 100 • Solves one-step take-apart word problems with result unknown, whole numbers within 20 • Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 100 • Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 20 • Solves put-together word problems involving three addends, whole numbers within 20 | <ul style="list-style-type: none"> • Estimates solutions to multi-step word problems involving the four operations with whole numbers • Represents multi-step word problems with expressions or equations, whole numbers • Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 100 • Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 20 • Represents one-step equal-groups multiplication word problems as expressions or equations, whole numbers • Represents one-step multiplicative-comparison word problems as expressions or equations, whole numbers • Solves multi-step addition and subtraction word problems, whole numbers within 100 • Solves multi-step word problems involving the four operations with whole numbers • Solves one-step additive-comparison word problems, whole numbers within 100 • Solves one-step additive-comparison word problems, whole numbers within 20 • Solves one-step equal-groups division word problems, whole numbers within 100 • Solves one-step equal-groups multiplication word problems, whole numbers with products within 100 • Solves one-step multiplicative-comparison word problems, whole numbers products within 100 • Solves one-step put-together word problems with result unknown, whole numbers within 100 • Solves one-step put-together word problems with result unknown, whole numbers within 20 • Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 100 • Solves one-step put-together word problems with start, change, or part unknown, whole numbers within 20 • Solves one-step take-apart word problems with result, change, or part unknown, whole numbers within 100 • Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 20 • Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 100 • Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 20 • Solves put-together word problems involving three addends, whole numbers within 20 | <ul style="list-style-type: none"> • Estimates solutions to multi-step word problems involving the four operations with whole numbers • Represents multi-step word problems with expressions or equations, whole numbers • Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 100 • Represents one-step addition and subtraction word problems with expressions or equations, whole numbers within 20 • Represents one-step equal-groups division word problems as expressions or equations, whole numbers • Represents one-step equal-groups multiplication word problems as expressions or equations, whole numbers • Represents one-step multiplicative-comparison word problems as expressions or equations, whole numbers • Solves multi-step addition and subtraction word problems, whole numbers greater than 100 • Solves multi-step addition and subtraction word problems, whole numbers within 100 • Solves multi-step word problems involving the four operations with whole numbers • Solves one-step additive-comparison word problems, whole numbers within 100 • Solves one-step division word problems that require interpretation of remainders, whole numbers • Solves one-step equal-groups division word problems, whole numbers within 100 • Solves one-step multiplication word problems with multi-digit whole numbers • Solves one-step multiplicative-comparison word problems, whole numbers products within 100 • Solves one-step put-together word problems with result unknown, whole numbers within 20 • Solves one-step take-apart word problems with start, change, or part unknown, whole numbers within 100 |
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Sub-goal: Analyze Patterns and Relationships

181-190	191-200	201-210
Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Patterns/Sequences/Series		
	<ul style="list-style-type: none"> Creates or extends shape patterns when given a rule Recognizes skip-counting patterns in 100s charts 	<ul style="list-style-type: none"> Creates or extends number patterns when given a rule Recognizes skip-counting patterns in 100s charts
Whole Numbers: Concepts/Properties		
	<ul style="list-style-type: none"> Identifies factors of numbers less than 100 Identifies prime and composite numbers 	<ul style="list-style-type: none"> Identifies factors of numbers less than 100 Identifies multiples of single-digit numbers Identifies prime and composite numbers

*Goal: Number and Operations**Sub-goal: Understand Place Value, Counting, and Cardinality*

181-190	191-200	201-210
Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Decimals: Compare/Order		
		<ul style="list-style-type: none"> Compares decimals to the hundredths using terms
Decimals: Represent/Model		
		<ul style="list-style-type: none"> Represents decimals to the thousandths in word form
Money		
		<ul style="list-style-type: none"> Rounds dollars and cents
Number Sentences/Equations/Equivalence		
<ul style="list-style-type: none"> Composes or decomposes whole numbers to create equivalent expressions 	<ul style="list-style-type: none"> Composes or decomposes whole numbers to create equivalent expressions 	
Whole Numbers and Decimals: Rounding/Estimation		
<ul style="list-style-type: none"> Rounds whole numbers within 1,000 Rounds whole numbers within 100 	<ul style="list-style-type: none"> Rounds decimals to nearest whole number Rounds whole numbers within 1,000 Rounds whole numbers within 1,000,000 Rounds whole numbers within 100 	<ul style="list-style-type: none"> Rounds decimals to nearest whole number Rounds dollars and cents Rounds whole numbers greater than 1,000,000 Rounds whole numbers within 1,000 Rounds whole numbers within

		1,000,000 • Rounds whole numbers within 100
Whole Numbers: Compare/Order		
<ul style="list-style-type: none"> • Compares sets of objects within 10 using terms • Compares whole numbers within 1,000 using symbols • Compares whole numbers within 10,000 using symbols • Compares whole numbers within 100 using symbols 	<ul style="list-style-type: none"> • Compares sets of objects within 10 using terms • Compares whole numbers greater than 10,000 using symbols • Compares whole numbers within 1,000 using symbols • Compares whole numbers within 10,000 using symbols • Compares whole numbers within 10,000 using terms • Compares whole numbers within 100 using symbols 	<ul style="list-style-type: none"> • Compares whole numbers greater than 10,000 using symbols • Compares whole numbers greater than 10,000 using terms • Compares whole numbers within 10,000 using symbols • Compares whole numbers within 10,000 using terms
Whole Numbers: Counting and Cardinality		
<ul style="list-style-type: none"> • Counts backward by 100s within 1,000 • Counts by 100s within 1,000 • Counts by 5s within 100 	<ul style="list-style-type: none"> • Counts backward by 100s within 1,000 	
Whole Numbers: Place Value		
<ul style="list-style-type: none"> • Identifies the number of tens and ones in a model • Reads and writes whole numbers within 1,000 as hundreds, tens, and ones • Reads and writes whole numbers within 1,000 in expanded form • Reads and writes whole numbers within 1,000 in word form • Reads and writes whole numbers within 1,000,000 in word form • Reads and writes whole numbers within 10,000 in expanded form • Reads and writes whole numbers within 100 as tens and ones • Reads and writes whole numbers within 100,000 in word form • Represents whole numbers within 1,000 with models • Understands the value of a digit in whole numbers greater than 1,000,000 • Understands the value of a digit in whole numbers within 1,000 • Understands the value of a digit in whole numbers within 1,000,000 	<ul style="list-style-type: none"> • Identifies the number of tens and ones in a model • Reads and writes whole numbers greater than 1,000,000 in word form • Reads and writes whole numbers within 1,000 as hundreds, tens, and ones • Reads and writes whole numbers within 1,000 in expanded form • Reads and writes whole numbers within 1,000,000 in word form • Reads and writes whole numbers within 10,000 in expanded form • Reads and writes whole numbers within 100 as tens and ones • Reads and writes whole numbers within 100,000 in expanded form • Reads and writes whole numbers within 100,000 in word form • Represents whole numbers greater than 1,000 with models • Represents whole numbers within 1,000 with models • Understands the value of a digit in whole numbers greater than 1,000,000 • Understands the value of a digit in whole numbers within 1,000 • Understands the value of a digit in whole numbers within 1,000,000 	<ul style="list-style-type: none"> • Decomposes whole numbers within 100 into tens and ones in multiple ways • Reads and writes whole numbers greater than 1,000,000 in word form • Reads and writes whole numbers within 1,000 as hundreds, tens, and ones • Reads and writes whole numbers within 1,000,000 in expanded form • Reads and writes whole numbers within 1,000,000 in word form • Reads and writes whole numbers within 10,000 as thousands, hundreds, tens, and ones • Reads and writes whole numbers within 100,000 in expanded form • Reads and writes whole numbers within 100,000 in word form • Represents whole numbers greater than 1,000 with models • Understands patterns of zeros when multiplying by 10, 100, 1,000, etc. • Understands that the same digit, moved one place to the left, now represents 10 times the value • Understands the value of a digit in whole numbers greater than 1,000,000 • Understands the value of a digit in whole numbers within 1,000 • Understands the value of a digit in whole numbers within 1,000,000

Sub-goal: Number and Operations in Base Ten

181-190

Reinforce

191-200

Develop

201-210

Introduce

these skills & concepts	these skills & concepts	these skills & concepts
Decimals: Addition/Subtraction		
<ul style="list-style-type: none"> Adds and subtracts decimals with the same number of digits after the decimal point 	<ul style="list-style-type: none"> Adds and subtracts decimals with different numbers of digits after the decimal point Adds and subtracts decimals with the same number of digits after the decimal point 	<ul style="list-style-type: none"> Adds and subtracts decimals with different numbers of digits after the decimal point Adds and subtracts decimals with the same number of digits after the decimal point
Decimals: Multiplication/Division		
	<ul style="list-style-type: none"> Multiplies decimals by whole numbers 	<ul style="list-style-type: none"> Multiplies decimals by whole numbers
Decimals: Represent and Solve Word Problems		
<ul style="list-style-type: none"> Solves one-step word problems involving addition and subtraction of decimals with the same number of digits after the decimal point, including contexts involving money Solves one-step word problems involving multiplication of whole numbers and decimals to the hundredths, including contexts involving money 	<ul style="list-style-type: none"> Solves multi-step word problems involving the four operations and decimals, including contexts involving money Solves one-step word problems involving addition and subtraction of decimals with the same number of digits after the decimal point, including contexts involving money Solves one-step word problems involving multiplication of whole numbers and decimals to the hundredths, including contexts involving money 	<ul style="list-style-type: none"> Solves multi-step word problems involving the four operations and decimals, including contexts involving money Solves one-step word problems involving addition and subtraction of decimals with a different number of digits after the decimal point Solves one-step word problems involving addition and subtraction of decimals with the same number of digits after the decimal point, including contexts involving money Solves one-step word problems involving multiplication of whole numbers and decimals to the hundredths, including contexts involving money
Money		
	<ul style="list-style-type: none"> Solves multi-step money word problems involving coins and decimals 	<ul style="list-style-type: none"> Determines the decimal value of a collection of coins and/or bills by computing with decimals Solves multi-step money word problems involving coins and decimals
Number Sentences/Equations/Equivalence		
<ul style="list-style-type: none"> Composes or decomposes whole numbers to create equivalent expressions 	<ul style="list-style-type: none"> Composes or decomposes whole numbers to create equivalent expressions 	
Problem Solving with Units		
	<ul style="list-style-type: none"> Solves multi-step money word problems involving coins and decimals 	<ul style="list-style-type: none"> Solves multi-step money word problems involving coins and decimals
Properties and Relationships of Operations		
<ul style="list-style-type: none"> Understands the inverse relationship between addition and subtraction 	<ul style="list-style-type: none"> Understands the inverse relationship between addition and subtraction 	<ul style="list-style-type: none"> Applies the commutative property of addition to whole numbers Applies the distributive property of multiplication to whole numbers Understands the inverse relationship

		<ul style="list-style-type: none"> Understands the inverse relationship between addition and subtraction
Whole Numbers: Addition/Subtraction		
<ul style="list-style-type: none"> Adds three or more whole numbers with sums greater than 100 Adds whole numbers with sums greater than 10,000 Adds whole numbers with sums within 1,000, with regrouping Adds whole numbers with sums within 100 using models Subtracts whole numbers greater than 1,000 Subtracts whole numbers within 1,000, no regrouping Subtracts whole numbers within 1,000, with regrouping Subtracts whole numbers within 100 using models Subtracts whole numbers within 100, no regrouping Subtracts whole numbers within 100, with regrouping 	<ul style="list-style-type: none"> Adds three or more whole numbers with sums greater than 100 Adds whole numbers with sums within 10,000 Adds whole numbers with sums within 100 using models Subtracts whole numbers greater than 1,000 Subtracts whole numbers within 1,000, with regrouping Subtracts whole numbers within 100, with regrouping 	<ul style="list-style-type: none"> Adds three or more whole numbers with sums greater than 100 Subtracts whole numbers greater than 1,000
Whole Numbers: Multiplication/Division		
<ul style="list-style-type: none"> Multiplies one-digit whole numbers by multiples of 10 Multiplies one-digit whole numbers by two-digit whole numbers Multiplies two-digit whole numbers by two-digit whole numbers 	<ul style="list-style-type: none"> Divides whole numbers up to four digits by one-digit divisors, with a remainder Divides whole numbers up to four digits by one-digit divisors, without a remainder Divides whole numbers up to four digits by two-digit divisors, with a remainder Multiplies multi-digit whole numbers Multiplies one-digit whole numbers by multiples of 10 Multiplies one-digit whole numbers by two-digit whole numbers Multiplies one-digit whole numbers by whole numbers with more than two digits Multiplies two-digit whole numbers by two-digit whole numbers 	<ul style="list-style-type: none"> Divides multi-digit whole numbers by one-digit divisors with no remainder using models Divides whole numbers up to four digits by one-digit divisors, with a remainder Divides whole numbers up to four digits by one-digit divisors, without a remainder Divides whole numbers up to four digits by two-digit divisors, with a remainder Divides whole numbers up to four digits by two-digit divisors, without a remainder Multiplies multi-digit whole numbers Multiplies one-digit whole numbers by two-digit whole numbers Multiplies one-digit whole numbers by whole numbers with more than two digits Multiplies three or more one-digit whole numbers Multiplies two-digit whole numbers by two-digit whole numbers

Sub-goal: Number and Operations - Fractions

181-190	191-200	201-210
Reinforce these skills & concepts	Develop these skills & concepts	Introduce these skills & concepts
Fractions: Addition/Subtraction		
<ul style="list-style-type: none"> Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, no regrouping 	<ul style="list-style-type: none"> Adds and subtracts fractions with like denominators Adds and subtracts fractions with like denominators using models other than number lines 	<ul style="list-style-type: none"> Adds and subtracts fractions with like denominators Adds and subtracts fractions with like denominators using models other than number lines

	<ul style="list-style-type: none"> Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, no regrouping 	<ul style="list-style-type: none"> Adds and subtracts fractions with unlike denominators Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, no regrouping
Fractions: Compare/Order		
<ul style="list-style-type: none"> Compares fraction models with like numerators or denominators using words Compares fraction models with unlike numerators and denominators using words 	<ul style="list-style-type: none"> Compares fraction models with unlike numerators and denominators using words Compares unit fractions using words 	<ul style="list-style-type: none"> Compares fraction models with like numerators or denominators using symbols Compares fraction models with unlike numerators and denominators using words Compares fractions with unlike numerators and denominators using words Compares unit fractions using words
Fractions: Equivalence		
<ul style="list-style-type: none"> Identifies equivalent fraction models Identifies fractions equivalent to whole numbers using area or set models 	<ul style="list-style-type: none"> Identifies equivalent fraction models Writes equivalent fractions Writes equivalent fractions for given area or set models 	<ul style="list-style-type: none"> Converts between fractions with denominators of 10 and 100 Identifies equivalent fraction models Identifies fractions equivalent to whole numbers Writes equivalent fractions Writes equivalent fractions for given area or set models Writes fractions in simplest form
Fractions: Multiplication/Division		
	<ul style="list-style-type: none"> Multiplies fractions by fractions, results not in simplest form Multiplies fractions by whole numbers, results in simplest form 	<ul style="list-style-type: none"> Multiplies fractions by fractions, results not in simplest form Multiplies fractions by whole numbers, results in simplest form Understands that finding fractions of whole numbers is the same as finding their product
Fractions: Represent and Solve Word Problems		
	<ul style="list-style-type: none"> Solves one-step word problems involving addition and subtraction of fractions with like denominators Solves one-step word problems involving addition and subtraction of fractions with like denominators using models Solves one-step word problems involving addition and subtraction of mixed numbers with like denominators Solves one-step word problems involving multiplication of whole numbers and unit fractions Solves word problems about finding equivalent fractions 	<ul style="list-style-type: none"> Solves multi-step word problems involving addition and subtraction of fractions with like denominators Solves one-step word problems involving addition and subtraction of fractions with like denominators Solves one-step word problems involving addition and subtraction of fractions with like denominators using models Solves one-step word problems involving addition and subtraction of mixed numbers with like denominators Solves one-step word problems involving multiplication of whole numbers and either fractions or mixed numbers Solves one-step word problems involving multiplication of whole numbers

		and unit fractions • Solves word problems about finding equivalent fractions
Fractions: Represent/Model		
<ul style="list-style-type: none"> • Models non-unit fractions using area models • Models unit fractions using area models 	<ul style="list-style-type: none"> • Locates unit fractions on a number line • Models non-unit fractions using area models • Models unit fractions using area models 	<ul style="list-style-type: none"> • Locates unit fractions on a number line • Models non-unit fractions using area models
Rates/Ratios/Proportions/Percents		
		• Calculates unit rates
Rational Numbers: Equivalence		
	<ul style="list-style-type: none"> • Converts between decimals and fractions with denominators of 10 or 100 • Converts between decimals and fractions with denominators of 2, 4, or 5 	<ul style="list-style-type: none"> • Converts between decimals and fractions with denominators of 10 or 100 • Converts between decimals and fractions with denominators of 2, 4, or 5

Goal: Measurement and Data

Sub-goal: Geometric Measurement and Problem Solving

181-190 Reinforce these skills & concepts	191-200 Develop these skills & concepts	201-210 Introduce these skills & concepts
Angle Measurement		
<ul style="list-style-type: none"> • Compares angle measures to benchmark angles • Measures angles using a protractor • Solves one-step word problems involving angles 	<ul style="list-style-type: none"> • Compares angle measures to benchmark angles • Identifies/estimates angle measures • Measures angles using a protractor 	<ul style="list-style-type: none"> • Compares angle measures to benchmark angles • Identifies/estimates angle measures • Measures angles using a protractor
Area		
<ul style="list-style-type: none"> • Determines areas of figures composed of whole unit squares 	<ul style="list-style-type: none"> • Determines areas of figures composed of whole unit squares • Determines areas of rectangles with whole number sides, given the formula • Estimates areas of figures using square units 	<ul style="list-style-type: none"> • Determines areas of figures composed of whole and partial unit squares • Determines areas of rectangles with whole number sides, given the formula • Determines areas of rectangles with whole-number sides • Estimates areas of figures using square units • Recognizes situations which describe area • Solves real-world and mathematical problems involving areas of rectangles
Capacity		
	<ul style="list-style-type: none"> • Completes simple conversions of customary units of capacity 	<ul style="list-style-type: none"> • Completes simple conversions of customary units of capacity • Knows relative sizes of metric units of capacity

Conversion of Units		
<ul style="list-style-type: none"> • Completes complex conversions of more than two units of time • Completes simple conversions of customary units of length • Completes simple conversions of units of time 	<ul style="list-style-type: none"> • Completes complex conversions of more than two units of time • Completes simple conversions of customary units of capacity • Completes simple conversions of customary units of length • Completes simple conversions of customary units of weight • Completes simple conversions of units of time 	<ul style="list-style-type: none"> • Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes complex conversions of more than two units of time • Completes simple conversions of customary units of capacity • Completes simple conversions of customary units of length • Completes simple conversions of customary units of weight • Completes simple conversions of units of time • Solves multi-step length word problems involving whole numbers and conversion of customary units • Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
Length		
<ul style="list-style-type: none"> • Completes simple conversions of customary units of length • Knows the appropriate customary unit or tool to measure length • Understands that the measurement of an object will change depending upon the units used to measure it 	<ul style="list-style-type: none"> • Completes simple conversions of customary units of length • Knows the appropriate customary unit or tool to measure length • Measures length, width, or height in nonstandard units 	<ul style="list-style-type: none"> • Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes simple conversions of customary units of length • Knows the appropriate metric unit or tool to measure length • Solves multi-step length word problems involving whole numbers and conversion of customary units • Understands measurement involving rulers
Money		
<ul style="list-style-type: none"> • Determines equivalent coin values • Determines the decimal value of a collection of coins and/or bills by counting on • Determines the whole number value of a collection of coins given as coin names • Determines the whole number value of a collection of coins given as pictures • Solves money word problems involving coins 	<ul style="list-style-type: none"> • Determines the decimal value of a collection of coins and/or bills by counting on • Determines the whole number value of a collection of coins given as coin names • Solves money word problems involving coins • Solves multi-step money word problems involving coins and decimals 	<ul style="list-style-type: none"> • Solves money word problems involving coins • Solves multi-step money word problems involving coins and decimals
Perimeter/Circumference		
<ul style="list-style-type: none"> • Determines perimeters of basic polygons with all sides labeled 	<ul style="list-style-type: none"> • Determines perimeters of basic polygons in which not all sides are labeled • Determines perimeters of basic polygons with all sides labeled • Solves real-world and mathematical problems involving perimeters of rectangles 	<ul style="list-style-type: none"> • Determines perimeters of basic polygons in which not all sides are labeled • Determines side lengths given the perimeter of rectangles • Solves real-world and mathematical problems involving perimeters of rectangles

Problem Solving with Units

- Solves elapsed-time word problems across either minutes or hours
- Solves money word problems involving coins
- Solves multi-step money word problems involving whole numbers
- Solves one-step capacity word problems involving whole number multiplication or division
- Solves one-step length word problems involving addition or subtraction
- Solves one-step money word problems involving whole number addition or subtraction
- Solves one-step money word problems involving whole number multiplication or division

- Solves elapsed-time word problems across both minutes and hours
- Solves elapsed-time word problems across either minutes or hours
- Solves money word problems involving coins
- Solves multi-step money word problems involving coins and decimals
- Solves multi-step money word problems involving whole numbers
- Solves one-step capacity word problems involving whole number multiplication or division
- Solves one-step length word problems involving addition or subtraction
- Solves one-step money word problems involving whole number addition or subtraction
- Solves one-step money word problems involving whole number multiplication or division
- Solves one-step weight/mass word problems involving whole number multiplication and division
- Solves real-world and mathematical problems involving perimeters of rectangles

- Solves elapsed-time word problems across both minutes and hours
- Solves elapsed-time word problems across either minutes or hours
- Solves money word problems involving coins
- Solves multi-step length word problems involving whole numbers and conversion of customary units
- Solves multi-step money word problems involving coins and decimals
- Solves multi-step money word problems involving whole numbers
- Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
- Solves one-step capacity word problems involving whole number multiplication or division
- Solves one-step money word problems involving whole number addition or subtraction
- Solves one-step time word problems involving addition or subtraction
- Solves one-step time word problems involving multiplication or division
- Solves one-step weight/mass word problems involving whole number addition and subtraction
- Solves problems involving rectangular prisms composed of unit cubes
- Solves real-world and mathematical problems involving areas of rectangles
- Solves real-world and mathematical problems involving perimeters of rectangles

Time

- Completes complex conversions of more than two units of time
- Completes simple conversions of units of time
- Determines elapsed time across either minutes or hours using clocks
- Reads analog clocks to the nearest five minutes
- Reads analog clocks to the nearest half hour
- Reads analog clocks to the nearest minute
- Solves elapsed-time word problems across either minutes or hours
- Understands A.M. and P.M.
- Understands time interval concepts: quarter to, half past, etc.

- Completes complex conversions of more than two units of time
- Completes simple conversions of units of time
- Determines elapsed time across both minutes and hours using clocks
- Determines elapsed time across either minutes or hours using clocks
- Reads analog clocks to the nearest five minutes
- Reads analog clocks to the nearest minute
- Solves elapsed-time word problems across both minutes and hours
- Solves elapsed-time word problems across either minutes or hours
- Understands time interval concepts: quarter to, half past, etc.

- Completes complex conversions of more than two units of time
- Completes simple conversions of units of time
- Determines elapsed time across both minutes and hours using clocks
- Determines elapsed time across either minutes or hours using clocks
- Reads analog clocks to the nearest five minutes
- Reads analog clocks to the nearest minute
- Solves elapsed-time word problems across both minutes and hours
- Solves elapsed-time word problems across either minutes or hours
- Solves multi-step time word problems involving conversion across seconds, minutes, hours, etc.
- Understands time interval concepts: quarter to, half past, etc.

Volume		
		<ul style="list-style-type: none"> • Determines volumes of figures by counting unit cubes • Solves problems involving rectangular prisms composed of unit cubes
Weight/Mass		
	<ul style="list-style-type: none"> • Completes simple conversions of customary units of weight 	<ul style="list-style-type: none"> • Completes simple conversions of customary units of weight • Estimates the mass of objects in metric units
<i>Sub-goal: Represent and Interpret Data</i>		
181-190 Reinforce these skills & concepts	191-200 Develop these skills & concepts	201-210 Introduce these skills & concepts
Data Analysis		
<ul style="list-style-type: none"> • Adds and subtracts to answer questions about bar graphs with multi-unit scales • Adds and subtracts to answer questions about bar graphs with single-unit scales • Adds and subtracts to answer questions about pictographs with single-unit scales • Compares categories in bar graphs with multi-unit scales • Compares categories in bar graphs with single-unit scales • Compares categories in pictographs with single-unit scales • Counts sets of objects by category • Reads bar graphs with multi-unit scales to determine how many in a category • Reads bar graphs with single-unit scales to determine how many in a category • Reads data in tables or charts • Reads pictographs with multi-unit scales to determine how many in a category 	<ul style="list-style-type: none"> • Adds and subtracts to answer questions about bar graphs with multi-unit scales • Adds and subtracts to answer questions about bar graphs with single-unit scales • Adds and subtracts to answer questions about pictographs with multi-unit scales • Adds and subtracts to answer questions about pictographs with single-unit scales • Answers multi-step questions about bar graphs with single-unit scales • Compares categories in bar graphs with multi-unit scales • Compares categories in bar graphs with single-unit scales • Compares categories in pictographs with single-unit scales • Reads bar graphs with multi-unit scales to determine how many in a category • Reads pictographs with multi-unit scales to determine how many in a category 	<ul style="list-style-type: none"> • Adds and subtracts to answer questions about bar graphs with multi-unit scales • Adds and subtracts to answer questions about bar graphs with single-unit scales • Adds and subtracts to answer questions about pictographs with multi-unit scales • Answers multi-step questions about bar graphs with single-unit scales • Reads pictographs with multi-unit scales to determine how many in a category
Data Representation		
<ul style="list-style-type: none"> • Represents data in bar graphs with multi-unit scales • Represents data in bar graphs with single-unit scales • Represents data in pictographs with single-unit scales • Represents data in picture graphs with single-unit scales • Represents data in tables or charts 	<ul style="list-style-type: none"> • Represents data in bar graphs with multi-unit scales • Represents data in bar graphs with single-unit scales • Represents data in line or dot plots with whole number scales • Represents data in pictographs with multi-unit scales • Represents data in pictographs with single-unit scales • Represents data in picture graphs with multi-unit scales • Represents data in tables or charts 	<ul style="list-style-type: none"> • Represents data in bar graphs with multi-unit scales • Represents data in bar graphs with single-unit scales • Represents data in line or dot plots with whole number scales • Represents data in pictographs with multi-unit scales • Represents data in picture graphs with multi-unit scales

Goal: **Geometry**

Sub-goal: Reason with Shapes, Attributes, & Coordinate Plane

181-190 Reinforce these skills & concepts	191-200 Develop these skills & concepts	201-210 Introduce these skills & concepts
Angle Measurement		
<ul style="list-style-type: none"> Compares angle measures to benchmark angles 	<ul style="list-style-type: none"> Compares angle measures to benchmark angles 	<ul style="list-style-type: none"> Compares angle measures to benchmark angles
Coordinate Geometry		
<ul style="list-style-type: none"> Interprets points with whole number coordinates in the first quadrant within the given context Plots the coordinates of points in the first quadrant of a coordinate plane 	<ul style="list-style-type: none"> Determines the coordinates of points in the first quadrant of a coordinate plane Interprets points with whole number coordinates in the first quadrant within the given context Plots the coordinates of points in the first quadrant of a coordinate plane 	<ul style="list-style-type: none"> Determines the coordinates of missing vertices of geometric figures in the first quadrant given the other vertices plotted on the coordinate plane Determines the coordinates of points in the first quadrant of a coordinate plane Determines the distance between two points with the same first or second coordinate Interprets points with whole number coordinates in the first quadrant within the given context Plots the coordinates of points in the first quadrant of a coordinate plane
Fractions: Represent/Model		
<ul style="list-style-type: none"> Identifies shapes that are divided into equal parts Identifies shapes that are divided into fourths 	<ul style="list-style-type: none"> Identifies shapes that are divided into fourths Identifies shapes that are divided into quarters 	<ul style="list-style-type: none"> Identifies shapes that are divided into quarters
Identification and Classification of 2-D Shapes		
<ul style="list-style-type: none"> Classifies 2-D shapes by properties Classifies shapes as flat/2-D Composes or decomposes 2-D shapes to form new shapes Identifies and names nonbasic shapes, such as trapezoids, hexagons, etc. Identifies the number of sides or corners of 2-D shapes Knows definitions of a triangle, a square, a rectangle, and a circle 	<ul style="list-style-type: none"> Classifies 2-D shapes by properties Composes or decomposes 2-D shapes to form new shapes Identifies and names nonbasic shapes, such as trapezoids, hexagons, etc. 	<ul style="list-style-type: none"> Classifies 2-D shapes by properties Composes or decomposes 2-D shapes to form new shapes Identifies and names nonbasic shapes, such as trapezoids, hexagons, etc. Identifies properties of a 2-D shape, such as right angles, parallel sides, etc. Knows definitions of non-basic shapes, such as trapezoids, hexagons, etc. Knows definitions of special triangles, such as acute, right, scalene, etc. Understands the relationships among categories of shapes
Identification and Classification of 3-D Shapes		
<ul style="list-style-type: none"> Identifies and names cubes, cones, cylinders, and spheres Identifies and names the 3-D shape of real-world objects Identifies the number of faces, edges, or vertices for a 3-D object 	<ul style="list-style-type: none"> Identifies and names cubes, cones, cylinders, and spheres Identifies and names the 3-D shape of real-world objects Identifies the number of faces, edges, or vertices for a 3-D object 	<ul style="list-style-type: none"> Composes or decomposes 3-D shapes to form new shapes Knows properties of 3-D shapes

Points, Lines, Segments, Rays, and Angles		
<ul style="list-style-type: none"> • Identifies acute, obtuse, or right angles • Identifies parallel lines involving real-world objects 	<ul style="list-style-type: none"> • Identifies acute, obtuse, or right angles • Identifies parallel lines • Identifies parallel lines involving real-world objects • Identifies points, lines, rays, line segments, and angles 	<ul style="list-style-type: none"> • Identifies acute, obtuse, or right angles • Identifies parallel lines • Identifies parallel lines involving real-world objects • Identifies points, lines, rays, line segments, and angles
Spatial Concepts and Symmetry		
<ul style="list-style-type: none"> • Composes or decomposes 2-D shapes to form new shapes • Determines the number of lines of symmetry in 2-D figures • Identifies 2-D figures which have line symmetry • Recognizes lines of symmetry in 2-D figures 	<ul style="list-style-type: none"> • Composes or decomposes 2-D shapes to form new shapes • Determines the number of lines of symmetry in 2-D figures • Identifies 2-D figures which have line symmetry • Recognizes lines of symmetry in 2-D figures 	<ul style="list-style-type: none"> • Composes or decomposes 2-D shapes to form new shapes • Composes or decomposes 3-D shapes to form new shapes • Determines the number of lines of symmetry in 2-D figures • Identifies 2-D figures which have line symmetry

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