Learning Continuum - Test View

MAP: Math 2-5 Common Core 2010 V2   Print

Goal: **Operations and Algebraic Thinking**

Sub-goal: Represent and Solve Problems

211-220	221-230	231-240
Reinforce these skills & concepts	**Develop** these skills & concepts	**Introduce** these skills & concepts
Number Sentences/Equations/Equivalence		
• Determines unknown factors in multiplication equations with whole numbers and products greater than 100		
Numerical Expressions		
• Evaluates numerical expressions involving multiple operations with whole numbers and parentheses • Represents descriptions of calculations with numerical expressions that include parentheses	• Evaluates numerical expressions involving multiple operations with whole numbers and parentheses • Represents descriptions of calculations with numerical expressions that include parentheses	• Evaluates numerical expressions involving multiple operations with whole numbers and parentheses
Properties and Relationships of Operations		
• Applies the distributive property of multiplication to whole numbers • Understands division as equal sharing • Understands multiplication as a comparison of sizes • Understands multiplication as many	• Applies the distributive property of multiplication to whole numbers • Understands division as equal sharing • Understands the inverse relationship between addition and subtraction	

groups of equal size
• Understands the inverse relationship between addition and subtraction

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Whole Numbers and Decimals: Rounding/Estimation

• 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	• Estimates solutions to multi-step word problems involving the four operations with whole numbers

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Whole Numbers: Represent and Solve Word Problems

• 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 equal-groups multiplication word problems as expressions or equations, whole numbers • Solves multi-step addition and subtraction word problems, whole numbers greater than 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 multiplicative-comparison word problems, whole numbers products within 100	• 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 • Solves multi-step addition and subtraction word problems, whole numbers greater than 100 • Solves multi-step word problems involving the four operations with whole numbers • Solves one-step division word problems that require interpretation of remainders, whole numbers	• Represents multi-step word problems with expressions or equations, whole numbers • Solves multi-step word problems involving the four operations with whole numbers

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Sub-goal: Analyze Patterns and Relationships

211-220	221-230	231-240
Reinforce these skills & concepts	**Develop** these skills & concepts	**Introduce** these skills & concepts

Patterns/Sequences/Series

• Creates or extends number patterns when given a rule • Recognizes skip-counting patterns in 100s charts	• Creates or extends number patterns when given a rule	

Whole Numbers: Concepts/Properties

• Identifies factors of numbers less than	• Identifies factors of numbers less than	• Identifies prime and composite numbers

100	100	
• Identifies prime and composite numbers	• Identifies prime and composite numbers	

Goal: **Number and Operations**

Sub-goal: Understand Place Value, Counting, and Cardinality

211-220	221-230	231-240
Reinforce these skills & concepts	**Develop** these skills & concepts	**Introduce** these skills & concepts
Decimals: Compare/Order		
• Compares decimals to the hundredths using terms • Compares decimals to the thousandths using symbols	• Compares decimals to the hundredths using symbols • Compares decimals to the hundredths using terms • Compares decimals to the thousandths using terms • Orders decimals to the hundredths	
Decimals: Represent/Model		
• Represents decimals to the thousandths in word form	• Represents decimals to the thousandths in expanded form • Represents decimals to the thousandths in word form • Represents decimals to the thousandths with models	
Exponents		
• Multiplies whole numbers by powers of 10 shown with exponents • Represents powers of 10 using exponents	• Represents the value of digits in whole numbers using powers of 10 in exponential form	• Represents the value of digits in whole numbers using powers of 10 in exponential form
Money		
• Rounds dollars and cents	• Rounds dollars and cents	
Whole Numbers and Decimals: Rounding/Estimation		
• Rounds decimals to nearest tenth • Rounds decimals to nearest whole number • Rounds dollars and cents • Rounds whole numbers greater than 1,000,000 • Rounds whole numbers within 1,000,000	• Rounds decimals to nearest hundredth or thousandth • Rounds decimals to nearest tenth • Rounds dollars and cents • Rounds whole numbers greater than 1,000,000 • Rounds whole numbers within 1,000,000	• Rounds decimals to nearest hundredth or thousandth
Whole Numbers: Compare/Order		
• Compares whole numbers greater than 10,000 using symbols	• Compares whole numbers greater than 10,000 using symbols	• Compares whole numbers greater than 10,000 using symbols
Whole Numbers: Place Value		

• 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 1,000,000 in word form • Reads and writes whole numbers within 100,000 in expanded form • Reads and writes whole numbers within 100,000 in word form • 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 1,000,000	• Represents the value of digits in whole numbers using powers of 10 in exponential form • 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 that the same digit, moved one place to the right, now represents 1/10 the value	• Represents the value of digits in whole numbers using powers of 10 in exponential form • Understands that the same digit, moved one place to the left, now represents 10 times the value • Understands that the same digit, moved one place to the right, now represents 1/10 the value

Sub-goal: Number and Operations in Base Ten

211-220	221-230	231-240
Reinforce these skills & concepts	**Develop** these skills & concepts	**Introduce** these skills & concepts
Decimals: Addition/Subtraction		
• 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 • Subtracts decimals from whole numbers	• 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 • Subtracts decimals from whole numbers	
Decimals: Multiplication/Division		
• Divides decimals by whole numbers • Multiplies decimals by decimals • Multiplies decimals by whole numbers • Multiplies or divides decimals by 10, 100, or 1,000	• Divides decimals by decimals • Divides decimals by whole numbers • Multiplies decimals by decimals • Multiplies decimals by whole numbers • Multiplies or divides decimals by 10, 100, or 1,000	• Divides decimals by decimals • Divides whole numbers by decimals • Multiplies decimals by decimals • Multiplies decimals by whole numbers • Multiplies or divides decimals by 10, 100, or 1,000
Decimals: Represent and Solve Word Problems		
• 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	• 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 multiplication of decimals by decimals to the hundredths, including contexts involving money • Solves one-step word problems involving multiplication of whole numbers and decimals to the hundredths, including	• 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 multiplication of whole numbers and decimals to the hundredths, including contexts involving money

involving division of decimals to the hundredths by whole numbers, including contexts involving money • Solves one-step word problems involving multiplication of whole numbers and decimals to the hundredths, including contexts involving money	contexts involving money

Money	
• 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	• 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

Problem Solving with Units	
• Solves multi-step money word problems involving coins and decimals	• Solves multi-step money word problems involving coins and decimals

Properties and Relationships of Operations	
• Applies the distributive property of multiplication to whole numbers • Understands the inverse relationship between addition and subtraction	• Applies the distributive property of multiplication to whole numbers • Understands the inverse relationship between addition and subtraction

Whole Numbers and Decimals: Rounding/Estimation	
• Estimates solutions to one-step word problems involving the four operations with decimals, including contexts involving money	

Whole Numbers: Addition/Subtraction	
• Adds three or more whole numbers with sums greater than 100 • Adds whole numbers with sums within 1,000 using models	

Whole Numbers: Multiplication/Division	
• 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, 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 whole numbers with more than two digits • Multiplies two-digit whole numbers by two-digit whole numbers	• Divides whole numbers up to four digits by two-digit divisors, with a remainder • Multiplies multi-digit whole numbers

Whole Numbers: Represent and Solve Word Problems

• Solves one-step division word problems
with multi-digit whole numbers

Sub-goal: Number and Operations - Fractions

211-220	221-230	231-240
Reinforce these skills & concepts	**Develop** these skills & concepts	**Introduce** these skills & concepts

Area

		• Determines areas of rectangles with fractional sides

Fractions: Addition/Subtraction

211-220	221-230	231-240
• Adds and subtracts fractions with like denominators • Adds and subtracts fractions with like denominators using models other than number lines • Adds and subtracts fractions with unlike denominators • Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, no regrouping	• Adds and subtracts fractions with denominators of 10 or 100 • Adds and subtracts fractions with like denominators • Adds and subtracts fractions with unlike denominators • Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, no regrouping • Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, with regrouping • Adds and subtracts whole numbers, fractions, and/or mixed numbers with unlike denominators, no regrouping • Adds and subtracts whole numbers, fractions, and/or mixed numbers with unlike denominators, with regrouping	• Adds and subtracts fractions with denominators of 10 or 100 • Adds and subtracts fractions with like denominators using a number line • Adds and subtracts fractions with unlike denominators • Adds and subtracts whole numbers, fractions, and/or mixed numbers with like denominators, with regrouping • Adds and subtracts whole numbers, fractions, and/or mixed numbers with unlike denominators, no regrouping • Adds and subtracts whole numbers, fractions, and/or mixed numbers with unlike denominators, with regrouping

Fractions: Compare/Order

211-220	221-230	231-240
• Compares fraction models with like numerators or denominators using symbols • Compares fraction models with unlike numerators and denominators using symbols • Compares fraction models with unlike numerators and denominators using words • Compares fractions with like numerators or denominators using symbols • Compares fractions with like numerators or denominators using words • Compares fractions with unlike numerators and denominators using symbols • Compares fractions with unlike numerators and denominators using words	• Compares fraction models with unlike numerators and denominators using symbols • Compares fractions with like numerators or denominators using symbols • Compares fractions with like numerators or denominators using words • Compares fractions with unlike numerators and denominators using symbols • Compares fractions with unlike numerators and denominators using words • Orders fractions with unlike numerators and/or denominators	• Compares fractions with like numerators or denominators using symbols • Compares fractions with unlike numerators and denominators using words • Orders fractions with unlike numerators and/or denominators

Fractions: Equivalence

• Converts between fractions with denominators of 10 and 100 • Converts between mixed numbers and improper fractions • 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	• Identifies fractions equivalent to whole numbers • Writes equivalent fractions • Writes equivalent fractions for given area or set models • Writes fractions in simplest form	• Writes equivalent fractions • Writes equivalent fractions for given points on a number line • Writes fractions in simplest form

Fractions: Multiplication/Division

• Multiplies fractions by fractions, results 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	• Divides fractions by fractions, results in simplest form • Divides fractions by whole numbers, results in simplest form • Divides two whole numbers with a quotient in the form of a fraction or a mixed number • Multiplies fractions by fractions, results in simplest form • Multiplies fractions by whole numbers, results in simplest form • Multiplies fractions by whole numbers, results not in simplest form • Multiplies mixed numbers by fractions, results in simplest form • Understands that finding fractions of fractions is the same as finding their product	• Divides fractions by whole numbers, results in simplest form • Divides mixed numbers by fractions, results in simplest form • Divides whole numbers by fractions using models • Divides whole numbers by fractions, results in simplest form • Multiplies fractions by fractions, results in simplest form • Multiplies mixed numbers by fractions, results in simplest form • Multiplies mixed numbers by mixed numbers, results in simplest form • Multiplies mixed numbers by whole numbers, results in simplest form • Understands that finding fractions of fractions is the same as finding their product • Understands the effect of multiplying whole numbers by fractions less than 1

Fractions: Represent and Solve Word Problems

• Solves multi-step word problems involving addition and subtraction of fractions with like denominators • Solves multi-step word problems involving whole numbers, fractions and/or mixed numbers • 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 addition and subtraction of mixed numbers with unlike denominators • Solves one-step word problems involving division of whole numbers by unit fractions • Solves one-step word problems involving multiplication of whole numbers	• Represents and solves word problems involving division of whole numbers where the quotient is a fraction • Solves multi-step word problems involving addition and subtraction of fractions with like denominators • Solves multi-step word problems involving whole numbers, fractions and/or mixed numbers • 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 unlike denominators • Solves one-step word problems involving addition and subtraction of mixed numbers with like denominators • Solves one-step word problems involving addition and subtraction of mixed numbers with unlike denominators • Solves one-step word problems involving division of unit fractions by whole numbers • Solves one-step word problems involving	• Represents and solves word problems involving division of whole numbers where the quotient is a fraction • 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 unlike denominators • Solves one-step word problems involving addition and subtraction of mixed numbers with unlike denominators • Solves one-step word problems involving division of unit fractions by whole numbers • Solves one-step word problems involving division of whole numbers by unit fractions • Solves one-step word problems involving multiplication of fractions or mixed numbers • Solves one-step word problems involving multiplication of whole numbers and either fractions or mixed 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	division of whole numbers by unit fractions • Solves one-step word problems involving multiplication of whole numbers and either fractions or mixed numbers	

Fractions: Represent/Model

• Locates non-unit proper fractions on a number line • Locates unit fractions on a number line	• Locates non-unit proper fractions on a number line • Understands non-unit fractions as products of whole numbers and unit fractions	• Locates improper fractions on a number line • Locates non-unit proper fractions on a number line • Understands fractions as the division of the numerator by the denominator

Number Sentences/Equations/Equivalence

		• Solves one-step linear equations with positive rational numbers

Properties and Relationships of Operations

		• Understands the effect of multiplying whole numbers by fractions less than 1

Rates/Ratios/Proportions/Percents

• Calculates unit rates	• Calculates unit rates	• Calculates unit rates

Rational Numbers: Computation

		• Adds and subtracts rational numbers, including combinations of positive or negative fractions, decimals, and integers

Rational Numbers: Equivalence

• Converts between decimals and fractions with denominators of 10 or 100 • Converts between decimals and fractions with denominators of 2, 4, or 5	• Converts between decimals and fractions with denominators of 10 or 100 • Converts between decimals and fractions with denominators of 2, 4, or 5	• Converts between decimals and fractions with denominators of 2, 4, or 5

Goal: **Measurement and Data**

Sub-goal: Geometric Measurement and Problem Solving

211-220	221-230	231-240
Reinforce these skills & concepts	**Develop** these skills & concepts	**Introduce** these skills & concepts

Angle Measurement

• Compares angle measures to benchmark angles • Identifies/estimates angle measures • Measures angles using a protractor	• Knows the definition of an angle • Measures angles using a protractor	

Area

• 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 • Recognizes situations which describe area • Solves real-world and mathematical problems involving areas of rectangles	• Determines areas of rectangles with whole-number sides • Determines side lengths given the area of rectangles • Solves real-world and mathematical problems involving areas of figures composed of polygons • Solves real-world and mathematical problems involving areas of rectangles • Solves real-world and mathematical problems involving both area and perimeter of rectangles	• Determines areas of figures composed of polygons • Determines areas of rectangles given the perimeters • Determines areas of rectangles with whole-number sides • Determines perimeters of rectangles given the areas • Solves real-world and mathematical problems involving areas of figures composed of polygons • Solves real-world and mathematical problems involving areas of rectangles

Capacity

• Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units • Completes simple conversions of customary units of capacity • Estimates the capacity of objects in metric units • Measures the capacity of objects in metric units • Solves multi-step capacity word problems involving whole numbers and conversion of customary units	• Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units • Completes conversions of metric units of capacity • Completes simple conversions of customary units of capacity	• Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units • Completes conversions of metric units of capacity • Solves multi-step capacity word problems involving decimals or fractions and conversion of metric units

Conversion of Units

• Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units • 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 conversions of metric units of mass • 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 capacity word problems involving whole numbers and conversion of customary units • Solves multi-step length word problems involving decimals or fractions and conversion of customary units • 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.	• Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units • Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes complex conversions of customary units of weight involving fractions, decimals, or more than two units • Completes complex conversions of more than two units of time • Completes conversions of metric units of capacity • Completes conversions of metric units of length • Completes conversions of metric units of mass • Completes simple conversions of customary units of capacity • Completes simple conversions of customary units of length • Completes simple conversions of customary units of weight • Solves multi-step length word problems involving decimals or fractions and conversion of customary units • Solves multi-step length word problems involving whole numbers and conversion of customary units • Solves multi-step time word problems	• Completes complex conversions of customary units of capacity involving fractions, decimals, or more than two units • Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes complex conversions of customary units of weight involving fractions, decimals, or more than two units • Completes complex conversions of more than two units of time • Completes conversions of metric units of capacity • Completes conversions of metric units of length • Completes conversions of metric units of mass • Completes simple conversions of customary units of length • Solves multi-step capacity word problems involving decimals or fractions and conversion of metric units • Solves multi-step length word problems involving decimals or fractions and conversion of customary units • Solves multi-step length word problems involving whole numbers and conversion of customary units • Solves multi-step weight word problems involving whole numbers and conversion

	involving conversion across seconds, minutes, hours, etc.	of customary units

Length

• Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes simple conversions of customary units of length • Solves multi-step length word problems involving decimals or fractions and conversion of customary units • Solves multi-step length word problems involving whole numbers and conversion of customary units	• Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes conversions of metric units of length • Completes simple conversions of customary units of length • Solves multi-step length word problems involving decimals or fractions and conversion of customary units • Solves multi-step length word problems involving whole numbers and conversion of customary units	• Completes complex conversions of customary units of length involving fractions, decimals, or more than two units • Completes conversions of metric units of length • Completes simple conversions of customary units of length • Solves multi-step length word problems involving decimals or fractions and conversion of customary units • Solves multi-step length word problems involving whole numbers and conversion of customary units

Money

• Solves multi-step money word problems involving coins and decimals	• Compares whole number money amounts given coin and bill names • Solves multi-step money word problems involving coins and decimals	

Perimeter/Circumference

• Counts to find perimeters of complex figures • Describes the effect on perimeter when dimensions of a polygon are changed • 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	• Determines perimeters of basic polygons in which not all sides are labeled • Determines perimeters of complex figures in which not all sides are labeled • Determines side lengths given the perimeter of rectangles • Solves real-world and mathematical problems involving both area and perimeter of rectangles • Solves real-world and mathematical problems involving perimeters of rectangles	• Determines perimeters of complex figures in which not all sides are labeled • Determines perimeters of rectangles given the areas • Solves real-world and mathematical problems involving perimeters of rectangles

Problem Solving with Units

• Solves elapsed-time word problems across both minutes and hours • Solves elapsed-time word problems across either minutes or hours • Solves multi-step capacity word problems involving whole numbers and conversion of customary units • Solves multi-step length word problems involving decimals or fractions and conversion of customary units • Solves multi-step length word problems involving whole numbers • 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 elapsed-time word problems across both minutes and hours • Solves elapsed-time word problems across either minutes or hours • Solves multi-step length word problems involving decimals or fractions and conversion of customary units • 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 real-world and mathematical problems involving areas of figures	• Solves elapsed-time word problems across both minutes and hours • Solves multi-step capacity word problems involving decimals or fractions and conversion of metric units • Solves multi-step length word problems involving decimals or fractions and conversion of customary units • Solves multi-step length word problems involving whole numbers and conversion of customary units • Solves multi-step money word problems involving whole numbers • Solves multi-step weight word problems involving whole numbers and conversion of customary units • Solves real-world and mathematical problems involving areas of figures composed of polygons

• Solves multi-step temperature 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 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	composed of polygons • Solves real-world and mathematical problems involving areas of rectangles • Solves real-world and mathematical problems involving both area and perimeter of rectangles • Solves real-world and mathematical problems involving perimeters of rectangles • Solves real-world and mathematical problems involving volumes of rectangular prisms	• Solves real-world and mathematical problems involving areas of rectangles • Solves real-world and mathematical problems involving perimeters of rectangles • Solves real-world and mathematical problems involving volumes of rectangular prisms

Time

• 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 • 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.	• Completes complex conversions of more than two units of time • 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.	• Completes complex conversions of more than two units of time • Solves elapsed-time word problems across both minutes and hours

Volume

• Determines volumes of figures by counting unit cubes • Determines volumes of rectangular prisms • Solves problems involving rectangular prisms composed of unit cubes	• Determines the length, width, or height given the volume of a rectangular prism and two of the dimensions • Determines volumes of figures by counting unit cubes • Determines volumes of rectangular prisms • Solves real-world and mathematical problems involving volumes of rectangular prisms	• Determines the length, width, or height given the volume of a rectangular prism and two of the dimensions • Determines volumes of figures by counting unit cubes • Determines volumes of figures composed of rectangular prisms • Determines volumes of rectangular prisms • Solves real-world and mathematical problems involving volumes of rectangular prisms

Weight/Mass

• Completes conversions of metric units of mass • Completes simple conversions of customary units of weight	• Completes complex conversions of customary units of weight involving fractions, decimals, or more than two units • Completes conversions of metric units of mass • Completes simple conversions of customary units of weight	• Completes complex conversions of customary units of weight involving fractions, decimals, or more than two units • Completes conversions of metric units of mass • Solves multi-step weight word problems involving whole numbers and conversion of customary units

Sub-goal: Represent and Interpret Data

211-220	221-230	231-240

Reinforce these skills & concepts	**Develop** these skills & concepts	**Introduce** these skills & concepts
Data Analysis		
• Adds and subtracts to answer questions about bar graphs with multi-unit scales • Adds and subtracts to answer questions about pictographs with multi-unit scales	• Solves multi-step word problems involving data from a line plot or dot plot with a fractional scale	• Solves multi-step word problems involving data from a line plot or dot plot with a fractional scale
Data Representation		
• Represents data in line or dot plots with fractional scales • Represents data in line or dot plots with whole number scales		
Fractions: Represent and Solve Word Problems		
	• Solves multi-step word problems involving data from a line plot or dot plot with a fractional scale	• Solves multi-step word problems involving data from a line plot or dot plot with a fractional scale

Goal: **Geometry**

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

211-220	221-230	231-240
Reinforce these skills & concepts	**Develop** these skills & concepts	**Introduce** these skills & concepts
Angle Measurement		
• Compares angle measures to benchmark angles		
Coordinate Geometry		
• 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 • 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	• 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 • Interprets points with whole number coordinates in the first quadrant within the given context	
Identification and Classification of 2-D Shapes		
• Classifies 2-D shapes by properties • 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,	• 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 special triangles, such as acute, right, scalene, etc. • Understands the relationships among categories of shapes	• Identifies and names nonbasic shapes, such as trapezoids, hexagons, etc. • Knows definitions of special triangles, such as acute, right, scalene, etc. • Understands the relationships among categories of shapes

such as acute, right, scalene, etc.
• Understands the relationships among categories of shapes

Identification and Classification of 3-D Shapes

• Knows properties of 3-D shapes

Points, Lines, Segments, Rays, and Angles

• Identifies acute, obtuse, or right angles • Identifies parallel lines • Identifies perpendicular lines involving real-world objects • Identifies points, lines, rays, line segments, and angles	• Identifies acute, obtuse, or right angles • Identifies parallel lines • Identifies perpendicular lines involving real-world objects • Identifies points, lines, rays, line segments, and angles

Spatial Concepts and Symmetry

• Determines the number of lines of symmetry in 2-D figures	• Determines the number of lines of symmetry in 2-D figures