## Southern York County School District

## One Warrior at a Time

Course/Subject	t: Math Comp	rehensive	Grade Leve	el: 5		
Textbook(s)/Mater	ials Used: Ready F	Pennsylvania Ma	th Instruction, Practice Problem S	olving, Assessmer	nt, i-Ready Diagn	ostic & Instruction
Month(s): August	- September		Unit 1			
Number and Opera	ations in Base Ten					
<u>Big Idea</u>	<u>Standard</u>	Eligible Content	Essential Questions & Lesson Essential Question	<u>Concepts</u>	Vocabulary	<u>Competencies</u>
Mathematical relationships among numbers can be represented, compared, and communicated. Mathematical relationships can be represented as expressions, equations, and inequalities in mathematical situations Numerical quantities, calculations, and measurements can be estimated or analyzed by using appropriate strategies and tools.	Lesson 0 Think-Share- Compare Routine **Online only** 4.NBT.A.2 Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form. Compare two multi-digit numbers based on meanings of the digits in each place, using <, =, and > symbols to record the results of comparisons. 4.NF.C.5		Lesson 0Routine ObjectivesUse best practices during a <i>Ready</i> mathematics lesson.Identify and explain models or strategies used to solve problems.Critique and compare solution strategies of others and those provided in <i>Ready</i> .Use math talk practices to efficiently share and compare strategies for solving problems.Apply math knowledge and modeling techniques to new, similar problems.Math Objectives Compare multi-digit numbers in order to solve word problems.	Place Value and Properties of Operations Decimals	Greater Than Symbol Less Than Symbol Tenths Hundredths Equivalent Fractions Base Ten Decimal Place Value Exponent Power of Ten Inverse Operations Tenth	

relationships that can be extended, described, and generalized.	respective denominators 10 and 100. 4.NF.C.5 Compare two decimals to hundredths by reasoning about their size.	M05.A-T.1.1.1 Demonstrate an understanding that in a multi- digit number, a digit in one place represents 1/10 of what it represents in the place to its left.	Add two fractions with denominators of 10 and 100. Solve word problems involving comparisons of tenths and hundredths decimals. Lesson 1 Content Objectives Recognize that place value in a decimal number is based on the same base-ten concepts as whole numbers. Identify the value of a digit in a number as 10 times the value it would have in the place to its right and 1/10 the value it would have in the place to its left. Language Objectives Name the place value of each digit in decimals to the thousandths place. Show decimal numbers with base ten blocks or diagrams. Tell how the value of a digit changes when it moves one place to the left or right. Write a decimal number with a value that is 10 times a given number, or 1/10 of a given number.		Hundredth Thousandth Expanded Form To Estimate Compare Greater Than Symbol (>) Less Than Symbol (>) Place Value Distributive Property Factor Product Partial Products Division Divisor Dividend Quotient		
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	M05.A-T.1.1.2	<u>Lesson 2</u>	Partial	
	Explain	Contant Objectives	Quotient	
	patterns in the	Content Objectives	Curre	
	number of	Explain the relationship	Sum	
	zeros of the	between the values of	D://	
	product when	numbers when multiplying or	Difference	
	multiplying a	dividing by powers of 10.		
•	number by		Equation	
	powers of 10	Explore the placement of the		
•	and explain	decimal point when multiplying		
•	patterns in the	or dividing a decimal by a		
0	placement of	power of 10.		
	the decimal			
	point when a	Use exponents to denote		
	decimal is	powers of 10.		
	multiplied or			
	divided by a	Language Objectives		
	power of 10.	Record and extend place-		
	Use whole-	value patterns using models		
	number	and equations.		
	exponents to			
	denote	Use language of equivalent		
	powers of 10.	fractions to describe equivalent		
		decimals.		
		Record decimals in place-		
		value charts to show the effect		
		of multiplying or dividing by a		
		power of 10.		
		Read powers of 10 written with		
		exponents.		
		Write powers of 10 using		
		exponents.		
	M05.A-T.1.1.3	Lesson 3		
	Read and			
	write decimals	Content Objectives		
	to	Read decimals to the		
	thousandths	thousandths place using base-		

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using base- ten numerals, word form,	ten numerals, number names, and expanded form.		
and expanded	Write decimals to the		
form.	thousandths place using base-		
-	ten numerals, number names,		
	and expanded form.		
	Language Objectives		
	Read aloud decimals to the		
	thousandths place written with		
	base-ten numerals, number		
	names, and expanded form.		
	Write desimple to the		
	Write decimals to the		
	thousandths place using base- ten numerals, number names,		
	and expanded form.		
	Read decimals in real-world		
	problem situations.		
	Justify conclusions and		
	communicate the conclusions		
	to others.		
	Lessen 4		
M05.A-T.1.1.4 Compare two	<u>Lesson 4</u>		
decimals to	Content Objectives		
thousandths	Use >, <, and = to compare		
based on	decimals to the thousandths		
meanings of	place.		
the digits in			
each place	Use place-value relationships		
	to round decimals to the		
< symbols.	nearest thousandth,		
	hundredth, tenth, and whole		
M05.A-T.1.1.5	number.		
Round			
decimals to	Language Objectives		
any place			

(limit rounding to ones, tenths, hundredths, or thousandths place).	Compare two decimals to the thousandths place using a variety of strategies. Write inequality statements to compare two decimals using >,<, and = symbols. Write decimals rounded to the nearest thousandth, hundredth, tenth, and whole number.		
M05.A-T.2.1.1	<ul> <li>Lesson 5</li> <li>Content Objectives</li> <li>Multiply three-digit numbers by two- and three-digit numbers.</li> <li>Use the distributive property to break apart factors in order to solve multi-digit multiplication problems.</li> <li>Use the standard algorithm to solve multi-digit multiplication problems with whole numbers.</li> <li>Language Objectives</li> <li>Define partial products and use the term in a discussion with a partner.</li> <li>Draw an area model to represent a multi-digit multiplication problem and discuss its relationship problem and discuss its</li> </ul>		

	M05.A-T.2.1.3 Add, subtract, multiply, and divide decimals to hundredths (no divisors with decimals).	<ul> <li>Lesson 7 Content Objectives Add decimals to hundredths.</li> <li>Subtract decimals to hundredths.</li> <li>Explain how to add and subtract decimals to hundredths.</li> <li>Language Objectives Draw base-ten models to show decimal addition and subtraction.</li> <li>Explain a model's relationship to the decimal addition or subtraction problem and to the result.</li> <li>Orally discuss adding or</li> </ul>		
		subtracting like place values of decimal numbers using expanded word form of the numbers.		
		Lesson 8 Content Objectives		
		Multiply decimals to hundredths.		
		Explain how to multiply decimals to hundredths.		
		Language Objective Draw an area model to multiply decimals and explain the model's relationship to the factors and the product.		

Estimate the product of decimals and justify using place value reasoning. Predict the relationship between an estimated product	
and a calculated product.	
<b>Content Objectives</b> Divide decimals to hundredths.	
Explain how to divide decimals to hundredths.	
Language Objectives Describe orally how use multiplication to understand a division problem.	
Estimate the quotient of decimals and justify using place value reasoning.	
Predict the relationship between an estimated quotient and a calculated quotient.	
How is mathematics used to quantify, compare, represent, and model numbers?	
How can mathematics support effective communication?	
How are relationships represented mathematically?	

			<ul> <li>What does it mean to estimate or analyze numerical quantities?</li> <li>When is it is appropriate to estimate versus calculate?</li> <li>What makes a tool and/or strategy appropriate for a given task?</li> <li>How can patterns be used to describe relationships in mathematical situations?</li> </ul>			
Month(s): October	r - November		Unit 2			
Number and Opera	ations - Fractions					
<u>Big Idea</u>	<u>Standard</u>	<u>Eligible</u> <u>Content</u>	Essential Questions & Lesson Essential Question	<u>Concepts</u>	<u>Vocabulary</u>	<u>Competencies</u>
Mathematical relationships among numbers can be represented, compared, and communicated. Mathematical relationships can be represented as expressions, equations, and inequalities in mathematical situations. Numerical	CC.2.1.5.C.1 Use the understanding of equivalency to add and subtract fractions.	M05.A-F.1.1.1 Add and subtract fractions (including mixed numbers) with unlike denominators. (May include multiple methods and representa- tions.)	Lesson 10 Content Objectives Given two fractions with unlike denominators, write equivalent fractions with a common denominator. Use visual models to represent adding and subtracting fractions with unlike denominators. Use equivalent fractions to add and subtract fractions and mixed numbers with unlike denominators.	Fractions	Numerator Denominator Equivalent Fractions Common Denominator Benchmark Fraction Fraction Quotient Unit Fraction	Add, Subtract, Multiply and Divide fractions to solve problems. Explain operations as they pertain to fractions.

quantities,	Language Objectives		
calculations, and	Define common denominator and use the term in a	Product	
measurements can be estimated	discussion with a partner.	Factor	
or analyzed by		_	
using appropriate strategies and	Draw area models or number lines to show a sum or	Area	
tools.	difference of fractions with	Scaling	
	unlike denominators.		
	Rewrites sums or differences	Perimeter	
	of fractions with unlike		
	denominators as sums or		
	differences with like denominators using equivalent		
	fractions.		
	Lesson 11		
	Content Objectives		
	Add and subtract fractions and mixed numbers with unlike		
	denominators in order to solve		
	word problems.		
	Use benchmark fractions to		
	estimate fraction sums and		
	differences.		
	Use estimation to check		
	whether a solution is		
	reasonable.		
	Language Objectives		
	Draw diagrams or write		
	equations to represent word problems involving fraction		
	addition or subtraction.		
	Estimate sums and differences		
	of fractions and justify by		

Multiply a Content Object
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numbers) by a       Use visual fraction models to multiply a whole number by a fraction.         Orally explain terms such as one half of or one fourth of as multiplying by ½ or ¼.         Create area models to illustrate the meaning of multiplying fractions and explain the model's relationship to both factors and the product.         Critique other students reasoning about fraction multiplying its both factors and the product.         Critique other students reasoning about fraction multiplication.         Lesson 14         Content Objectives         Find the area of rectangles with fractional side lengths by tiling the area of rectangles with fractional side lengths by multiplying side lengths.         Show that the number of unit squares.         Show that the product of the area side lengths is the same as the product of the side lengths.			<ul> <li>multiply a whole number by a fraction.</li> <li>Orally explain terms such as one half of or one fourth of as multiplying by ½ or ¼.</li> <li>Create area models to illustrate the meaning of multiplying fractions and explain the model's relationship to both factors and the product.</li> <li>Critique other students reasoning about fraction multiplication.</li> <li>Lesson 14</li> <li>Content Objectives</li> <li>Find the area of rectangles with fractional side lengths by tiling the area with unit squares.</li> <li>Find the area of rectangles with fractional side lengths by multiplying side lengths.</li> <li>Show that the number of unit squares that tile a rectangle with fractional side lengths is the same as the product of the side lengths.</li> </ul>				
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M05.A-F.2.1.3 Demonstrate an understanding of multiplication as scaling (resizing).	g expression as a quantity and a resizing factor.	
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Predict how the size of the factors will affect the product, and explain why this makes sense.	
Predict the results of multiplying a number by 1, by a factor greater than 1, and by a factor less than 1.	
Lesson 16	
<b>Content Objectives</b> Represent real-world problems involving multiplication of fractions and mixed numbers using visual models and equations.	
Solve real-world problems involving multiplication of fractions and mixed numbers using visual models and equations.	
Language Objectives Draw pictures to represent word problems involving multiplication of fractions and mixed numbers.	
Write equations to represent word problems involving multiplication of fractions.	
Compare a visual model and an equation that both represent the same problem situation.	

	M05.A-F.2.1.4 Divide unit fractions by whole numbers and whole numbers by unit fractions.	<ul> <li>Lesson 17</li> <li>Content Objectives Identify situations that involve dividing a unit fraction by a whole number.</li> <li>Identify situations that involve dividing a whole number by a unit fraction.</li> <li>Use a visual fraction model to find the quotient of a unit fraction divided by a whole number or the quotient of a whole number divided by a unit fraction.</li> <li>For a given division equation with a unit fraction and a whole number, use the relationship between multiplication and division to write a related multiplication equation.</li> <li>Language Objectives Divide a whole number by a unit fraction using common denominators.</li> <li>Draw a model to illustrate using multiplication to find the quotient of a whole number and a unit fraction.</li> </ul>		
		Lesson 18 Represent and solve real- world problems involving division of unit fractions by whole numbers using visual fraction models and equations.		

Represent and solve real-world problems involving division of whole numbers by unit fractions using visual fraction models and equations.         Language Objectives         Draw visual models to represent word problems
involving division with unit fractions.
Write equations to represent word problems involving division with unit fractions.
Describe the relationship between a visual model and an equation that both represent the same problem situation.
How is mathematics used to quantify, compare, represent, and model numbers?
How can mathematics support effective communication?
How are relationships represented mathematically?
What does it mean to estimate or analyze numerical quantities?
What makes a tool and/or strategy appropriate for a given task?

Month(s): December - January			Unit 3			
Operations and Al	gebraic Thinking					
<u>Big Idea</u>	<u>Standard</u>	Eligible Content	Essential Questions & Lesson Essential Question	<u>Concepts</u>	Vocabulary	<u>Competencies</u>
Mathematical relationships among numbers can be represented, compared, and communicated. Mathematical relationships can be represented as expressions, equations, and inequalities in mathematical situations. Patterns exhibit relationships that can be extended, described, and generalized.	CC.2.2.5.A.1 Interpret and evaluate numerical expressions using order of operations.	M05.B- O.1.1.1 Use multiple grouping symbols (parentheses, brackets, or braces) in numerical expressions and evaluate expressions containing these symbols. 5.B-O.1.1.2 Write simple expressions that model calculations with numbers and interpret numerical expressions without evaluating them. M05.B-	<ul> <li>Lesson 19</li> <li>Content Objectives Evaluate expressions containing grouping symbols.</li> <li>Write numerical expressions containing grouping symbols.</li> <li>Interpret numerical expressions without evaluating them.</li> <li>Language Objectives Insert parentheses into an expression to change the value of the expression.</li> <li>Read aloud and evaluate expressions that use grouping symbols.</li> <li>Write numerical expressions based on verbal expressions.</li> <li>Accurately use the key terms evaluate, expression, parentheses, brackets, and braces in discussions with others.</li> <li>Lesson 20</li> </ul>	Numerical Expressions Orders of Operations Patterns	Evaluate Parentheses Brackets Braces Corresponding Terms Relationship Rule Numerical Expression Ordered Pair Coordinate Plane Origin X-axis Y-axis X-coordinate Y-coordinate	Write and interpret numerical expressions. Evaluate expressions using the order of operations. Generate, analyze, and compare patterns.
	CC.2.2.5.A.4	M05.B- O.2.1.1	Lesson 20			

Analyze p		Content Objectives		
and relati		Generate a numerical pattern		
using two		given a rule.		
	two given			
	rules	Identify relationships between		
		corresponding terms of two		
	M05.B-	patterns.		
	0.2.1.2			
	Identify	Plot corresponding terms of		
	apparent	two patterns as ordered pairs		
	relationships	in the first quadrant of the		
	between	coordinate plane.		
	corresponding			
	terms of two	Language Objectives		
	patterns with	Describe the mathematical		
	the same	relationship between		
	starting	corresponding terms of two		
	numbers that	number patterns.		
	follow different			
	rules.	Create a sequence of numbers		
		based on a given verbal rule.		
		Locate on a coordinate plane		
		the point named by an ordered		
		pair of numbers, and name a		
		point on a coordinate plane		
		with an ordered pair of		
		numbers.		
		How is mathematics used to		
		quantify, compare, represent,		
		and model numbers?		
		How can mathematics support		
		effective communication?		
		How can expressions,		
		equations, and inequalities be		
		used to quantify, solve, model,		
		and/or analyze mathematical		
		situations?		

			How can patterns be used to describe relationships in mathematical situations? How can recognizing repetition or regularity assist in solving problems more efficiently?			
Month(s): Februar	y - March		Unit 4			
Measurement and	Data					
<u>Big Idea</u>	<u>Standard</u>	<u>Eligible</u> <u>Content</u>	Essential Questions & Lesson Essential Question	<u>Concepts</u>	<u>Vocabulary</u>	<u>Competencies</u>
Geometric relationships can be described, analyzed, and classified based on spatial reasoning and/or visualization. Numerical quantities, calculations, and measurements can be estimated or analyzed by using appropriate strategies and tools. Measurement attributes can be quantified, and estimated using	CC.2.4.5.A.1 Solve problems using conversions within a given measurement system.	M05.D- M.1.1.1 Convert between different sized measurement units within a given measurement system.	Lesson 21 Content Objectives Convert from a larger unit of measurement to a smaller unit of measurement within the same measurement system. Convert from a smaller unit of measurement to a larger unit of measurement within the same measurement system. Language Objectives List the mathematical relationship between measurement units within the same system: for example cups, pints, quarts, and gallons, or centimeters, meters, and kilometers.	Volume and Three- Dimensional Solids Measurement Data Displays	Convert Metric System Customary System Units of length Units of length Units of length Units of Mass Units of Mass Units of Weight Distribution Line Plot Scale	Apply concepts of volume to solve problems. Relate volume to multiplication and to addition. Solve problems using simple conversions. Organize and display data in order to answer questions. Represent and interpret data using appropriate scale.

customary and non-customary units of measure.			Record conversions between different-sized measurement units.	Data Pictograph	Solve problems involving computations with
Mathematical relations and			Lesson 22	Symbol	fractions using information obtained from data
functions can be modeled through			Content Objectives Convert units of measurement	Tally Chart	displays.
multiple			within a given measurement system to solve multi-step	X-Axis	
and analyzed to raise and answer			word problems.	Y-Axis	
questions.			Language Objectives Draw diagrams or write	Range	
Data can be modeled and used			equations to represent word problems involving different-	Bar Graph	
to make inferences.			sized measurement units.	Line Graph	
	CC.2.4.5.A.2 Represent and	M05.D- M.2.1.1	Lesson 23	Plane Figure	
	interpret data using	Solve problems	<b>Content Objectives</b> Create a line plot that displays	Solid Figure	
	appropriate scale.	involving computation	measurement data that has fractional units.	Volume	
	CC.2.4.5.!.4	of fractions by using	Use a line plot to solve word	Cubic Unit	
	Solve problems involving	information presented in	problems about measurement data given in fractional units.	Rectangular Prism	
	computation of fractions using	line plots.	Analyze data shown on a line	Area	
	information provided in a line	M05.D- M.2.1.2	plot.	Perimeter	
	plot.	Display and interpret data	Language Objectives Create a line plot to present	Formula	
		shown in tallies, tables,	measurement data.	Square Unit	
		charts, pictographs,	Analyze measurement data shown on a line plot.		
		bar graphs, and line graphs, and	Communicate precisely with others about conclusions		

		use a title, appropriate scale, and labels. A grid will be provided to display data on bar graphs or line graphs.	drawn from data shown in line plots. Lesson 23A Content Objectives Choose a scale for a pictograph based on a data set. Create a pictograph with appropriate scale and symbols. Use pictographs to solve problems. Record answers to problems. Language Objectives Define the terms pictograph. Analyze data found in a pictograph. Communicate accurately and effectively about the conclusions drawn from data in a given pictograph. Lesson 23B Content Objectives Choose x- and y-axes categories for a bar graph based on a data set. Find appropriate scales for data on bar charts. Create a bar graph.			
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CC.2.4.5.A.5	M05.D-	Use bar graphs to solve word problems.Language Objectives Define the terms bar graph.Describe the use and purpose of a bar graph.Analyze data found in a bar graph.Communicate accurately and effectively about the conclusions drawn from data in a given bar graph.Lesson 23CContent Objectives Make line graphs to display data using titles, appropriate scales, and labels.Interpret data shown on line graphs.Write titles and label axes on line graphs.Write titles and label axes on line graphs.Describe trends shown by line graphs.Lesson 24		
CC.2.4.5.A.5 Apply concepts of volume to solve problems	M05.D- M.3.1.1 Apply the formulas V=I x	<u>Lesson 24</u> Content Objectives		

and relate volume to multiplication and to addition.	w x h and V=B x h for rectangular prisms to find volumes of right rectangular prisms with whole-number edge lengths in the context of solving real-world and mathematical problems.	Understand the concept of volume as an attribute of solid figures. Find the volume of rectangular prisms with whole number side lengths by counting unit cubes. Use addition and multiplication to find the total number of unit cubes in order to find the volume of a rectangular prism. <b>Language Objectives</b> Describe orally or in writing the connection between volume, layers, and unit cubes filling a rectangular prism. Summarize similarities and differences between volume and area, and between volume and area, and between cubic units and square units. <b>Lesson 25</b> <b>Content Objectives</b> Find the volume of a rectangular prism in various cubic units by filling in with unit cubes and counting them or by counting the number of unit cubes in one layer and multiplying by the number of layers. Recognize that the volume of a		
		Recognize that the volume of a unit cube depends on the measurement unit used for it dimensions.		

	Determine the third dimension of a rectangular prism given its volume and two dimensions.         Language Objectives Describe orally or in writing the connection between volume, layers, and unit cubes filling a rectangular prism.         Summarize similarities and differences between volume and area, and between cubic units and square units.         Discuss the definitions of the mathematical terms cubic unit and volume with a partner.         Lesson 26 Content Objectives Find the volume of a rectangular prism by multiplying its height by the area of its base.         Find the volume of a rectangular prism using the formula V= I x w x h.         Solve real-world problems involving volumes of rectangular prisms.         Language Objectives Describe how to use the formulas V=I x w x h and V=B x h.
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	M05.D- M.3.1.2 Find volumes of solid figures composed of two non- overlapping right rectangular prisms.	List information related to volume given in diagrams of rectangular prisms. Write an appropriate formula to solve a word problem about volume of rectangular prisms. Lesson 27 Content Objectives Recognize volume as additive. Use addition to find volumes of solid figures composed of two non-overlapping rectangular prisms. Language Objectives Draw lines on diagrams to divide solid figures into two non-overlapping rectangular prisms. Listen to the arguments of others about volume and ask questions to clarify or build on their ideas. How are spatial relationships, including shape and dimension, used to draw, construct, model, and represent real situations or solve problems? How can the application of the attributes of geometric shapes support mathematical reasoning and problem				
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How can geometric properties and theorems be used to describe, model, and analyze situations?
What does it mean to estimate or analyze numerical quantities?
When is it appropriate to estimate versus calculate?
What makes a tool and/or strategy appropriate for a given task?
Why does "what" we measure influence "how" we measure?
In what ways are the mathematical attributes of objects or processes measured, calculated and/or interpreted?
How precise do measurements and calculations need to be?
How can data be organized and represented to provide insight into the relationship between quantities?
How does the type of data influence the choice of display?
How can probability and data analysis be used to make predictions?

Month(s): April - May		Unit 5				
Geometry	Geometry					
<u>Big Idea</u>	<u>Standard</u>	<u>Eligible</u> <u>Content</u>	Essential Questions & Lesson Essential Question	<u>Concepts</u>	<u>Vocabulary</u>	<u>Competencies</u>
Geometric relationships can be described, analyzed, and classified based on spatial reasoning and/or visualization. Patterns exhibit relationships that can be extended, described, and generalized.	CC.2.3.5.A.1 Graph points in the first quadrant on the coordinate plane and interpret these points when solving real world and mathematical problems.	M05.C- G.1.1.1 Identify parts of the coordinate plane (x-axis, y-axis, and the origin) and the ordered pair (x- coordinate and y- coordinate). Limit the coordinate plane to quadrant 11.	<ul> <li>Lesson 28</li> <li>Content Objectives Recognize the coordinate plane as formed by the intersection of a horizontal and vertical number line.</li> <li>Identify the x- and y- coordinates of a point on the coordinate plane</li> <li>Plot a point on the coordinate plane given its x- and y- coordinates.</li> <li>Language Objectives Define the key terms coordinate plane, x-axis, y- axis, origin, ordered pair, x- coordinate, y-coordinate and use these terms in discussions.</li> <li>Locate on a coordinate plane the point named by an ordered pair of numbers, and name a point on a coordinate plane with an ordered pair of numbers.</li> <li>Lesson 29</li> </ul>	Coordinate Plane Two- Dimensional Figures	Coordinate Plane Ordered Pair X-Coordinate Y-Coordinate Origin X-Axis Y-Axis Y-Axis Hierarchy Polygon (Closed Plane Figure) Triangle -Scalene -Isosceles -Equilateral -Obtuse -Right -Acute Quadrilateral	Describe and interpret points given an ordered pair. Plot points in quadrant 1. Describe and interpret points given an ordered pair. Identify parts of a coordinate grid. Classify two- dimensional figures based on their properties.

real-world and		
mathematical	Interpret coordinate values of points in the context of a	Rectangle
problems by plotting points	problem.	Rhombus
of the	distances between two points	Square
plane and		Venn Diagram
coordinate	plane to solve real world and	Convex Polygon
points in the		Concave
situation.	Tell the meaning of the	Polygon
	context of quantities given in a word problem.	Attributes -Perpendicular -Parallel
	Plot points in the coordinate plane to represent real world and mathematical problems.	-Acute angles -Right angles -Obtuse angles
M05.C-	Lesson 30	-Congruent
Classify two-	Content Objectives	Symmetry
dimensional figures in a	Classify two-dimensional figures in a hierarchy based on	Diagonals
hierarchy based on	properties of the figures.	Perimeter
properties.	Draw and use flow charts, Venn diagrams, and tree	
	hierarchical relationship of two- dimensional figures.	
	Language Objectives Define the key term hierarchy and discuss its meaning with a	
	plotting points in quadrant 1 of the coordinate plane and interpret coordinate values of points in the context of the situation. M05.C- G.2.1.1 Classify two- dimensional figures in a hierarchy based on	plotting points in quadrant 1 of the coordinate plane and interpret coordinate values of points in the context of the situation.Find the horizontal and vertical distances between two points in the first quadrant.Use points in the coordinate plane to solve real world and mathematical problems.Use points in the coordinate plane to solve real world and mathematical problems.Language Objectives Tell the meaning of the coordinates of a point in the context of quantities given in a word problem.M05.C- G.2.1.1 Classify two- dimensional figures in a hierarchy based on properties.Lesson 30 Content Objectives Classify two-dimensional figures in a hierarchy based on properties of the figures.Draw and use flow charts, Venn diagrams, and tree diagrams to show the hierarchical relationship of two- dimensional figures.Language Objectives Define the key term hierarchy

List relationships among two- dimensional figures shown by flow charts, Venn diagrams, and tree diagrams.	
Lesson 31	
Content Objectives Recognize that two- dimensional figures can be categorized based on shared attributes and properties.	
Use Venn diagrams, flow charts, and tree diagrams to model how attributes are shared by categories of polygons.	
Language Objectives Discuss the definitions of key terms attributes, property, category, and subcategory with a partner and use the terms in conversation.	
Draw Venn diagrams, flow charts, and tree diagrams to show properties that are shared by categories of polygons.	
List inferences about attributes of subcategories of quadrilaterals and triangles shown in hierarchy diagrams.	
How are spatial relationships, including shape and dimension, used to draw, construct, model, and	

represent real situations or solve problems?
How can geometric properties and theorems be used to describe, model, and analyze situations?
How can patterns be used to describe relationships in mathematical situations?
How can the applications of the attributes of geometric shapes support mathematical reasoning and problem solving?