

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
Number Systems	This chapter addresses expressing numbers using exponents and scientific notation.					
		Exponents	Express whole numbers using exponents.			
				M7001	Instruction/Practice 1: Exponents	Instruction/Supported Practice: Learn and practice number expansion, exponents, and simplifying numerical expressions containing exponents.
				M7002	Independent Practice 1: Exponents	Independent Practice: Practice number expansion, exponents, and simplifying numerical expressions containing exponents.
				M7003	Activity Quiz 1: Exponents	Assessment: Demonstrate understanding of number expansion, exponents, and simplifying numerical expressions containing exponents.
				M7004	Instruction/Practice 2: Exponents	Instruction/Supported Practice: Learn and practice number expansion, exponents, and simplifying numerical expressions containing exponents.
				M7005	Independent Practice 2: Exponents	Independent Practice: Practice number expansion, exponents, and simplifying numerical expressions containing exponents.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7006	Activity Quiz 2: Exponents	Assessment: Demonstrate understanding of number expansion, exponents, and simplifying numerical expressions containing exponents.
		Scientific Notation	Express numbers greater than one using scientific notation and vice versa.			
				M7007	Instruction/Practice 1: Scientific Notation	Instruction/Supported Practice: Learn and practice scientific notation, powers of 10, and compare numbers in scientific notation with numbers in standard and scientific notation while using positive exponents.
				M7008	Independent Practice 1: Scientific Notation	Independent Practice: Practice scientific notation, powers of 10, and compare numbers in scientific notation with numbers in standard and scientific notation while using positive exponents.
				M7009	Activity Quiz 1: Scientific Notation	Assessment: Demonstrate understanding of scientific notation, powers of 10, and compare numbers in scientific notation with numbers in standard and scientific notation while using positive exponents.
				M7010	Instruction/Practice 2: Scientific Notation	Instruction/Supported Practice: Learn and practice scientific notation, powers of 10, and compare numbers in scientific notation with numbers in standard and scientific notation while using positive exponents.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7011	Independent Practice 2: Scientific Notation	Independent Practice: Practice scientific notation, powers of 10, and compare numbers in scientific notation with numbers in standard and scientific notation while using positive exponents.
				M7012	Activity Quiz 2: Scientific Notation	Assessment: Demonstrate understanding of scientific notation, powers of 10, and compare numbers in scientific notation with numbers in standard and scientific notation while using positive exponents.
		Representation	Write numbers in word, standard, expanded, and scientific notation.			
				M7013	Instruction/Practice: Representation	Instruction/Supported Practice: Learn and practice scientific notation, expanded notation, and place value of whole numbers.
				M7014	Activity Quiz: Representation	Assessment: Demonstrate understanding of scientific notation, expanded notation, and place value of whole numbers.
Rational Operations	This chapter addresses order of operations, fractions, decimals, percents and estimation.					
		Order of Operations	Apply order of operations to simplify numerical expressions.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7015	Instruction/Practice 1: Order of Operations	Instruction/Supported Practice: Learn and practice order of operations with parenthesis and exponents and apply order of operations to simplify numerical expressions.
				M7016	Independent Practice 1: Order of Operations	Independent Practice: Practice order of operations with parenthesis and exponents and apply order of operations to simplify numerical expressions.
				M7017	Activity Quiz 1: Order of Operations	Assessment: Demonstrate understanding of order of operations with parenthesis and exponents and apply order of operations to simplify numerical expressions.
				M7018	Instruction/Practice 2: Order of Operations	Instruction/Supported Practice: Learn and practice order of operations with parenthesis and exponents and apply order of operations to simplify numerical expressions.
				M7019	Independent Practice 2: Order of Operations	Independent Practice: Practice order of operations with parenthesis and exponents and apply order of operations to simplify numerical expressions.
				M7020	Activity Quiz 2: Order of Operations	Assessment: Demonstrate understanding of order of operations with parenthesis and exponents and apply order of operations to simplify numerical expressions.
		Estimation of Whole Numbers	Use estimation to solve problems with whole numbers.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7021	Instruction/Practice 1: Estimation of Whole Numbers	Instruction/Supported Practice: Learn and practice using estimation to solve numerical problems, word problems, and real world problems that include whole numbers and decimals.
				M7022	Independent Practice 1: Estimation of Whole Numbers	Independent Practice: Practice using estimation to solve numerical problems, word problems, and real world problems that include whole numbers and decimals.
				M7023	Activity Quiz 1: Estimation of Whole Numbers	Assessment: Demonstrate understanding of using estimation to solve numerical problems, word problems, and real world problems that include whole numbers and decimals.
				M7024	Instruction/Practice 2: Estimation of Whole Numbers	Instruction/Supported Practice: Learn and practice using estimation to solve numerical problems, word problems, and real world problems that include whole numbers and decimals.
				M7025	Independent Practice 2: Estimation of Whole Numbers	Independent Practice: Practice using estimation to solve numerical problems, word problems, and real world problems that include whole numbers and decimals.
				M7026	Activity Quiz 2: Estimation of Whole Numbers	Assessment: Demonstrate understanding of using estimation to solve numerical problems, word problems, and real world problems that include whole numbers and decimals.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Fractions, Decimals, and Percents	Knows relationships and can convert between fractions, decimals, and percents.			
				M7027	Instruction/Practice 1: Fractions, Decimals, and Percents	Instruction/Supported Practice: Learn and practice the relationships between fractions, decimals and percents in addition to converting between the three forms. Put forms in order from least to greatest and greatest to least. Solve word problems and find percent of a number.
				M7028	Independent Practice 1: Fractions, Decimals, and Percents	Independent Practice: Practice the relationships between fractions, decimals and percents in addition to converting between the three forms. Put forms in order from least to greatest and greatest to least. Solve word problems and find percent of a number.
				M7029	Activity Quiz 1: Fractions, Decimals, and Percents	Assessment: Demonstrate understanding of the relationships between fractions, decimals and percents in addition to converting between the three forms. Put forms in order from least to greatest and greatest to least. Solve word problems and find percent of a number.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7030	Instruction/Practice 2: Fractions, Decimals, and Percents	Instruction/Supported Practice: Learn and practice the relationships between fractions, decimals and percents in addition to converting between the three forms. Put forms in order from least to greatest and greatest to least. Solve word problems and find percent of a number.
				M7031	Independent Practice 2: Fractions, Decimals, and Percents	Independent Practice: Practice the relationships between fractions, decimals and percents in addition to converting between the three forms. Put forms in order from least to greatest and greatest to least. Solve word problems and find percent of a number.
				M7032	Activity Quiz 2: Fractions, Decimals, and Percents	Assessment: Demonstrate understanding of the relationships between fractions, decimals and percents in addition to converting between the three forms. Put forms in order from least to greatest and greatest to least. Solve word problems and find percent of a number.
		Estimation	Use estimation to solve problems with whole numbers, fractions, decimals, and percents.			
				M7033	Instruction/Practice: Estimation	Instruction/Supported Practice: Learn and practice using estimation to solve problems with whole numbers, fractions, decimals, and percents. Specific estimation methods include front end estimation and benchmarks.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7034	Activity Quiz: Estimation	Assessment: Demonstrate understanding of using estimation to solve problems with whole numbers, fractions, decimals, and percents. Specific estimation methods include front end estimation and benchmarks.
Number Theory	This chapter addresses prime and composite, prime factorization, greatest common factor and least common multiple.					
		Prime and Composite	Identify numbers as prime or composite.			
				M7035	Instruction/Practice: Prime and Composite	Instruction/Supported Practice: Learn and practice identifying prime and composite numbers and using divisibility rules.
				M7036	Activity Quiz: Prime and Composite	Assessment: Demonstrate understanding of identifying prime and composite numbers and using divisibility rules.
		Prime Factorization	Find the prime factorization of whole numbers.			
				M7037	Instruction/Practice 1: Prime Factorization	Instruction/Supported Practice: Learn and practice finding the prime factorization of whole numbers using methods such as factor trees, identifying prime numbers, using divisibility rules and evaluating algebraic expressions for a given value.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7038	Independent Practice 1: Prime Factorization	Independent Practice: Practice finding the prime factorization of whole numbers using methods such as factor trees, identifying prime numbers, using divisibility rules and evaluating algebraic expressions for a given value.
				M7039	Activity Quiz 1: Prime Factorization	Assessment: Demonstrate understanding of finding the prime factorization of whole numbers using methods such as factor trees, identifying prime numbers, using divisibility rules and evaluating algebraic expressions for a given value.
				M7040	Instruction/Practice 2: Prime Factorization	Instruction/Supported Practice: Learn and practice finding the prime factorization of whole numbers using methods such as factor trees, identifying prime numbers, using divisibility rules and evaluating algebraic expressions for a given value.
				M7041	Independent Practice 2: Prime Factorization	Independent Practice: Practice finding the prime factorization of whole numbers using methods such as factor trees, identifying prime numbers, using divisibility rules and evaluating algebraic expressions for a given value.
				M7042	Activity Quiz 2: Prime Factorization	Assessment: Demonstrate understanding of finding the prime factorization of whole numbers using methods such as factor trees, identifying prime numbers, using divisibility rules and evaluating algebraic expressions for a given value.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		GCF and LCM	Find the greatest common factor and least common multiple of two numbers.			
				M7043	Instruction/Practice 1: GCF and LCM	Instruction/Supported Practice: Learn and practice finding the greatest common factor (GCF) and lowest common multiple (LCM) to two numbers using factors, common factors, prime factorization and Venn diagrams.
				M7044	Independent Practice 1: GCF and LCM	Independent Practice: Practice finding the greatest common factor (GCF) and lowest common multiple (LCM) to two numbers using factors, common factors, prime factorization and Venn diagrams.
				M7045	Activity Quiz 1: GCF and LCM	Assessment: Demonstrate understanding of finding the greatest common factor (GCF) and lowest common multiple (LCM) to two numbers using factors, common factors, prime factorization and Venn diagrams.
				M7046	Instruction/Practice 2: GCF and LCM	Instruction/Supported Practice: Learn and practice finding the greatest common factor (GCF) and lowest common multiple (LCM) to two numbers using factors, common factors, prime factorization and Venn diagrams.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7047	Independent Practice 2: GCF and LCM	Independent Practice: Practice finding the greatest common factor (GCF) and lowest common multiple (LCM) to two numbers using factors, common factors, prime factorization and Venn diagrams.
				M7048	Activity Quiz 2: GCF and LCM	Assessment: Demonstrate understanding of finding the greatest common factor (GCF) and lowest common multiple (LCM) to two numbers using factors, common factors, prime factorization and Venn diagrams.
Ratio, Proportion and Percent	This chapter addresses scale, rates, ratios, proportions and percents.					
		Ratios and Rates	Identify and use ratios and rates.			
				M7049	Instruction/Practice: Ratios and Rates	Instruction/Supported Practice: Learn and practice identifying and using ratios, with a colon, with "to," and as a fraction, and rates, including unit rates and prices, as well as using proportions and cross multiplication.
				M7050	Activity Quiz: Ratios and Rates	Assessment: Demonstrate understanding of identifying and using ratios, with a colon, with "to," and as a fraction, and rates, including unit rates and prices, as well as using proportions and cross multiplication.
		Unit Rates Involving Fractions	Compute unit rates involving fractions.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7001	Instruction: Computing Unit Rates Involving Fractions	Instruction: Interactive Exploration. Learn to compute unit rates associated with ratios of fractions.
				MA7002	Supported Practice: Computing Unit Rates Involving Fractions	Supported Practice: Practice computing unit rates associated with ratios of fractions.
				MA7003	Independent Practice: Computing Unit Rates Involving Fractions	Independent Practice: Practice computing unit rates associated with ratios of fractions.
				QZMA7004	Quiz: Computing Unit Rates Involving Fractions	Assessment: Quiz. Demonstrate an ability to compute unit rates associated with ratios of fractions.
		Proportional Relationships	Recognize relationships between ratios, proportions, and percents.			
				M7051	Instruction/Practice 1: Proportional Relationships	Instruction/Supported Practice: Learn and practice recognizing relationships between ratios, proportions, and percents and solving proportions with and without percents.
				M7052	Independent Practice 1: Proportional Relationships	Independent Practice: Practice recognizing relationships between ratios, proportions, and percents and solving proportions with and without percents.
				M7053	Activity Quiz 1: Proportional Relationships	Assessment: Demonstrate understanding of recognizing relationships between ratios, proportions, and percents and solving proportions with and without percents.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7054	Instruction/Practice 2: Proportional Relationships	Instruction/Supported Practice: Learn and practice recognizing relationships between ratios, proportions, and percents and solving proportions with and without percents.
				M7055	Independent Practice 2: Proportional Relationships	Independent Practice: Practice recognizing relationships between ratios, proportions, and percents and solving proportions with and without percents.
				M7056	Activity Quiz 2: Proportional Relationships	Assessment: Demonstrate understanding of recognizing relationships between ratios, proportions, and percents and solving proportions with and without percents.
		Proportions with Tables	Use tables to solve problems with proportions.			
				M7057	Instruction/Practice: Proportions with Tables	Instruction/Supported Practice: Learn and practice using tables to solve problems with proportions and finding missing values in a given table by using proportions.
				M7058	Activity Quiz: Proportions with Tables	Assessment: Demonstrate understanding of using tables to solve problems with proportions and finding missing values in a given table by using proportions.
		Constant Ratios	Use constant ratios to solve problems.			
				M7059	Instruction/Practice: Constant Ratios	Instruction/Supported Practice: Learn and practice using constant ratios to solve proportions, word problems, and real world problems.

Math 7: Scope and Sequence

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				M7060	Activity Quiz: Constant Ratios	Assessment: Demonstrate understanding of using constant ratios to solve proportions, word problems, and real world problems.
		Percents	Solve real world problems involving discounts and mark ups.			
				M7061	Instruction/Practice 1: Percents	Instruction/Supported Practice: Learn and practice finding percent increase, percent decrease, tax, discounts, and mark ups when solving word problems and real world problems.
				M7062	Independent Practice 1: Percents	Independent Practice: Practice finding percent increase, percent decrease, tax, discounts, and mark ups when solving word problems and real world problems.
				M7063	Activity Quiz 1: Percents	Assessment: Demonstrate understanding of finding percent increase, percent decrease, tax, discounts, and mark ups when solving word problems and real world problems.
				M7064	Instruction/Practice 2: Percents	Instruction/Supported Practice: Learn and practice finding percent increase, percent decrease, tax, discounts, and mark ups when solving word problems and real world problems.
				M7065	Independent Practice 2: Percents	Independent Practice: Practice finding percent increase, percent decrease, tax, discounts, and mark ups when solving word problems and real world problems.

Math 7: Scope and Sequence

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				M7066	Activity Quiz 2: Percents	Assessment: Demonstrate understanding of finding percent increase, percent decrease, tax, discounts, and mark ups when solving word problems and real world problems.
				OWM7066	Independent Practice: Compass Writer	Independent Practice: Compass Writer. Practice explaining how to calculate discount, sale price, sales tax, and total cost for a real world problem.
		Simple Interest	Solve real world problems involving simple interest.			
				M7067	Instruction/Practice 1: Simple Interest	Instruction/Supported Practice: Learn and practice solving real world problems involving simple interest and using techniques such as converting percents to decimals.
				M7068	Independent Practice 1: Simple Interest	Independent Practice: Practice solving real world problems involving simple interest and using techniques such as converting percents to decimals.
				M7069	Activity Quiz 1: Simple Interest	Assessment: Demonstrate understanding of solving real world problems involving simple interest and using techniques such as converting percents to decimals.
				M7070	Instruction/Practice 2: Simple Interest	Instruction/Supported Practice: Learn and practice solving real world problems involving simple interest and using techniques such as converting percents to decimals.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7071	Independent Practice 2: Simple Interest	Independent Practice: Practice solving real world problems involving simple interest and using techniques such as converting percents to decimals.
				M7072	Activity Quiz 2: Simple Interest	Assessment: Demonstrate understanding of solving real world problems involving simple interest and using techniques such as converting percents to decimals.
		Scale	Identify proportional relationships in scale drawings.			
				M7073	Instruction/Practice 1: Scale	Instruction/Supported Practice: Learn and practice identifying proportional relationships in scale drawings such as blueprints, maps, enlargements, and reductions.
				M7074	Independent Practice 1: Scale	Independent Practice: Practice identifying proportional relationships in scale drawings such as blueprints, maps, enlargements, and reductions.
				M7075	Activity Quiz 1: Scale	Assessment: Demonstrate understanding by identifying proportional relationships in scale drawings such as blueprints, maps, enlargements, and reductions.
				M7076	Instruction/Practice 2: Scale	Instruction/Supported Practice: Learn and practice identifying proportional relationships in scale drawings such as blueprints, maps, enlargements, and reductions.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7077	Independent Practice 2: Scale	Independent Practice: Practice identifying proportional relationships in scale drawings such as blueprints, maps, enlargements, and reductions.
				M7078	Activity Quiz 2: Scale	Assessment: Demonstrate understanding by identifying proportional relationships in scale drawings such as blueprints, maps, enlargements, and reductions.
		Multi-Step Ratio Problems	Use proportional relationships to solve multistep ratio problems.			
				MA7033	Instruction: Solving Multistep Ratio Problems	Instruction: Interactive Exploration. Learn to explain the meaning of points on a graph.
				MA7034	Supported Practice: Solving Multistep Ratio Problems	Supported Practice: Practice explaining the meaning of points on a graph.
				PDMA7035	Independent Practice: Practice Resource: Solving Multistep Ratio Problems	Independent Practice: Practice Resource. Practice explaining the meaning of points on a graph.
				QZMA7036	Quiz: Solving Multistep Ratio Problems	Assessment: Quiz. Demonstrate an ability to explain the meaning of points on a graph.
		Multi-Step Percent Problems	Use proportional relationships to solve multistep percent problems.			
				MA7037	Instruction: Solving Multistep Percent Problems	Instruction: Learn to use proportional relationships to solve multistep percent problems.
				MA7038	Supported Practice: Solving Multistep Percent Problems	Supported Practice: Practice using proportional relationships to solve multistep percent problems.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				QZMA7039	Quiz: Solving Multistep Percent Problems	Quiz: Demonstrate an ability to use proportional relationships to solve multistep percent problems.
Proportionality	This chapter addresses concepts of proportionality in both tables and graphs, indentifying the constant of proportionality, writing equations of proportional relationships, and applying proportional thinking to interpreting real-world data.					
		Determining Proportional Relationships from a Table	Determine whether a relationship is proportional by testing for equivalent ratios in a table.			
				MA7009	Instruction: Determining Proportional Relationships From a Table	Instruction: Instructional Video. Learn to determine whether a relationship is proportional by testing for equivalent ratios in a table.
				MA7010	Supported Practice: Determining Proportional Relationships From a Table	Supported Practice: Practice determining whether a relationship is proportional by testing for equivalent ratios in a table.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7011	Independent Practice: Determining Proportional Relationships From a Table	Independent Practice: Practice determining whether a relationship is proportional by testing for equivalent ratios in a table.
				QZMA7012	Quiz: Determining Proportional Relationships From a Table	Assessment: Quiz. Demonstrate an ability to determine whether a relationship is proportional by testing for equivalent ratios in a table.
		Determining Proportional Relationships From a Graph	Determine proportional relationships from a graph.			
				MA7013	Instruction: Determining Proportional Relationships From a Graph	Instruction: Instructional Video. Learn to determine whether a relationship is proportional by analyzing a graph.
				MA7014	Supported Practice: Determining Proportional Relationships From a Graph	Supported Practice: Practice determining whether a relationship is proportional by analyzing a graph.
				MA7015	Independent Practice: Determining Proportional Relationships From a Graph	Independent Practice: Practice determining whether a relationship is proportional by analyzing a graph.
				QZMA7016	Quiz: Determining Proportional Relationships From a Graph	Assessment: Quiz. Demonstrate an ability to determine whether a relationship is proportional by analyzing a graph.
		Identifying the Constant of Proportionality	Identify the constant of proportionality.			
				MA7017	Instruction: Identifying the Constant of Proportionality	Instruction: Interactive Exploration. Learn to identify the constant of proportionality from verbal descriptions, equations, and diagrams.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7018	Supported Practice: Identifying the Constant of Proportionality	Supported Practice: Practice identifying the constant of proportionality from verbal descriptions, equations, and diagrams.
				MA7019	Independent Practice: Identifying the Constant of Proportionality	Independent Practice: Practice identifying the constant of proportionality from verbal descriptions, equations, and diagrams.
				QZMA7020	Quiz: Identifying the Constant of Proportionality	Assessment: Quiz. Demonstrate an ability to identify the constant of proportionality from verbal descriptions, equations, and diagrams.
		Identifying the Constant of Proportionality from Tables and Graphs	Identify the constant of proportionality from tables and graphs.			
				MA7021	Instruction: Identifying the Constant of Proportionality from Tables and Graphs	Instruction: Interactive Exploration. Learn to identify the constant of proportionality from tables and graphs.
				MA7022	Supported Practice: Identifying the Constant of Proportionality from Tables and Graphs	Supported Practice: Practice identifying the constant of proportionality from tables and graphs.
				MA7023	Independent Practice: Identifying the Constant of Proportionality from Tables and Graphs	Independent Practice: Practice identifying the constant of proportionality from tables and graphs.
				QZMA7024	Quiz: Identifying the Constant of Proportionality from Tables and Graphs	Assessment: Quiz. Demonstrate an ability to identify the constant of proportionality from tables and graphs.
		Writing Equations for Proportional Relationships	Write equations for proportional relationships.			
				MA7025	Instruction: Writing Equations for Proportional Relationships	Instruction: Interactive Exploration. Learn to write equations for proportional relationships.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7026	Supported Practice: Writing Equations for Proportional Relationships	Supported Practice: Practice writing equations for proportional relationships.
				MA7027	Independent Practice: Writing Equations for Proportional Relationships	Independent Practice: Practice writing equations for proportional relationships.
				QZMA7028	Quiz: Writing Equations for Proportional Relationships	Assessment: Quiz. Demonstrate an ability to write equations for proportional relationships.
		Explaining the Meaning of Points on a Graph	Explain the meaning of points on a graph.			
				MA7029	Instruction: Explaining the Meaning of Points on a Graph	Instruction: Interactive Exploration. Learn to explain the meaning of points on a graph.
				MA7030	Supported Practice: Explaining the Meaning of Points on a Graph	Supported Practice: Practice explaining the meaning of points on a graph.
				PDMA7031	Independent Practice: Practice Resource: Explaining the Meaning of Points on a Graph	Independent Practice: Practice Resource. Practice explaining the meaning of points on a graph.
				QZMA7032	Quiz: Explaining the Meaning of Points on a Graph	Assessment: Quiz. Demonstrate an ability to explain the meaning of points on a graph.
Integers and Number Lines	This chapter addresses describing and modeling integers and operations on a number line.					
		Describing Situations in Which Opposite Quantities Combine to Make Zero	Describe situations in which opposite quantities combine to make zero.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7040	Instruction: Describing Situations in Which Opposite Quantities Combine to Make Zero	Instruction: Interactive Exploration. Learn to relate real-world situations to situations in which opposite quantities combine to make zero.
				MA7041	Supported Practice: Describing Situations in Which Opposite Quantities Combine to Make Zero	Supported Practice: Practice relating real-world situations to situations in which opposite quantities combine to make zero.
				OWMA7042	Practice: Compass Writer: Describing Situations in Which Opposite Quantities Combine to Make Zero	Independent Practice: Compass Writer. Practice relating real-world situations to situations in which opposite quantities combine to make zero.
				QZMA7043	Quiz: Describing Situations in Which Opposite Quantities Combine to Make Zero	Assessment: Quiz. Demonstrate an ability to relate real-world situations to situations in which opposite quantities combine to make zero.
		Modeling Sums of Opposites	Model sums of opposites.			
				MA7045	Instruction: Modeling Sums of Opposites	Instruction: Learn to model sums of opposites.
				MA7046	Supported Practice: Modeling Sums of Opposites	Supported Practice. Practice modeling sums of opposites.
				PDMA7047	Independent Practice: Practice Resource: Modeling Sums of Opposites	Independent Practice: Practice Resource. Practice modeling sums of opposites.
				QZMA7048	Quiz: Modeling Sums of Opposites	Assessment: Quiz. Demonstrate an ability to model sums of opposites.
		Adding Rational Numbers on Number Lines	Add rational numbers on number lines.			
				MA7049	Instruction: Adding Rational Numbers on Number Lines	Instruction: Interactive Exploration. Learn to add rational numbers on number lines.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7050	Supported Practice: Adding Rational Numbers on Number Lines	Supported Practice: Practice adding rational numbers on number lines.
				PDMA7051	Independent Practice: Practice Resource: Adding Rational Numbers on Number Lines	Independent Practice: Practice Resource. Practice adding rational numbers on number lines.
				QZMA7052	Quiz: Adding Rational Numbers on Number Lines	Assessment: Quiz. Demonstrate an ability to add rational numbers on number lines.
		Modeling Distance on a Number Line	Model distance on a number line.			
				MA7057	Instruction: Modeling Distance on a Number Line	Instruction: Interactive Exploration. Learn to model distance on a number line.
				MA7058	Supported Practice: Modeling Distance on a Number Line	Supported Practice: Practice modeling distance on a number line.
				PDMA7059	Independent Practice: Practice Resource: Modeling Distance on a Number Line	Independent Practice: Practice Resource. Practice modeling distance on a number line.
				QZMA7060	Quiz: Modeling Distance on a Number Line	Assessment: Quiz. Demonstrate an ability to model distance on a number line.
		Subtracting Rational Numbers on a Number Line	Subtract rational numbers on a number line.			
				MA7061	Instruction: Subtracting Rational Numbers on a Number Line	Instruction: Interactive Exploration. Learn to subtract rational numbers using a number line.
				MA7062	Supported Practice: Subtracting Rational Numbers on a Number Line	Supported Practice: Practice subtracting rational numbers using a number line.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				PDMA7063	Independent Practice: Practice Resource: Subtracting Rational Numbers on a Number Line	Independent Practice: Practice Resource. Practice subtracting rational numbers using a number line.
				QZMA7064	Quiz: Subtracting Rational Numbers on a Number Line	Assessment: Quiz. Demonstrate an ability to subtract rational numbers using a number line.
		Applying Distances Using Absolute Values	Apply distances using absolute values.			
				MA7065	Instruction: Applying Distances Using Absolute Values	Instruction: Interactive Exploration. Learn to apply distances using absolute values.
				MA7066	Supported Practice: Applying Distances Using Absolute Values	Supported Practice: Practice applying distances using absolute value.
				MA7067	Independent Practice: Applying Distances Using Absolute Values	Independent Practice: Practice applying distances using absolute value.
				QZMA7068	Quiz: Applying Distances Using Absolute Values	Assessment: Quiz. Demonstrate an ability to apply distances using absolute values.
Rational Numbers	This chapter addresses arithmetic operations on rational numbers, additive inverses and multiplicative inverses.					
		Additive and Multiplicative Inverses	Identify pairs of additive and multiplicative inverses.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7079	Instruction/Practice 1: Additive and Multiplicative Inverses	Instruction/Supported Practice: Learn and practice identifying pairs of additive inverses using the number line and multiplicative inverses using properties.
				M7080	Independent Practice 1: Additive and Multiplicative Inverses	Independent Practice: Practice identifying pairs of additive inverses using the number line and multiplicative inverses using properties.
				M7081	Activity Quiz 1: Additive and Multiplicative Inverses	Assessment: Demonstrate understanding by identifying pairs of additive inverses using the number line and multiplicative inverses using properties.
				M7082	Instruction/Practice 2: Additive and Multiplicative Inverses	Instruction/Supported Practice: Learn and practice identifying pairs of additive inverses using the number line and multiplicative inverses using properties.
				M7083	Independent Practice 2: Additive and Multiplicative Inverses	Independent Practice: Practice identifying pairs of additive inverses using the number line and multiplicative inverses using properties.
				M7084	Activity Quiz 2: Additive and Multiplicative Inverses	Assessment: Demonstrate understanding by identifying pairs of additive inverses using the number line and multiplicative inverses using properties.
		Addition and Subtraction	Add and subtract with positive and negative rational numbers.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7085	Instruction/Practice 1: Addition and Subtraction	Instruction/Supported Practice: Learn and practice adding and subtracting positive and negative rational numbers using the number line.
				M7086	Independent Practice 1: Addition and Subtraction	Independent Practice: Practice adding and subtracting positive and negative rational numbers using the number line.
				M7087	Activity Quiz 1: Addition and Subtraction	Assessment: Demonstrate understanding of adding and subtracting positive and negative rational numbers using the number line.
				M7088	Instruction/Practice 2: Addition and Subtraction	Instruction/Supported Practice: Learn and practice adding and subtracting positive and negative rational numbers using the number line.
				M7089	Independent Practice 2: Addition and Subtraction	Independent Practice: Practice adding and subtracting positive and negative rational numbers using the number line.
				M7090	Activity Quiz 2: Addition and Subtraction	Assessment: Demonstrate understanding of adding and subtracting positive and negative rational numbers using the number line.
				OWM7090	Independent Practice: Compass Writer: Addition and Subtraction	Independent Practice: Practice explaining how to solve a real-life problem involving addition and subtraction of rational numbers.
		Interpreting Sums of Rational Numbers	Interpret sums of rational numbers.			
				MA7053	Instruction: Interpreting Sums of Rational Numbers	Instruction: Learn to interpret sums of rational numbers.
				MA7268	Problem Solving: Interpreting Sums of Rational Numbers	Instruction: Learn to interpret sums of rational numbers in the context of real-world problems.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7054	Supported Practice: Interpreting Sums of Rational Numbers	Supported Practice: Practice interpreting sums of rational numbers.
				PDMA7055	Independent Practice: Practice Resource: Interpreting Sums of Rational Numbers	Independent Practice: Practice Resource. Practice interpreting sums of rational numbers.
				QZMA7056	Quiz: Interpreting Sums of Rational Numbers	Assessment: Quiz. Demonstrate an ability to interpret sums of rational numbers.
		Multiplication and Division	Multiply and divide with positive and negative rational numbers.			
				M7091	Instruction/Practice 1: Multiplication and Division	Instruction/Supported Practice: Learn and practice multiplying and dividing with positive and negative rational numbers.
				M7092	Independent Practice 1: Multiplication and Division	Independent Practice: Practice multiplying and dividing with positive and negative rational numbers.
				M7093	Activity Quiz 1: Multiplication and Division	Assessment: Demonstrate understanding of multiplying and dividing with positive and negative rational numbers.
				M7094	Instruction/Practice 2: Multiplication and Division	Instruction/Supported Practice: Learn and practice multiplying and dividing with positive and negative rational numbers.
				M7095	Independent Practice 2: Multiplication and Division	Independent Practice: Practice multiplying and dividing with positive and negative rational numbers.
				M7096	Activity Quiz 2: Multiplication and Division	Assessment: Demonstrate understanding of multiplying and dividing with positive and negative rational numbers.
		Operations	Solve real world problems with fractions, decimals, and integers.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7097	Instruction/Practice 1: Operations	Instruction/Supported Practice: Learn and practice solving real world problems containing fractions, decimals, and integers with various problem solving strategies.
				M7098	Independent Practice 1: Operations	Independent Practice: Practice solving real world problems containing fractions, decimals, and integers with various problem solving strategies.
				M7099	Activity Quiz 1: Operations	Assessment: Demonstrate understanding by solving real world problems containing fractions, decimals, and integers with various problem solving strategies.
				M7100	Instruction/Practice 2: Operations	Instruction/Supported Practice: Learn and practice solving real world problems containing fractions, decimals, and integers with various problem solving strategies.
				M7101	Independent Practice 2: Operations	Independent Practice: Practice solving real world problems containing fractions, decimals, and integers with various problem solving strategies.
				M7102	Activity Quiz 2: Operations	Assessment: Demonstrate understanding by solving real world problems containing fractions, decimals, and integers with various problem solving strategies.
				OWM7102	Independent Practice: Compass Writer: Operations with Rational Numbers in the Real World	Independent Practice: Practice solving and explaining the solution strategy for a real-life problem with rational numbers.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Explore Addition/Subtraction	Use the Number Line tool to investigate addition and subtraction of integers and decimals.			
				M7500	Supported Practice: Explore Addition/Subtraction	Supported Practice: Practice using the Number Line tool to investigate addition and subtraction of integers and decimals.
		Applying Properties of Operations as Strategies to Add and Subtract	Apply properties of operations as strategies to add and subtract.			
				MA7069	Instruction: Applying Properties of Operations as Strategies to Add and Subtract Rational Numbers	Instruction: Interactive Exploration. Learn to apply properties of operations to solve problems involving addition and subtraction of rational numbers.
				MA7070	Supported Practice: Applying Properties of Operations as Strategies to Add/Subtract Rational Numbers	Supported Practice: Practice applying properties of operations to solve problems involving addition and subtraction of rational numbers.
				PDMA7071	Practice Resource: Applying Properties of Operations as Strategies to Add/Subtract Rational Numbers	Independent Practice: Practice Resource. Practice applying properties of operations to solve problems involving addition and subtraction of rational numbers.
				QZMA7072	Quiz: Applying Properties of Operations as Strategies to Add and Subtract Rational Numbers	Assessment: Quiz. Demonstrate an ability to apply properties of operations to solve problems involving addition and subtraction of rational numbers.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Explore Properties	Use the Number Line tool to investigate additive inverses and the commutative and associative properties of addition on rational numbers.			
				M7501	Supported Practice: Explore Properties	Supported Practice: Practice using the Number Line tool to investigate additive inverses and the commutative and associative properties of addition on rational numbers.
Multiply and Divide Signed Rational Numbers	This chapter addresses multiplying and dividing signed rational numbers and interpreting products and quotients of signed rational numbers.					
		Multiplying Signed Rational Numbers	Multiply signed rational numbers.			
				MA7073	Instruction: Multiplying Signed Rational Numbers	Instruction: Interactive Exploration. Learn to multiply signed rational numbers.
				MA7074	Supported Practice: Multiplying Signed Rational Numbers	Supported Practice: Practice multiplying signed rational numbers.
				MA7075	Independent Practice: Multiplying Signed Rational Numbers	Independent Practice: Practice String Game. Practice multiplying signed rational numbers.
				QZMA7076	Quiz: Multiplying Signed Rational Numbers	Assessment: Quiz. Demonstrate an ability to multiply signed rational numbers.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Interpreting Products of Rational Numbers	Interpret products of rational numbers.			
				MA7077	Instruction: Interpreting Products of Rational Numbers	Instruction: Interactive Exploration. Learn to interpret a product of rational numbers.
				MA7078	Supported Practice: Interpreting Products of Rational Numbers	Supported Practice: Practice interpreting a product of rational numbers.
				MA7079	Independent Practice: Interpreting Products of Rational Numbers	Independent Practice: Practice interpreting a product of rational numbers.
				QZMA7080	Quiz: Interpreting Products of Rational Numbers	Assessment: Quiz. Demonstrate an ability to interpret a product of rational numbers.
		Dividing Integers	Divide integers.			
				MA7082	Instruction: Dividing Integers	Instruction: Interactive Exploration. Learn to divide integers.
				MA7083	Supported Practice: Dividing Integers	Supported Practice: Practice dividing integers.
				MA7084	Independent Practice: Dividing Integers	Independent Practice: Practice dividing integers.
				QZMA7085	Quiz: Dividing Integers	Assessment: Quiz. Demonstrate an ability to divide integers.
		Interpreting Quotients of Rational Numbers	Interpret quotients of rational numbers.			
				MA7086	Instruction: Interpreting Quotients of Rational Numbers	Instruction: Interactive Exploration. Learn to interpret a quotient of rational numbers.
				MA7087	Supported Practice: Interpreting Quotients of Rational Numbers	Supported Practice: Practice interpreting a quotient of rational numbers.
				MA7088	Independent Practice: Interpreting Quotients of Rational Numbers	Independent Practice: Practice interpreting a quotient of rational numbers.
				QZMA7089	Quiz: Interpreting Quotients of Rational Numbers	Assessment: Quiz. Demonstrate an ability to interpret a quotient of rational numbers.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Applying Properties to Multiply and Divide Rational Numbers	Apply properties to multiply and divide rational numbers.			
				MA7090	Instruction: Applying Properties to Multiply and Divide Rational Numbers	Instruction: Interactive Exploration. Learn to use properties to multiply and divide rational numbers.
				MA7091	Supported Practice: Applying Properties to Multiply and Divide Rational Numbers	Supported Practice: Practice using properties to multiply and divide rational numbers.
				MA7092	Independent Practice: Applying Properties to Multiply and Divide Rational Numbers	Independent Practice: Practice using properties to multiply and divide rational numbers.
				QZMA7093	Quiz: Applying Properties to Multiply and Divide Rational Numbers	Assessment: Quiz. Demonstrate an ability to use properties to multiply and divide rational numbers.
Expressions and Equations	This chapter addresses simplification of expressions, properties of real numbers, translation, substitution and solving linear equations (one- and two-step).					
		Expressions	Simplify and evaluate algebraic expressions using integers.			
				M7103	Instruction/Practice: Expressions	Instruction/Supported Practice: Learn and practice simplifying and evaluating algebraic expressions using order of operations when given various integers.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7104	Activity Quiz: Expressions	Assessment: Demonstrate understanding by simplifying and evaluating algebraic expressions using order of operations when given various integers.
		Properties	Generalize properties of real numbers to expressions and equations.			
				M7105	Instruction/Practice: Properties	Instruction/Supported Practice: Learn and practice applying properties of real numbers to expressions and equations.
				M7106	Activity Quiz: Properties	Assessment: Demonstrate understanding by applying properties of real numbers to expressions and equations.
		Expressions and Equations	Translate simple one variable word expressions and equations into corresponding symbolic expressions and equations.			
				M7107	Instruction/Practice 1: Expressions and Equations	Instruction/Supported Practice: Learn and practice translating simple, one variable, written situations into corresponding algebraic expressions and equations.
				M7108	Independent Practice 1: Expressions and Equations	Independent Practice: Practice translating simple, one variable, written situations into corresponding algebraic expressions and equations.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7109	Activity Quiz 1: Expressions and Equations	Assessment: Demonstrate understanding by translating simple, one variable, written situations into corresponding algebraic expressions and equations.
				M7110	Instruction/Practice 2: Expressions and Equations	Instruction/Supported Practice: Learn and practice translating simple, one variable, written situations into corresponding algebraic expressions and equations.
				M7111	Independent Practice 2: Expressions and Equations	Independent Practice: Practice translating simple, one variable, written situations into corresponding algebraic expressions and equations.
				M7112	Activity Quiz 2: Expressions and Equations	Assessment: Demonstrate understanding by translating simple, one variable, written situations into corresponding algebraic expressions and equations.
		Algebraic Expressions	Use algebraic expressions to generalize a pattern.			
				M7113	Instruction/Practice: Algebraic Expressions	Instruction/Supported Practice: Learn and practice using and simplifying algebraic expressions to generalize a pattern and writing a function rule or equation when given a table.
				M7114	Activity Quiz: Algebraic Expressions	Assessment: Demonstrate understanding of using and simplifying algebraic expressions to generalize a pattern and writing a function rule or equation when given a table.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Simplify Algebraic Expressions	Simplify algebraic expressions with one variable by combining like terms.			
				M7115	Instruction/Practice 1: Simplify Algebraic Expressions	Instruction/Supported Practice: Learn and practice simplifying algebraic expressions with one variable by combining like terms and representing expressions with models like algebraic tiles.
				M7116	Independent Practice 1: Simplify Algebraic Expressions	Independent Practice: Practice simplifying algebraic expressions with one variable by combining like terms and representing expressions with models like algebraic tiles.
				M7117	Activity Quiz 1: Simplify Algebraic Expressions	Assessment: Demonstrate understanding by simplifying algebraic expressions with one variable by combining like terms and representing expressions with models like algebraic tiles.
				M7118	Instruction/Practice 2: Simplify Algebraic Expressions	Instruction/Supported Practice: Learn and practice simplifying algebraic expressions with one variable by combining like terms and representing expressions with models like algebraic tiles.
				M7119	Independent Practice 2: Simplify Algebraic Expressions	Independent Practice: Practice simplifying algebraic expressions with one variable by combining like terms and representing expressions with models like algebraic tiles.
				M7120	Activity Quiz 2: Simplify Algebraic Expressions	Assessment: Demonstrate understanding by simplifying algebraic expressions with one variable by combining like terms and representing expressions with models like algebraic tiles.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				OWM7120	Independent Practice: Compass Writer: Simplify Algebraic Expressions	Independent Practice: Practice explaining whether two algebraic expressions are equivalent.
		Substitution	Substitute values for variables in an equation to verify whether the equation is true.			
				M7121	Instruction/Practice: Substitution	Instruction/Supported Practice: Learn and practice substituting values for variables in expressions and equations to evaluate and determine whether a given value is a solution the the equation and makes the equation a true statement.
				M7122	Activity Quiz: Substitution	Assessment: Demonstrate understanding by substituting values for variables in expressions and equations to evaluate and determine whether a given value is a solution the the equation and makes the equation a true statement.
		Solve One-Step Linear Equations	Solve one-step linear equations.			
				M7302	Instruction/Practice 1: Solve One-Step Linear Equations	Instruction/Supported Practice: Learn and practice solving one-step linear equations.
				M7303	Independent Practice 1: Solve One-Step Linear Equations	Independent Practice: Practice solving one-step linear equations.
				M7304	Activity Quiz 1: Solve One-Step Linear Equations	Assessment: Demonstrate understanding of solving one-step linear equations.
				M7305	Instruction/Practice 2: Solve One-Step Linear Equations	Instruction/Supported Practice: Learn and practice solving one-step linear equations.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7306	Independent Practice 2: Solve One-Step Linear Equations	Independent Practice: Practice solving one-step linear equations.
				M7307	Activity Quiz 2: Solve One-Step Linear Equations	Assessment: Demonstrate understanding of solving one-step linear equations.
		Solve Two-Step Linear Equations	Solve two-step linear equations.			
				M7296	Instruction/Practice 1: Solve Two-Step Linear Equations	Instruction/Supported Practice: Learn and practice solving one-step and two-step linear equations.
				M7297	Independent Practice 1: Solve Two-Step Linear Equations	Independent Practice: Practice solving one-step and two-step linear equations.
				M7298	Activity Quiz 1: Solve Two-Step Linear Equations	Assessment: Demonstrate understanding of solving one-step and two-step linear equations.
				M7299	Instruction/Practice 2: Solve Two-Step Linear Equations	Instruction/Supported Practice: Learn and practice solving one-step and two-step linear equations.
				M7300	Independent Practice 2: Solve Two-Step Linear Equations	Independent Practice: Practice solving one-step and two-step linear equations.
				M7301	Activity Quiz 2: Solve Two-Step Linear Equations	Assessment: Demonstrate understanding of solving one-step and two-step linear equations.
				OWM7301	Independent Practice: Compass Writer: Solving Two-Step Equations in the Real World	Independent Practice: Practice comparing an algebraic solution to an arithmetic solution.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
Expressions and Equations with Rational Numbers	This chapter addresses simplification, writing, and operations with rational expressions and solving multi-step problems with rational numbers.					
		Performing Operations on Linear Expressions	Perform operations on linear expressions.			
				MA7103	Instruction: Performing Operations on Linear Expressions	Instruction: Interactive Exploration. Learn to add, subtract, expand, and factor linear expressions with rational coefficients.
				MA7104	Supported Practice: Performing Operations on Linear Expressions	Supported Practice: Practice adding, subtracting, expanding, and factoring linear expressions with rational coefficients.
				MA7105	Independent Practice: Performing Operations on Linear Expressions	Independent Practice: Practice adding, subtracting, expanding, and factoring linear expressions with rational coefficients.
				QZMA7106	Quiz: Performing Operations on Linear Expressions	Assessment: Quiz. Demonstrate an ability to add, subtract, expand, and factor linear expressions with rational coefficients.
		Writing an Expression in Different Forms to Represent a Situation	Write an expression in different forms to represent a situation.			
				MA7108	Instruction: Writing an Expression in Different Forms to Represent a Situation	Instruction: Interactive Exploration. Learn to write different equivalent expressions to represent real-world situations.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7109	Supported Practice: Writing an Expression in Different Forms to Represent a Situation	Supported Practice: Practice writing different equivalent expressions to represent real-world situations.
				MA7110	Independent Practice: Writing an Expression in Different Forms to Represent a Situation	Independent Practice: Practice writing different equivalent expressions to represent real-world situations.
				QZMA7111	Quiz: Writing an Expression in Different Forms to Represent a Situation	Assessment: Quiz. Demonstrate an ability to write different equivalent expressions to represent real-world situations.
		Solving Multi-Step Problems with Rational Numbers	Solve multi-step problems with rational numbers.			
				MA7116	Instruction: Solving Multi-Step Problems with Rational Numbers	Instruction: Interactive Exploration. Learn to solve multi-step problems with rational numbers.
				MA7117	Supported Practice: Solving Multi-Step Problems with Rational Numbers	Supported Practice: Practice solving multi-step problems with rational numbers.
				MA7118	Independent Practice: Solving Multi-Step Problems with Rational Numbers	Independent Practice: Practice solving multi-step problems with rational numbers.
				QZMA7119	Quiz: Solving Multi-Step Problems with Rational Numbers	Assessment: Quiz. Demonstrate an ability to solve multi-step problems with rational numbers.
		Solving Multi-Step Problems by Converting Rational Numbers Between Forms	Solve multi-step problems by converting rational numbers between forms.			
				MA7120	Instruction: Solving Multi-Step Problems by Converting Rational Numbers Between Forms	Instruction: Interactive Exploration. Learn to solve multi-step problems by converting rational numbers between different forms.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7121	Supported Practice: Solving Multi-Step Problems by Converting Rational Numbers Between Forms	Supported Practice: Practice solving multi-step problems by converting rational numbers between forms.
				QZMA7122	Quiz: Solving Multi-Step Problems by Converting Rational Numbers Between Forms	Assessment: Quiz. Demonstrate an ability to solve multi-step problems by converting rational numbers between different forms.
Solving Special Forms of Equations	This chapter addresses solving specific forms of algebraic equations and comparing algebraic and arithmetic solutions.					
		Solving Equations of the Form $px + q = r$	Solve equations of the form $px + q = r$.			
				MA7127	Instruction: Solving Equations of the Form $px + q = r$	Instruction: Interactive Exploration. Learn to solve equations of the form $px + q = r$.
				MA7271	Problem Solving: Solving Equations of the Form $px + q = r$	Instruction: Learn to solve real-world equations of the form $px + q = r$.
				MA7128	Supported Practice: Solving Equations of the Form $px + q = r$	Supported Practice: Practice solving equations of the form $px + q = r$.
				MA7129	Independent Practice: Solving Equations of the Form $px + q = r$	Independent Practice: Practice solving equations of the form $px + q = r$.
				QZMA7130	Quiz: Solving Equations of the Form $px + q = r$	Assessment: Quiz. Demonstrate an ability to solve equations of the form $px + q = r$.
		Solving Equations of the Form $p(x + q) = r$	Solve equations of the form $p(x + q) = r$.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7135	Instruction: Solving Equations of the Form $p(x + q) = r$	Instruction: Interactive Exploration. Learn to solve equations of the form $p(x + q) = r$.
				MA7136	Supported Practice: Solving Equations of the Form $p(x + q) = r$	Supported Practice: Practice solving equations of the form $p(x + q) = r$.
				MA7137	Independent Practice: Solving Equations of the Form $p(x + q) = r$	Independent Practice: Practice solving equations of the form $p(x + q) = r$.
				QZMA7138	Quiz: Solving Equations of the Form $p(x + q) = r$	Assessment: Quiz. Demonstrate an ability to solve equations of the form $p(x + q) = r$.
		Comparing Algebraic and Arithmetic Solutions	Compare algebraic and arithmetic solutions.			
				MA7143	Instruction: Comparing Algebraic and Arithmetic Solutions	Instruction: Interactive Exploration. Learn to compare algebraic and arithmetic solutions.
				MA7144	Supported Practice: Comparing Algebraic and Arithmetic Solutions	Supported Practice: Practice comparing algebraic and arithmetic solutions.
				QZMA7145	Quiz: Comparing Algebraic and Arithmetic Solutions	Assessment: Quiz. Demonstrate an ability to compare algebraic and arithmetic solutions.
Inequalities	This chapter addresses writing, solving, graphing, and interpreting inequalities.					
		Writing and Solving Two-Step Inequalities	Write and solve two-step inequalities.			
				MA7146	Instruction: Writing and Solving Two-Step Inequalities	Instruction: Interactive Exploration. Learn to write and solve two-step inequalities.
				MA7270	Problem Solving: Writing and Solving Two-Step Inequalities	Instruction: Learn to write and solve two-step inequalities to solve real-world problems.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				MA7147	Supported Practice: Writing and Solving Two-Step Inequalities	Supported Practice: Practice writing and solving two-step inequalities.
				MA7148	Independent Practice: Writing and Solving Two-Step Inequalities	Independent Practice: Practice writing and solving two-step inequalities.
				QZMA7149	Quiz: Writing and Solving Two-Step Inequalities	Assessment: Quiz. Demonstrate an ability to write and solve two-step inequalities.
		Graphing and Interpreting Solutions of Inequalities	Graph and interpret solutions of inequalities.			
				MA7154	Instruction: Graphing and Interpreting Solutions of Inequalities	Instruction: Interactive Exploration. Learn to graph and interpret the solutions of inequalities.
				MA7155	Supported Practice: Graphing and Interpreting Solutions of Inequalities	Supported Practice: Practice graphing and interpreting the solutions of inequalities.
				PDMA7156	Independent Practice: Practice Resource: Graphing and Interpreting Solutions of Inequalities	Independent Practice: Practice Resource. Practice graphing and interpreting the solutions of inequalities.
				QZMA7157	Quiz: Graphing and Interpreting Solutions of Inequalities	Assessment: Quiz. Demonstrate an ability to graph and interpret the solutions of inequalities.
Triangles	This chapter addresses the classification of angles and triangles and the calculation of unknown angles and side lengths in triangles.					
		Classify Triangles	Identify and classify triangles.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7123	Instruction/Practice: Classify Triangles	Instruction/Supported Practice: Learn and practice identifying and classifying triangles as obtuse, acute, right, scalene, isosceles, or equilateral.
				M7124	Activity Quiz: Classify Triangles	Assessment: Demonstrate understanding by identifying and classifying triangles as obtuse, acute, right, scalene, isosceles, or equilateral.
		Interior and Exterior Angles	Find the measure of an interior or exterior angle using an angle relationship.			
				M7125	Instruction/Practice: Interior and Exterior Angles	Instruction/Supported Practice: Learn and practice finding the measure of an interior angle with the knowledge that the sum of the interior angles of a triangle is 180, finding the measure of an exterior angle using an angle relationship, and understanding vertical angles, adjacent angles, complementary angles, and supplementary angles.
				M7126	Activity Quiz: Interior and Exterior Angles	Assessment: Demonstrate understanding of finding the measure of an interior angle with the knowledge that the sum of the interior angles of a triangle is 180, finding the measure of an exterior angle using an angle relationship, and understanding vertical angles, adjacent angles, complementary angles, and supplementary angles.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Angle Measurement	Solve angle measurement problems for triangles.			
				M7127	Instruction/Practice 1: Angle Measurement	Instruction/Supported Practice: Learn and practice solving for missing angle measurements of triangles with the understanding that the sum of the interior angles of a triangle is equal to 180 degrees.
				M7128	Independent Practice 1: Angle Measurement	Independent Practice: Practice solving for missing angle measurements of triangles with the understanding that the sum of the interior angles of a triangle is equal to 180 degrees.
				M7129	Activity Quiz 1: Angle Measurement	Assessment: Demonstrate understanding by solving for missing angle measurements of triangles with the understanding that the sum of the interior angles of a triangle is equal to 180 degrees.
				M7130	Instruction/Practice 2: Angle Measurement	Instruction/Supported Practice: Learn and practice solving for missing angle measurements of triangles with the understanding that the sum of the interior angles of a triangle is equal to 180 degrees.
				M7131	Independent Practice 2: Angle Measurement	Independent Practice: Practice solving for missing angle measurements of triangles with the understanding that the sum of the interior angles of a triangle is equal to 180 degrees.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7132	Activity Quiz 2: Angle Measurement	Assessment: Demonstrate understanding by solving for missing angle measurements of triangles with the understanding that the sum of the interior angles of a triangle is equal to 180 degrees.
				OWM7132	Independent Practice: Compass Writer: Angle Measurement	Independent Practice: Practice explaining how to find the missing angle measure using the relationships of angles.
		Pythagorean Relationship	Demonstrate or identify the Pythagorean relationship using models or diagrams.			
				M7133	Instruction/Practice: Pythagorean Relationship	Instruction/Supported Practice: Learn and practice identifying the relationship among the three sides of a right triangle.
				M7134	Activity Quiz: Pythagorean Relationship	Assessment: Demonstrate understanding by identifying the relationship among the three sides of a right triangle.
				ATM7134	Practice Resource: Pythagorean Relationship	Practice Resource: Practice identifying the relationship among the three sides of a right triangle.
		Pythagorean Theorem	Given two sides of a right triangle, find the length of a third side.			
				M7135	Instruction/Practice 1: Pythagorean Theorem	Instruction/Supported Practice: Learn and practice using the Pythagorean Theorem to find the length of a missing side of a right triangle when given the length of the other two sides.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7136	Independent Practice 1: Pythagorean Theorem	Independent Practice: Practice using the Pythagorean Theorem to find the length of a missing side of a right triangle when given the length of the other two sides.
				M7137	Activity Quiz 1: Pythagorean Theorem	Assessment: Demonstrate understanding by using the Pythagorean Theorem to find the length of a missing side of a right triangle when given the length of the other two sides.
				M7138	Instruction/Practice 2: Pythagorean Theorem	Instruction/Supported Practice: Learn and practice using the Pythagorean Theorem to find the length of a missing side of a right triangle when given the length of the other two sides.
				M7139	Independent Practice 2: Pythagorean Theorem	Independent Practice: Practice using the Pythagorean Theorem to find the length of a missing side of a right triangle when given the length of the other two sides.
				M7140	Activity Quiz 2: Pythagorean Theorem	Assessment: Demonstrate understanding by using the Pythagorean Theorem to find the length of a missing side of a right triangle when given the length of the other two sides.
				OWM7140	Independent Practice: Compass Writer: Pythagorean Theorem	Independent Practice: Practice explaining how to use the Pythagorean Theorem in a real world situation.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
Plane Geometry	This chapter addresses the properties of lines and angles and the calculation of perimeter, circumference and area.					
		Perimeter and Area	Find the perimeter and area of two-dimensional figures.			
				M7141	Instruction/Practice: Perimeter and Area	Instruction/Supported Practice: Learn and practice finding the perimeter and area of two-dimensional figures such as the trapezoid, parallelogram, and compound or irregular figures.
				M7142	Activity Quiz: Perimeter and Area	Assessment: Demonstrate understanding by finding the perimeter and area of two-dimensional figures such as the trapezoid, parallelogram, and compound or irregular figures.
		Area and Circumference	Find the circumference and area of circles.			
				M7143	Instruction/Practice: Area and Circumference	Instruction/Supported Practice: Learn and practice finding the circumference and area of circles by identifying and using the measurements of the radius or diameter of the circle.
				M7144	Activity Quiz: Area and Circumference	Assessment: Demonstrate understanding by finding the circumference and area of circles by identifying and using the measurements of the radius or diameter of the circle.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Geometric Properties of Lines	Identify and use symbolic notation to denote lines (intersecting, skew, parallel, perpendicular).			
				M7145	Instruction/Practice 1: Geometric Properties of Lines	Instruction/Supported Practice: Learn and practice identifying and using symbolic notation to denote lines, rays, segments, parallel lines, perpendicular lines, skew lines, intersecting lines, and the transversal.
				M7146	Independent Practice 1: Geometric Properties of Lines	Independent Practice: Practice identifying and using symbolic notation to denote lines, rays, segments, parallel lines, perpendicular lines, skew lines, intersecting lines, and the transversal.
				M7147	Activity Quiz 1: Geometric Properties of Lines	Assessment: Demonstrate understanding by identifying and using symbolic notation to denote lines, rays, segments, parallel lines, perpendicular lines, skew lines, intersecting lines, and the transversal.
				M7148	Instruction/Practice 2: Geometric Properties of Lines	Instruction/Supported Practice: Learn and practice identifying and using symbolic notation to denote lines, rays, segments, parallel lines, perpendicular lines, skew lines, intersecting lines, and the transversal.
				M7149	Independent Practice 2: Geometric Properties of Lines	Independent Practice: Practice identifying and using symbolic notation to denote lines, rays, segments, parallel lines, perpendicular lines, skew lines, intersecting lines, and the transversal.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7150	Activity Quiz 2: Geometric Properties of Lines	Assessment: Demonstrate understanding by identifying and using symbolic notation to denote lines, rays, segments, parallel lines, perpendicular lines, skew lines, intersecting lines, and the transversal.
		Angle Measure	Find the measure of an angle using a protractor or angle relationship.			
				M7151	Instruction/Practice 1: Angle Measure	Instruction/Supported Practice: Learn and practice identifying the two rays that make up an angle, complementary angles, supplementary angles, straight angles, and corresponding and alternate interior angles and where they are located when a transversal crosses two parallel lines and using this information to find the measure of a given angle using angle relationships or a protractor.
				M7152	Independent Practice 1: Angle Measure	Independent Practice: Practice identifying the two rays that make up an angle, complementary angles, supplementary angles, straight angles, and corresponding and alternate interior angles and where they are located when a transversal crosses two parallel lines and using this information to find the measure of a given angle using angle relationships or a protractor.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7153	Activity Quiz 1: Angle Measure	Assessment: Demonstrate understanding by identifying the two rays that make up an angle, complementary angles, supplementary angles, straight angles, and corresponding and alternate interior angles and where they are located when a transversal crosses two parallel lines and using this information to find the measure of a given angle using angle relationships or a protractor.
				M7154	Instruction/Practice 2: Angle Measure	Instruction/Supported Practice: Learn and practice identifying the two rays that make up an angle, complementary angles, supplementary angles, straight angles, and corresponding and alternate interior angles and where they are located when a transversal crosses two parallel lines and using this information to find the measure of a given angle using angle relationships or a protractor.
				M7155	Independent Practice 2: Angle Measure	Independent Practice: Practice identifying the two rays that make up an angle, complementary angles, supplementary angles, straight angles, and corresponding and alternate interior angles and where they are located when a transversal crosses two parallel lines and using this information to find the measure of a given angle using angle relationships or a protractor.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7156	Activity Quiz 2: Angle Measure	Assessment: Demonstrate understanding by identifying the two rays that make up an angle, complementary angles, supplementary angles, straight angles, and corresponding and alternate interior angles and where they are located when a transversal crosses two parallel lines and using this information to find the measure of a given angle using angle relationships or a protractor.
		Application of Properties of Lines and Angles	Describe and apply parallelism and perpendicularity in real world contexts.			
				M7157	Instruction/Practice: Properties of Lines and Angles	Instruction/Supported Practice: Learn and practice describing and applying parallelism, perpendicularity, and intersection of lines in real world contexts.
				M7158	Activity Quiz: Properties of Lines and Angles	Assessment: Demonstrate understanding of describing and applying parallelism, perpendicularity, and intersection of lines in real world contexts.
		Polygons	Compare and describe attributes of regular and nonregular convex polygons (parallelograms, trapezoids, pentagons, hexagons, and octagons).			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7159	Instruction/Practice: Polygons	Instruction/Supported Practice: Learn and practice comparing and describing regular and irregular polygons up to an eight-sided polygon and calculating the sum of the interior angles.
				M7160	Activity Quiz: Polygons	Assessment: Demonstrate understanding by comparing and describing regular and irregular polygons up to an eight-sided polygon and calculating the sum of the interior angles.
		Regular Polygon Angle Measurements	Find the measure of the interior angles of a regular polygon.			
				M7161	Instruction/Practice: Regular Polygon Angle Measurements	Instruction/Supported Practice: Learn and practice finding the measure of the interior angles of a regular polygon.
				M7162	Activity Quiz: Regular Polygon Angle Measurements	Assessment: Demonstrate understanding by finding the measure of the interior angles of a regular polygon.
		Angle Measurement of Polygons	Find the measure of an angle using a protractor or angle relationship (corresponding, complementary, and supplementary).			
				M7163	Instruction/Practice: Angle Measurement of Polygons	Instruction/Supported Practice: Learn and practice finding the measure of an angle using a protractor or an angle relationship.
				M7164	Activity Quiz: Angle Measurement of Polygons	Assessment: Demonstrate understanding by finding the measure of an angle using a protractor or an angle relationship.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Congruent and Similar Polygons	Identify attributes of a figure congruent or similar to a given figure.			
				M7165	Instruction/Practice 1: Congruent and Similar Polygons	Instruction/Supported Practice: Learn and practice identifying attributes of a figure congruent to or similar to a given figure and finding missing angles and sides using proportions.
				M7166	Independent Practice 1: Congruent and Similar Polygons	Independent Practice: Practice identifying attributes of a figure congruent to or similar to a given figure and finding missing angles and sides using proportions.
				M7167	Activity Quiz 1: Congruent and Similar Polygons	Assessment: Demonstrate understanding by identifying attributes of a figure congruent to or similar to a given figure and finding missing angles and sides using proportions.
				M7168	Instruction/Practice 2: Congruent and Similar Polygons	Instruction/Supported Practice: Learn and practice identifying attributes of a figure congruent to or similar to a given figure and finding missing angles and sides using proportions.
				M7169	Independent Practice 2: Congruent and Similar Polygons	Independent Practice: Practice identifying attributes of a figure congruent to or similar to a given figure and finding missing angles and sides using proportions.
				M7170	Activity Quiz 2: Congruent and Similar Polygons	Assessment: Demonstrate understanding by identifying attributes of a figure congruent to or similar to a given figure and finding missing angles and sides using proportions.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Explore Symmetry/Reflection	Use the Transformation tool to investigate symmetry and reflections.			
				M7506	Supported Practice: Explore Symmetry and Reflection	Supported Practice: Practice using the Transformation tool to investigate symmetry and reflections.
Geometric Constructions	This chapter addresses constructing parallelograms and triangles.					
		Constructing Parallelograms	Construct parallelograms.			
				PDMA7167	Independent Practice: Practice Resource: Constructing Parallelograms	Independent Practice: Practice Resource. Practice constructing parallelograms.
				QZMA7168	Quiz: Constructing Parallelograms	Assessment: Quiz. Demonstrate an ability to construct parallelograms.
		Constructing Triangles Using Given Angles	Construct triangles using given angles. (with a protractor and ruler)			
				MA7368	Instruction: Constructing Triangles	Instruction: Instructional Video. Learn to construct triangles using given angles.
				MA7369	Independent Practice: Constructing Triangles	Independent Practice: Practice constructing triangles using given angles.
				QZMA7370	Assessment: Constructing Triangles	Assessment: Quiz. Demonstrate an understanding of constructing triangles using given angles.
		Constructing Triangles	Construct triangles.			
				PDMA7170	Independent Practice: Practice Resource: Constructing Triangles	Independent Practice: Practice Resource. Practice constructing triangles.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				QZMA7171	Quiz: Constructing Triangles	Assessment: Quiz. Demonstrate an ability to construct triangles.
Three-Dimensional Geometry	This chapter addresses the volumes and surface areas of three-dimensional shapes.					
		Attributes	Identify attributes properties of three-dimensional figures.			
				M7171	Instruction/Practice: Attributes	Instruction/Supported Practice: Learn and practice naming pyramids and prisms by their base, identifying the faces, verticies, and edges of three dimensional figures, including pyramids, prisms, polyhedrons, cones, spheres, hemispheres, and cylinders, and how these attributes relate to Euler's Formula.
				M7172	Activity Quiz: Attributes	Assessment: Demonstrate understanding of naming pyramids and prisms by their base, identifying the faces, verticies, and edges of three dimensional figures, including pyramids, prisms, polyhedrons, cones, spheres, hemispheres, and cylinders, and how these attributes relate to Euler's Formula.
		Volume	Calculate the volume of prisms and cylinders.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7173	Instruction/Practice 1: Volume	Instruction/Supported Practice: Learn and practice calculating the volume of regular prisms, irregular prisms, and cylinders and understanding what happens to volume when dimensions are changed.
				M7174	Independent Practice 1: Volume	Independent Practice: Practice calculating the volume of regular prisms, irregular prisms, and cylinders and understanding what happens to volume when dimensions are changed.
				M7175	Activity Quiz 1: Volume	Assessment: Demonstrate understanding by calculating the volume of regular prisms, irregular prisms, and cylinders and understanding what happens to volume when dimensions are changed.
				M7176	Instruction/Practice 2: Volume	Instruction/Supported Practice: Learn and practice calculating the volume of regular prisms, irregular prisms, and cylinders and understanding what happens to volume when dimensions are changed.
				M7177	Independent Practice 2: Volume	Independent Practice: Practice calculating the volume of regular prisms, irregular prisms, and cylinders and understanding what happens to volume when dimensions are changed.
				M7178	Activity Quiz 2: Volume	Assessment: Demonstrate understanding by calculating the volume of regular prisms, irregular prisms, and cylinders and understanding what happens to volume when dimensions are changed.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				ATM7178	Practice Resource: Volume of Composite Figures	Practice Resource: Practice calculating the volume of composite figures.
				QZMA7207	Quiz: Finding Volume of Composite 3D Figures	Assessment: Quiz. Demonstrate an ability to find the volume of composite three-dimensional figures.
		Surface Area	Calculate the surface area of prisms and cylinders.			
				M7179	Instruction/Practice 1: Surface Area	Instruction/Supported Practice: Learn and practice calculating surface area of rectangular and triangular prisms and both the total surface area and lateral surface area of cylinders.
				M7180	Independent Practice 1: Surface Area	Independent Practice: Practice calculating surface area of rectangular and triangular prisms and both the total surface area and lateral surface area of cylinders.
				M7181	Activity Quiz 1: Surface Area	Assessment: Demonstrating understanding by calculating surface area of rectangular and triangular prisms and both the total surface area and lateral surface area of cylinders.
				M7182	Instruction/Practice 2: Surface Area	Instruction/Supported Practice: Learn and practice calculating surface area of rectangular and triangular prisms and both the total surface area and lateral surface area of cylinders.
				M7183	Independent Practice 2: Surface Area	Independent Practice: Practice calculating surface area of rectangular and triangular prisms and both the total surface area and lateral surface area of cylinders.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7184	Activity Quiz 2: Surface Area	Assessment: Demonstrating understanding by calculating surface area of rectangular and triangular prisms and both the total surface area and lateral surface area of cylinders.
				ATM7184	Practice Resource: Surface Area of Composite Figures	Practice Resource: Practice calculating the surface area of composite figures.
				QZMA7204	Quiz: Finding the Surface Area of Composite 3D Figures.	Assessment: Quiz. Demonstrate an ability to find the surface area of composite 3D figures.
Composite 2D and 3D Figures	This chapter addresses finding the area of composite 2D figures and the surface area or volume of composite 3D figures.					
		Finding Area of Composite Two-Dimensional Figures	Find the area of composite two-dimensional figures.			
				MA7198	Instruction: Finding Area of Composite Two-Dimensional Figures	Instruction: Learn to decompose composite figures to find their areas.
				MA7269	Problem Solving: Finding Area of Composite Two-Dimensional Figures	Instruction: Learn to decompose composite figures to find their areas in the context of real-world problems.
				MA7199	Supported Practice: Finding Area of Composite Two-Dimensional Figures	Supported Practice: Practice decomposing composite figures to find their areas.
				MA7200	Independent Practice: Finding Area of Composite Two-Dimensional Figures	Independent Practice: Practice String Game. Practice decomposing composite figures to find their areas.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				QZMA7201	Quiz: Finding Area of Composite Two-Dimensional Figures	Assessment: Quiz. Demonstrate an ability to decompose composite figures to find their areas.
Measurement	This chapter addresses the measurement of rate, distance, time, mass, capacity and estimation and conversion.					
		Measurement	Measure length, weight, capacity, and volume using customary or metric units.			
				M7191	Instruction/Practice 1: Measurement	Instruction/Supported Practice: Learn and practice choosing the most appropriate unit of measurement for a given item and measuring and approximating length, weight, capacity, and volume using both metric and customary units of measurement.
				M7192	Independent Practice 1: Measurement	Independent Practice: Practice choosing the most appropriate unit of measurement for a given item and measuring and approximating length, weight, capacity, and volume using both metric and customary units of measurement.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7193	Activity Quiz 1: Measurement	Assessment: Demonstrate understanding of choosing the most appropriate unit of measurement for a given item and measuring and approximating length, weight, capacity, and volume using both metric and customary units of measurement.
				M7194	Instruction/Practice 2: Measurement	Instruction/Supported Practice: Learn and practice choosing the most appropriate unit of measurement for a given item and measuring and approximating length, weight, capacity, and volume using both metric and customary units of measurement.
				M7195	Independent Practice 2: Measurement	Independent Practice: Practice choosing the most appropriate unit of measurement for a given item and measuring and approximating length, weight, capacity, and volume using both metric and customary units of measurement.
				M7196	Activity Quiz 2: Measurement	Assessment: Demonstrate understanding of choosing the most appropriate unit of measurement for a given item and measuring and approximating length, weight, capacity, and volume using both metric and customary units of measurement.
		Mass and Volume	Know the relationship between mass and volume and solve problems.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7197	Instruction/Practice: Mass and Volume	Instruction/Supported Practice: Learn and practice knowing the relationship of mass and volume and how to solve for mass volume and density.
				M7198	Activity Quiz: Mass and Volume	Assessment: Demonstrate understanding of knowing the relationship of mass and volume and how to solve for mass volume and density.
		Compare Units	Compare units within each system.			
				M7199	Instruction/Practice: Compare Units	Instruction/Supported Practice: Learn and practice ordering customary and metric measurements for length, weight, and capacity from least to greatest and greatest to least and understand the meaning of the metric prefixes.
				M7200	Activity Quiz: Compare Units	Assessment: Demonstrate understanding by ordering customary and metric measurements for length, weight, and capacity from least to greatest and greatest to least and understand the meaning of the metric prefixes.
		Rate, Time and Distance	Develop and apply $d=rt$ to solve problems for rate, time, and distance.			
				M7201	Instruction/Practice 1: Rate, Time and Distance	Instruction/Supported Practice: Learn and practice recognizing distance, rate, and time and solving $d = rt$ equations when given two of the measurements.
				M7202	Independent Practice 1: Rate, Time and Distance	Independent Practice: Practice recognizing distance, rate, and time and solving $d = rt$ equations when given two of the measurements.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7203	Activity Quiz 1: Rate, Time and Distance	Assessment: Demonstrate understanding by recognizing distance, rate, and time and solving $d = rt$ equations when given two of the measurements.
				M7204	Instruction/Practice 2: Rate, Time and Distance	Instruction/Supported Practice: Learn and practice recognizing distance, rate, and time and solving $d = rt$ equations when given two of the measurements.
				M7205	Independent Practice 2: Rate, Time and Distance	Independent Practice: Practice recognizing distance, rate, and time and solving $d = rt$ equations when given two of the measurements.
				M7206	Activity Quiz 2: Rate, Time and Distance	Assessment: Demonstrate understanding by recognizing distance, rate, and time and solving $d = rt$ equations when given two of the measurements.
		Estimation of Measurements	Estimate measurements of length, weight, volume or capacity.			
				M7207	Instruction/Practice 1: Estimation of Measurements	Instruction/Supported Practice: Learn and practice estimating measurements of length, weight, volume, and capacity.
				M7208	Independent Practice 1: Estimation of Measurements	Independent Practice: Practice estimating measurements of length, weight, volume, and capacity.
				M7209	Activity Quiz 1: Estimation of Measurements	Assessment: Demonstrate understanding by estimating measurements of length, weight, volume, and capacity.
				M7210	Instruction/Practice 2: Estimation of Measurements	Instruction/Supported Practice: Learn and practice estimating measurements of length, weight, volume, and capacity.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7211	Independent Practice 2: Estimation of Measurements	Independent Practice: Practice estimating measurements of length, weight, volume, and capacity.
				M7212	Activity Quiz 2: Estimation of Measurements	Assessment: Demonstrate understanding by estimating measurements of length, weight, volume, and capacity.
		Problem Solving	Perform operations on measurements within each system.			
				M7213	Instruction/Practice 1: Problem Solving	Instruction/Supported Practice: Learn and practice solving real world problems using both metric and customary measurements.
				M7214	Independent Practice 1: Problem Solving	Independent Practice: Practice solving real world problems using both metric and customary measurements.
				M7215	Activity Quiz 1: Problem Solving	Assessment: Demonstrate understanding by solving real world problems using both metric and customary measurements.
				M7216	Instruction/Practice 2: Problem Solving	Instruction/Supported Practice: Learn and practice solving real world problems using both metric and customary measurements.
				M7217	Independent Practice 2: Problem Solving	Independent Practice: Practice solving real world problems using both metric and customary measurements.
				M7218	Activity Quiz 2: Problem Solving	Assessment: Demonstrate understanding by solving real world problems using both metric and customary measurements.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Conversions	Solve problems involving conversions within the same system.			
				M7219	Instruction/Practice 1: Conversions	Instruction/Supported Practice: Learn and practice solving length, capacity, and weight problems converting units of measurement within both the metric and customary systems.
				M7220	Independent Practice 1: Conversions	Independent Practice: Practice solving length, capacity, and weight problems converting units of measurement within both the metric and customary systems.
				M7221	Activity Quiz 1: Conversions	Assessment: Demonstrate understanding by solving length, capacity, and weight problems converting units of measurement within both the metric and customary systems.
				M7222	Instruction/Practice 2: Conversions	Instruction/Supported Practice: Learn and practice solving length, capacity, and weight problems converting units of measurement within both the metric and customary systems.
				M7223	Independent Practice 2: Conversions	Independent Practice: Practice solving length, capacity, and weight problems converting units of measurement within both the metric and customary systems.
				M7224	Activity Quiz 2: Conversions	Assessment: Demonstrate understanding by solving length, capacity, and weight problems converting units of measurement within both the metric and customary systems.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
Graphing	This chapter addresses plotting points, identifying characteristics of points, the relationship between tables and graphs.					
		Ordered Pairs	Identify and plot ordered pairs in four quadrants and along the axes.			
				M7225	Instruction/Practice 1: Ordered Pairs	Instruction/Supported Practice: Learn and practice identifying and plotting ordered pairs in both the four quadrants and along the axes of a coordinate plane.
				M7226	Independent Practice 1: Ordered Pairs	Independent Practice: Practice identifying and plotting ordered pairs in both the four quadrants and along the axes of a coordinate plane.
				M7227	Activity Quiz 1: Ordered Pairs	Assessment: Demonstrate understanding by identifying and plotting ordered pairs in both the four quadrants and along the axes of a coordinate plane.
				M7228	Instruction/Practice 2: Ordered Pairs	Instruction/Supported Practice: Learn and practice identifying and plotting ordered pairs in both the four quadrants and along the axes of a coordinate plane.
				M7229	Independent Practice 2: Ordered Pairs	Independent Practice: Practice identifying and plotting ordered pairs in both the four quadrants and along the axes of a coordinate plane.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7230	Activity Quiz 2: Ordered Pairs	Assessment: Demonstrate understanding by identifying and plotting ordered pairs in both the four quadrants and along the axes of a coordinate plane.
		Quadrants	Identify quadrants and characteristics of points.			
				M7231	Instruction/Practice: Quadrants	Instruction/Supported Practice: Learn and practice identifying the four quadrants of a coordinate plane, the x- and y-axis, and characteristics of points.
				M7232	Activity Quiz: Quadrants	Assessment: Demonstrate understanding by identifying the four quadrants of a coordinate plane, the x- and y-axis, and characteristics of points.
		Tables and Graphs	Recognize correspondence between a set of points in a table and a set of points plotted in a coordinate plane.			
				M7233	Instruction/Practice: Tables and Graphs	Instruction/Supported Practice: Learn and practice recognizing the correspondence between a set of points in a table and a set of points plotted in a coordinate plane.
				M7234	Activity Quiz: Tables and Graphs	Assessment: Demonstrate understanding by recognizing the correspondence between a set of points in a table and a set of points plotted in a coordinate plane.
		Graph Real World Data	Represent real-world data using graphs.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7235	Instruction/Practice: Graph Real World Data	Instruction/Supported Practice: Learn and practice interpreting real world graphs and representing real world data using graphs.
				M7236	Activity Quiz: Graph Real World Data	Assessment: Demonstrate understanding by interpreting real world graphs and representing real world data using graphs.
		Function Tables and Graphs	Recognize whether a set of points given in a table or a graph represents a function.			
				M7237	Instruction/Practice: Function Tables and Graphs	Instruction/Supported Practice: Learn and practice recognizing whether a relation is a function when given a table or graph.
				M7238	Activity Quiz: Function Tables and Graphs	Assessment: Demonstrate understanding by recognizing whether a relation is a function when given a table or graph.
		Explore Points/Quadrants	Use the Coordinate Graphing tool to investigate the characteristics of points, lines and quadrants.			
				M7502	Supported Practice: Explore Points and Quadrants	Supported Practice: Practice using the Coordinate Graphing tool to investigate the characteristics or points, lines, and quadrants.
		Explore Inequalities	Use the Coordinate Graphing tool to investigate linear inequalities in two variables.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7504	Supported Practice: Explore Inequalities	Supported Practice: Practice using the Coordinate Graphing tool to investigate linear inequalities in two variables.
Linear Relationships	This chapter addresses interpreting graphs of linear equations.					
		Graph Linear Equations	Determine that the graph of a linear equation is a straight line.			
				M7239	Instruction/Practice 1: Graph Linear Equations	Instruction/Supported Practice: Learn and practice recognizing a linear equation as a straight line, naming a corresponding y-value when given an x-value and the linear equation, and, when given an equation, creating a table of ordered pairs and a graph of the line.
				M7240	Independent Practice 1: Graph Linear Equations	Independent Practice: Practice recognizing a linear equation as a straight line, naming a corresponding y-value when given an x-value and the linear equation, and, when given an equation, creating a table of ordered pairs and a graph of the line.
				M7241	Activity Quiz 1: Graph Linear Equations	Assessment: Demonstrate understanding by recognizing a linear equation as a straight line, naming a corresponding y-value when given an x-value and the linear equation, and, when given an equation, creating a table of ordered pairs and a graph of the line.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7242	Instruction/Practice 2: Graph Linear Equations	Instruction/Supported Practice: Learn and practice recognizing a linear equation as a straight line, naming a corresponding y-value when given an x-value and the linear equation, and, when given an equation, creating a table of ordered pairs and a graph of the line.
				M7243	Independent Practice 2: Graph Linear Equations	Independent Practice: Practice recognizing a linear equation as a straight line, naming a corresponding y-value when given an x-value and the linear equation, and, when given an equation, creating a table of ordered pairs and a graph of the line.
				M7244	Activity Quiz 2: Graph Linear Equations	Assessment: Demonstrate understanding by recognizing a linear equation as a straight line, naming a corresponding y-value when given an x-value and the linear equation, and, when given an equation, creating a table of ordered pairs and a graph of the line.
		Interpreting Real World Linear Graphs	Identify points on graphs of linear functions to answer questions about real world situations.			
				M7245	Instruction/Practice 1: Interpreting Real World Linear Graphs	Instruction/Supported Practice: Learn and practice identifying points on graphs of linear functions to answer questions about real world situations.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7246	Independent Practice 1: Interpreting Real World Linear Graphs	Independent Practice: Practice identifying points on graphs of linear functions to answer questions about real world situations.
				M7247	Activity Quiz 1: Interpreting Real World Linear Graphs	Assessment: Demonstrate understanding by identifying points on graphs of linear functions to answer questions about real world situations.
				M7248	Instruction/Practice 2: Interpreting Real World Linear Graphs	Instruction/Supported Practice: Learn and practice identifying points on graphs of linear functions to answer questions about real world situations.
				M7249	Independent Practice 2: Interpreting Real World Linear Graphs	Independent Practice: Practice identifying points on graphs of linear functions to answer questions about real world situations.
				M7250	Activity Quiz 2: Interpreting Real World Linear Graphs	Assessment: Demonstrate understanding by identifying points on graphs of linear functions to answer questions about real world situations.
		Explore Intercepts of Lines	Use the Coordinate Graphing tool to investigate x- and y-intercepts of lines.			
				M7503	Supported Practice: Explore Intercepts of Lines	Supported Practice: Practice using the Coordinate Graphing tool to investigate x- and y-intercepts of lines.
		Explore Rotation/Translation	Use the Coordinate Graphing tool to investigate rotations and translations of lines.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7505	Supported Practice: Explore Rotation and Translation	Supported Practice: Practice using the Coordinate Graphing tool to investigate rotations and translations of lines.
Probability	This chapter addresses odds, theoretical and experimental probabilities, and the probabilities of independent and dependent events.					
		Experimental Results	Obtain results using manipulatives and explain the difference between theoretical and experimental results.			
				M7251	Instruction/Practice: Experimental Results	Instruction/Supported Practice: Learn and practice explaining the difference between theoretical and experimental probability and finding theoretical and experimental probability in various situations.
				M7252	Activity Quiz: Experimental Results	Assessment: Demonstrate understanding by explaining the difference between theoretical and experimental probability and finding theoretical and experimental probability in various situations.
				OWM7252	Independent Practice: Compass Writer: Experimental and Theoretical Probability	Independent Practice: Compass Writer: Practice explaining how to find the probability an event will occur.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Probability	Calculate probabilities of independent and dependent events.			
				M7253	Instruction/Practice 1: Probability	Instruction/Supported Practice: Learn and practice calculating the probabilities of both independent and dependent events.
				M7254	Independent Practice 1: Probability	Independent Practice: Practice calculating the probabilities of both independent and dependent events.
				M7255	Activity Quiz 1: Probability	Assessment: Demonstrate understanding by calculating the probabilities of both independent and dependent events.
				M7256	Instruction/Practice 2: Probability	Instruction/Supported Practice: Learn and practice calculating the probabilities of both independent and dependent events.
				M7257	Independent Practice 2: Probability	Independent Practice: Practice calculating the probabilities of both independent and dependent events.
				M7258	Activity Quiz 2: Probability	Assessment: Demonstrate understanding by calculating the probabilities of both independent and dependent events.
		Odds	Compute odds of simple events.			
				M7259	Instruction/Practice 1: Odds	Instruction/Supported Practice: Learn and practice calculating the odds of simple events and understanding the difference between odds and probability.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7260	Independent Practice 1: Odds	Independent Practice: Practice calculating the odds of simple events and understanding the difference between odds and probability.
				M7261	Activity Quiz 1: Odds	Assessment: Demonstrate understanding by calculating the odds of simple events and understanding the difference between odds and probability.
				M7262	Instruction/Practice 2: Odds	Instruction/Supported Practice: Learn and practice calculating the odds of simple events and understanding the difference between odds and probability.
				M7263	Independent Practice 2: Odds	Independent Practice: Practice calculating the odds of simple events and understanding the difference between odds and probability.
				M7264	Activity Quiz 2: Odds	Assessment: Demonstrate understanding by calculating the odds of simple events and understanding the difference between odds and probability.
		Explore Flipping Coins	Use the Probability tool to investigate the difference between experimental and theoretical probability on coins.			
				M7507	Supported Practice: Explore Flipping Coins	Supported Practice: Practice using the Probability tool to investigate the difference between experimental and theoretical probability using coins.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Explore Number Cubes/Spinners	Use the Probability tool to investigate the difference between experimental and theoretical probability on number cubes and spinners.			
				M7508	Supported Practice: Explore Number Cubes and Spinners	Supported Practice: Practice using the Probability tool to investigate the difference between experimental and theoretical probability on number cubes and spinners.
Data and Statistics	This chapter addresses different data representations and the measures of central tendency.					
		Data Representations	Interpret and analyze data representations including circle, line, bar, histogram, stem-and-leaf, and box-and-whisker graphs.			
				M7265	Instruction/Practice 1: Data Representations	Instruction/Supported Practice: Learn and practice interpreting and analyzing data representations including circle graphs, line graphs, bar graphs, histograms, stem-and-leaf plots and box-and-whisker graphs.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7266	Independent Practice 1: Data Representations	Independent Practice: Practice interpreting and analyzing data representations including circle graphs, line graphs, bar graphs, histograms, stem-and-leaf plots and box-and-whisker graphs.
				M7267	Activity Quiz 1: Data Representations	Assessment: Demonstrate understanding by interpreting and analyzing data representations including circle graphs, line graphs, bar graphs, histograms, stem-and-leaf plots and box-and-whisker graphs.
				M7268	Instruction/Practice 2: Data Representations	Instruction/Supported Practice: Learn and practice interpreting and analyzing data representations including circle graphs, line graphs, bar graphs, histograms, stem-and-leaf plots and box-and-whisker graphs.
				M7269	Independent Practice 2: Data Representations	Independent Practice: Practice interpreting and analyzing data representations including circle graphs, line graphs, bar graphs, histograms, stem-and-leaf plots and box-and-whisker graphs.
				M7270	Activity Quiz 2: Data Representations	Assessment: Demonstrate understanding by interpreting and analyzing data representations including circle graphs, line graphs, bar graphs, histograms, stem-and-leaf plots and box-and-whisker graphs.
		Mean, Median and Mode	Calculate the range, mean, median, and mode of data from a table, chart, or graph.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				M7271	Instruction/Practice 1: Mean, Median and Mode	Instruction/Supported Practice: Learn and practice calculating the range, mean, median, and mode of data from a table, chart, or graph.
				M7272	Independent Practice 1: Mean, Median and Mode	Independent Practice: Practice calculating the range, mean, median, and mode of data from a table, chart, or graph.
				M7273	Activity Quiz 1: Mean, Median and Mode	Assessment: Demonstrate understanding by calculating the range, mean, median, and mode of data from a table, chart, or graph.
				M7274	Instruction/Practice 2: Mean, Median and Mode	Instruction/Supported Practice: Learn and practice calculating the range, mean, median, and mode of data from a table, chart, or graph.
				M7275	Independent Practice 2: Mean, Median and Mode	Independent Practice: Practice calculating the range, mean, median, and mode of data from a table, chart, or graph.
				M7276	Activity Quiz 2: Mean, Median and Mode	Assessment: Demonstrate understanding by calculating the range, mean, median, and mode of data from a table, chart, or graph.
		Apply Mean, Median and Mode	Apply and analyze measures of central tendency (mean, median, and mode).			
				M7277	Instruction/Practice: Apply Mean, Median and Mode	Instruction/Supported Practice: Learn and practice applying and analyzing measures of central tendency using stem-and-leaf plots.
				M7278	Activity Quiz: Apply Mean, Median and Mode	Assessment: Demonstrate understanding by applying and analyzing measures of central tendency using stem-and-leaf plots.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Technology	Use technology to analyze and create graphs given a data set.			
				M7279	Instruction/Practice: Technology	Instruction/Supported Practice: Learn and practice using technology to analyze and create box-and-whisker plots, circle graphs, and stem-and-leaf plots given a data set.
				M7280	Activity Quiz: Technology	Assessment: Demonstrate understanding by using technology to analyze and create box-and-whisker plots, circle graphs, and stem-and-leaf plots given a data set.
		Explore Mean/Median/Mode/Range	Use the Data Representation tool to develop the calculation of mean, median, mode and range.			
				M7510	Supported Practice: Explore Mean, Median, Mode, and Range	Supported Practice: Practice using the Data Representation tool to develop the calculation of mean, median, mode, and range.
		Explore Charts and Graphs	Use the Data Representation tool to investigate histograms, bar charts and circle graphs.			
				M7509	Supported Practice: Explore Charts and Graphs	Supported Practice: Practice using the Data Representation tool to investigate histograms, bar charts, and circle graphs.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
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.			
				MA79011	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.			
				MA79012	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.			
				MA79013	Instruction: Constructing Viable Arguments and Critiquing the Reasoning of Others	Instruction: Learn to construct viable arguments and critique the reasoning of others.
		Model with Mathematics	Students will model with mathematics.			
				MA79014	Instruction: Modeling with Mathematics	Instruction: Learn to model mathematical problems.
		Use Appropriate Tools Strategically	Students will use appropriate tools strategically.			
				MA79015	Instruction: Using Tools and Strategies to Solve Problems	Instruction: Using Tools and Strategies to Solve Problems
		Attend to Precision	Students will attend to precision.			
				MA79016	Instruction: Attending to Precision	Instruction: Learn to attend to precision.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Look for and Make Use of Structure	Students will look for and make use of structure.			
				MA79017	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.			
				MA79018	Instruction: Looking For and Expressing Regularity in 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.			
				MA79001	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.			
				MA79002	Instruction: Using a Problem-Solving Model	Instruction: Learn to use a problem-solving model.
		Select Appropriate Tools	Students will select appropriate tools.			
				MA79003	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.			
				MA79004	Instruction: Communicating Mathematical Ideas and Reasoning	Instruction: Learn to communicate mathematical ideas and to explain your reasoning.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Create and Use Representations	Students will create and use representations.			
				MA79005	Instruction: Creating and Using Representations	Instruction: Learn to create and use representations to solve problems.
		Analyze Relationships	Students will analyze relationships.			
				MA79006	Instruction: Analyzing Mathematical Relationships	Instruction: Learn to analyze mathematical relationships to solve problems.
		Use Precise Mathematical Language	Students will use precise mathematical language.			
				MA79007	Instruction: Displaying and Explaining Mathematical Ideas	Instruction: Learn to explain mathematical ideas using precise language and visual diagrams.
Practice	This chapter contains additional practice activities.					
		Add Whole Numbers	Add whole numbers to 100,000s with and without regrouping. Use columnar addition. Solve addition word problems.			
				76227	Instruction/Practice: Add Whole Numbers	Instruction/Supported Practice: Learn and practice adding up to the hundred thousands place using two to three numbers with regrouping and using addition skills to solve real world problems.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Subtract Whole Numbers	Subtract whole numbers to 100,000s with and without regrouping. Solve subtraction word problems.			
				76228	Instruction/Practice: Subtract Whole Numbers	Instruction/Supported Practice: Learn and practice subtracting up to the hundred thousands place with regrouping and using key words in word problems to solve real world subtraction problems.
		Multiply Whole Numbers	Multiply whole numbers with and without regrouping. Solve multiplication word problems. Decide what information needs to be found in word problems.			
				76229	Instruction/Practice: Multiply Whole Numbers	Instruction/Supported Practice: Learn and practice multiplying by one, two, and three digit numbers in numerical and real world problems.
		Divide Whole Numbers	Divide whole numbers with and without remainders. Solve division word problems. Find averages.			
				76230	Instruction/Practice: Divide Whole Numbers	Instruction/Supported Practice: Learn and practice dividing whole numbers with remainders and multiple digit dividends and divisors in numerical and real world problems.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Estimate Whole Numbers	Estimate sums, differences, and products by rounding numbers to specified place values. Use compatible numbers to estimate quotients.			
				76231	Instruction/Practice: Estimate Whole Numbers I	Instruction/Independent Practice: Learn and practice estimating sums, differences, products, and quotients by rounding each number to the greatest place value and using compatible numbers.
				76232	Estimate Whole Numbers II	Supported Practice: Practice estimating sums, differences, products, and quotients by rounding each number to the greatest place value and using compatible numbers.
		Prime/Composite/Factor	Learn to recognize prime and composite numbers. Make factor trees. Identify prime factors. Simplify using exponents.			
				76233	Instruction/Practice: Prime, Composite and Factor I	Instruciton/Independent Practice: Learn and practice recognizing and factoring prime and composite numbers.
				76234	Supported Practice: Prime, Composite, and Factor II	Supported Practice: Practice recognizing and factoring prime and composite numbers.
		Greatest Common Factor	Review prime factorization. Find the greatest common factor (GCF).			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76235	Instruction/Practice: Greatest Common Factor I	Instruction/Independent Practice: Learn and practice finding the greatest common factor in a fraction.
				76236	Supported Practice: Greatest Common Factor II	Supported Practice: Practice finding the greatest common factor in a fraction.
		Real Number Properties	Learn to classify numbers by properties.			
				76237	Instruction/Practice: Real Number Properties	Instruction/Supported Practice: Learn and practice classifying numbers by properties of real numbers, including rational, irrational, integers, and whole numbers.
		Add Integers	Review positive and negative values and number lines. Learn the rules and operations for adding integers. Add positive and negative integers.			
				76238	Instruction/Practice: Add Integers I	Instruction/Supported Practice: Learn and practice adding positive and negative integers with the same sign and with different signs.
				76239	Independent Practice: Add Integers II	Independent Practice: Practice adding positive and negative integers with the same sign and with different signs.
		Subtract Integers	Review positive and negative values. Convert subtraction problems by using opposite signs. Subtract integers.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76240	Instruction/Practice: Subtract Integers	Instruction/Independent Practice: Learn and practice subtracting positive and negative integers with the same sign and with different signs.
		Multiply/Divide Integers	Learn the rules for positive and negative signs. Multiply and divide integers.			
				76241	Instruction/Practice: Multiply and Divide Integers	Instruction/Independent Practice: Learn and practice multiplying and dividing positive and negative integers with the same sign and with different signs.
		Order of Operations	Learn the order of operations. Evaluate expressions. Apply the order of operations rules from left to right.			
				76242	Instruction/Practice: Order of Operations I	Instruction/Independent Practice: Learn and practice evaluating expressions by applying the algebraic order of operations.
				76243	Supported Practice: Order of Operations II	Supported Practice: Practice evaluating expressions by applying the algebraic order of operations.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Compare/Order Decimals	Learn to align decimal numbers at the decimal point to compare. Compare numbers by aligning decimal points (tenths, hundredths, thousandths). Use greater than and less than to compare decimals. Order decimal numbers from least to greatest and from greatest to least.			
				76244	Instruction/Practice: Compare and Order Decimals	Instruction/Independent Practice: Learn and practice aligning decimal numbers at the decimal point to compare, comparing numbers by aligning decimal points, using greater than and less than to compare decimals, and ordering decimal numbers from least to greatest and from greatest to least.
		Multiply Decimal Numbers	Multiply decimal numbers. Place the decimal point in a product. Add zeros to decimal products.			
				76245	Instruction/Practice: Multiply Decimal Numbers	Instruction/Independent Practice: Learn and practice multiplying decimals up to the thousandths place.
		Divide Decimal Numbers	Divide decimal numbers. Find averages. Shift the decimal point in the divisor and the dividend. Place the decimal point in a quotient.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76246	Instruction/Practice: Divide Decimal Numbers I	Instruction/Independent Practice: Learn and practice dividing decimals.
				76247	Supported Practice: Divide Decimal Numbers II	Supported Practice: Practice dividing decimals.
		Estimate Fractions	Estimate sums and differences of mixed numbers and fractions. Round mixed numbers and fractions. Compare fractions.			
				76248	Instruction/Practice: Estimate Fractions I	Instruction/Independent Practice: Learn and practice estimating sums and differences of fractions.
				76249	Supported Practice: Estimate Fractions II	Supported Practice: Practice estimating sums and differences of fractions.
		Add/Subtract Fractions	Learn steps for adding and subtracting fractions. Find the least common denominator (LCD). Add and subtract fractions. Simplify answers.			
				76250	Instruction/Practice: Add and Subtract Fractions	Instruction/Independent Practice: Learn and practice adding and subtracting like and unlike fractions, then simplifying.
		Add/Subtract Mixed Numbers	Learn steps to add and subtract mixed numbers. Convert mixed numbers to improper fractions. Regroup fractions to subtract. Simplify answers.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76251	Instruction/Practice: Add and Subtract Mixed Numbers	Instruction/Independent Practice: Learn and practice adding and subtracting mixed numbers by finding the lowest common denominator.
		Multiply Mixed Numbers	Multiply mixed numbers and fractions. Make improper fractions before multiplying. Learn crossing out shortcut. Find the greatest common factor (GCF) in mixed numbers and fractions.			
				76252	Instruction/Practice: Multiply Mixed Numbers	Instruction/Independent Practice: Learn and practice multiplying mixed numbers by turning a whole number into an improper fraction, then simplifying.
		Divide Whole Numbers Fractions	Divide whole numbers by fractions. Find the reciprocals of divisors. Rewrite fraction division problems as multiplication by using the reciprocals of the divisors. Multiply by reciprocals.			
				76253	Instruction/Practice: Divide Whole Numbers by Fractions	Instruction/Independent Practice: Learn and practice dividing whole numbers by fractions by finding the reciprocal and then multiplying.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76254	Supported Practice: Divide Whole Numbers by Fractions II	Supported Practice: Practice dividing whole numbers by fractions by finding the reciprocal and then multiplying.
		Divide by Fractions	Divide by fractions. Find the reciprocals of divisors. Rewrite fraction division problems as multiplication by using the reciprocals of the divisors. Multiply by reciprocals.			
				76255	Instruction/Practice: Divide by Fractions	Instruction/Independent Practice: Learn and practice dividing one fraction by another fraction.
		Solve Proportions	Learn to set up and label proportions. Solve proportions by using cross products. Restate solutions. Solve word problems using proportions.			
				76256	Instruction/Practice: Solve Proportions I	Instruction/Independent Practice: Learn and practice solving proportions by using ratios and multiplication to solve simple proportions and word problems.
				76257	Supported Practice: Solve Proportions II	Supported Practice: Practice solving proportions by using ratios and multiplication to solve simple proportions and word problems.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Sales Tax and Discount	Convert problems to proportions. Learn to calculate discount, sales tax, increase, and decrease. Restate solutions.			
				76258	Instruction/Practice: Sales Tax and Discount I	Instruction/Independent Practice: Learn and practice computing sales tax, discount, percent increase, and percent decrease using proportions.
				76259	Supported Practice: Sales Tax and Discount II	Supported Practice: Practice computing sales tax, discount, percent increase, and percent decrease using proportions.
		Solve Using Add/Subtract	Isolate the unknown in equations. Solve by using addition and subtraction. Check by substitution.			
				76260	Instruction/Practice: Solve Using Add and Subtract	Instruction/Independent Practice: Learn and practice solving one-step algebraic equations using addition and subtraction.
		Solve 2-Step Equations	Learn the order of operations for two-step equations. Solve equations. Check by substitution.			
				76261	Instruction/Practice: Solve 2-Step Equations	Instruction/Independent Practice: Learn and practice solving multi-step algebraic equations.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Graph Sentences	Review the number line. Solve inequalities. Learn to graph sentences. Check work by substituting answers for the unknown.			
				76262	Instruction/Practice: Graph Sentences I	Instruction/Independent Practice: Learn and practice solving inequalities and graphing them on a number line.
				76264	Supported Practice: Graph Sentences II	Supported Practice: Practice solving inequalities and graphing them on a number line.
		Graph Equations	Understand coordinate graphs. Find x- and y-values. Write ordered pairs. Graph equations.			
				76263	Instruction/Practice: Graph Equations I	Instruction/Supported Practice: Learn and practice graphing an equation on a coordinate plane.
				76265	Independent Practice: Graph Equations II	Independent Practice: Practice graphing an equation on a coordinate graph.
		Measure Angles	Learn to recognize types of angles. Use a protractor to measure angles. Calculate complementary and supplementary angles.			
				76266	Instruction/Practice: Measure Angles	Instruction/Independent Practice: Learn and practice identifying acute, right, obtuse, adjacent, complementary, and supplementary angles and measuring angles using a protractor.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Lines and Angles	Learn angle relationships. Calculate angle measurements.			
				76267	Instruction/Practice: Lines and Angles	Instruction/Independent Practice: Learn and practice identifying angle relationships and calculating angle measures when parallel lines are crossed by a transversal.
		Polygons	Learn to recognize types of polygons. Recognize regular and irregular polygons. Learn the types of quadrilaterals. Find the number of triangles in a polygon and the sum of interior angles.			
				76268	Instruction/Practice: Polygons	Instruction/Independent Practice: Learn and practice identifying regular and irregular polygons and calculating the sum of their interior angles.
		Congruent/Similar Figures	Understand congruence and similarity. Identify corresponding vertices, sides, and angles. Find missing measures for congruent and similar figures.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76269	Instruction/Practice: Congruent and Similar Figures	Instruction/Independent Practice: Learn and practice recognizing both congruent and similar figures, identifying corresponding parts of congruent and similar figures, and finding missing angle and side measures for congruent and similar figures using proportions.
		Pythagorean Theorem	Learn the Pythagorean theorem. Calculate the length of the hypotenuse or the legs. Determine whether given measurements form a right triangle.			
				76270	Instruction/Practice: Pythagorean Theorem I	Instruction/Independent Practice: Learn and practice using the Pythagorean Theorem to calculate the length of the hypotenuse or the legs of a right triangle.
				76271	Supported Practice: Pythagorean Theorem II	Supported Practice: Practice using the Pythagorean Theorem to calculate the length of the hypotenuse or the legs of a right triangle.
		Perimeter and Area	Learn the formulas for perimeter. Simplify the formulas for perimeter. Learn the formulas for area. Calculate perimeter and area.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76272	Instruction/Practice: Perimeter and Area	Instruction/Independent Practice: Learn and practice calculating the perimeter and/or area of a given figure such as a rectangle, square, triangle, parallelogram, or trapezoid.
		Circumference and Area	Learn the formulas for circumference and area. Calculate circumference and area.			
				76273	Instruction/Practice: Circumference and Area	Instruction/Independent Practice: Learn and practice finding the circumference and/or area of a circle.
		Surface Area	Explore surface area. Calculate the surface area of cubes, pyramids, cylinders, and prisms.			
				76274	Instruction/Practice: Surface Area I	Instruction/Independent Practice: Learn and practice finding the surface area of a given figure and understanding nets.
				76275	Supported Practice: Surface Area II	Supported Practice: Practice finding the surface area of a given figure and understanding nets.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Customary Units	Understand customary units conversion charts. Learn to convert customary measurements. Add and subtract customary measurements. Regroup and simplify customary measurement amounts.			
				76276	Instruction/Practice: Customary Units	Instruction/Independent Practice: Learn and practice converting customary units of measurement and adding and subtracting customary units with conversions.
		Word Problems: Customary	Use a 5-step strategy to solve customary measurement word problems. Convert units of customary measurements.			
				76277	Instruction/Practice: Word Problems: Customary	Instruction/Independent Practice: Learn and practice converting customary units of measurement and adding and subtracting and solving real world problems involving customary units with conversions.
		Metric Units	Learn metric units of length, capacity, and weight. Learn to relate metric units. Convert metric measurements.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76278	Instruction/Practice: Metric Units I	Instruction/Independent Practice: Learn and practice comprehending metric units of measure and converting metric measurements.
		Word Problems: Metric	Use a 5-step strategy to solve metric measurement word problems. Convert units of metric measurement.			
				76279	Instruction/Practice: Word Problems: Metric	Instruction/Independent Practice: Learn and practice comprehending metric units of measure and solving real world problems involving converting metric measurements.
		Misleading Statistics	Learn to examine misleading and incomplete graphs.			
				76280	Instruction/Practice: Misleading Statistics	Instruction/Independent Practice: Learn and practice recognizing misleading statistics by answering important questions about the data that is presented.
		Read and Make Bar Graphs	Create bar graphs from given data. Interpret information in bar graphs.			
				76281	Instruction/Practice: Read and Make Bar Graphs	Instruction/Independent Practice: Learn and practice interpreting data and then creating a bar graph and how to read data from a bar graph.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Broken-Line Graphs	Create broken-line graphs from given data. Label horizontal and vertical axes. Interpret information in broken-line graphs.			
				76282	Instruction/Practice: Broken-Line Graphs	Instruction/Independent Practice: Learn and practice interpreting data and then creating a broken-line graph and how to read data from a broken-line graph.
		Read and Make Circle Graphs	Create circle graphs from given data. Interpret information in circle graphs.			
				76283	Instruction/Practice: Read and Make Circle Graphs	Instruction/Independent Practice: Learn and Practice interpreting data and then creating a circle graph and how to read data from a circle graph.
		Stem-and-Leaf Plots	Learn to create stem-and-leaf plots. Interpret plots. Find mode and median.			
				76284	Instruction/Practice: Stem-and-Leaf Plots	Instruction/Independent Practice: Learn and practice entering data into a stem-and-leaf plot chart and how to read data from a stem-and-leaf plot chart.
		Box-and-Whisker Plots	Identify extremes, quartiles, median, and range of ordered sets. Graph box-and-whisker plots. Interpret box-and-whisker plots.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76285	Instruction/Practice: Box-and-Whisker Plots	Instruction/Independent Practice: Learn and practice entering data into a box-and-whisker plot chart and how to read data from a box-and-whisker plot chart.
		Independent Events	Learn the fundamental counting principle. Understand probability and independent events. Calculate the probability for single events and independent events.			
				76286	InstructionPractice: Independent Events I	Instruction: Learn how to determine the probability of an independent event.
				76287	Independent Practice: Independent Events II	Independent Practice: Practice determining the probability of an independent event.
		Dependent Events	Understand dependent events. Change data without replacement for dependent events. Learn to calculate the probability of dependent events. Use shortcuts to solve equations.			
				76288	Instruction: Dependent Events I	Instruction: Learn how to determine the probability of a dependent event.
				76289	Independent Practice: Dependent Events II	Independent Practice: Practice determining the probability of a dependent event.

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
		Permutations	Understand permutations. Learn factorial notation and P notation. Calculate the number of permutations.			
				76290	Instruction/Practice: Permutations	Instruction/Independent Practice: Learn and practice calculating the number of permutations in a given set and in a subset.
		Number Combinations	Review strategies to solve a problem. Solve a problem using all possibilities, a table, and patterns.			
				76291	Supported/Independent Practice: Number Combinations	Supported/Independent Practice: Practice solving to find the arrangement of digits that yields the highest value and recognizing the pattern of the arrangement.
		Number Expansion	Review strategies to solve a problem. Solve a problem using a simpler problem, drawings, a table, and patterns.			
				76292	Supported/Independent Practice: Number Expansion	Supported/Independent Practice: Practice solving word problems using systematic strategies to find your answer.
		Number Sequences	Review strategies to solve a problem. Solve a problem by finding a pattern and guessing.			

Math 7: Scope and Sequence

Chapter Title	Chapter Description	Lesson Title	Lesson Description	Activity Code	Activity Title	Activity Description
				76293	Supported/Independent Practice: Number Sequences	Supported/Independent Practice: Practice solving to find patterns in numbers using problem solving strategies.
		Area	Review strategies to solve a problem. Solve a problem by using a table, drawings, and guessing.			
				76294	Supported/Independent Practice: Area	Supported/Independent Practice: Practice solving a word problem involving metric units using problem solving strategies.
		Probability	Solve a problem using a table.			
				76295	Supported/Independent Practice: Probability	Supported/Independent Practice: Practice solving a problem using a table and problem solving strategies.