Southern York County School District

One Warrior at a Time

Course/Subject: : Math Comprehensive Units Grade Level: 2							
Textbook(s)/Materials Used: Ready Pennsylvania Math Instruction, Practice Problem Solving, Assessment, i-Ready Diagnostic & Instruction ISBN 978-1-4957-3538-7 • 2018-Curriculum Associates							
Month(s): August	Month(s): August - September – October Unit 1						
Operations and Al	gebraic Thinking						
<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. Patterns exhibit relationships that can be extended, described, and generalized. Add and subtraction with 20	CC 2.2.2.A.1 CC.2.2.2.A.2 CC.2.2.2.A.3 CC.2.1.2.B.2 Lesson 0 1.OA.C.6 Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., $8 + 6 = 8 + 2 + 4 = 10 + 4 = 14$); decomposing a number leading to a ten (o.g., 12)		 How is mathematics used to quantify, compare, represent, and model numbers? How can mathematics support effective communication? How are relationships represented mathematically? How can expressions, equations and inequalities be used to quantify, solve, model, and/or analyze mathematical situations? How can recognizing repetition or regularity assist in solving problems more efficiently? Lesson 0 Use best practices during a <i>Ready</i> mathematics lesson. 	Addition and Subtraction Properties of Operations Equal Groups of Object Make ten Counting on	A.M. Addend Analog/digital Angles Bar graph Centimeter Compose Decompose Dime Dollar Equation Equivalent Estimate Even Expanded form Faces Feet Fractions thirds Hexagon Hundreds Inch Line plot Meter Money Nickel Odd P.M.	Use addition and subtraction within 100 to solve one- and two-step word problems by using drawings and equations with a symbol for the unknown number to represent the problem. Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20. Understand subtraction as an unknown-addend problem. For example, subtract	

Fluency practice of adding and subtracting within 10	- $4 = 13 - 3 - 1 =$ 10 - 1 = 9); using the relationship between addition and subtraction (e.g., knowing that 8 + 4 = 12, one knows 12 - 8 = 4); and creating equivalent but easier or known sums (e.g., adding 6 + 7 by creating the known equivalent 6 + 6 + 1 = 12 + 1 = 13). Lesson 1 CC.2.2.2.A.2 Us e mental strategies to add and subtract within 20. Lesson 2 CC.2.2.2.A.1 Represent and solve problems involving addition	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. Mathematical Objectives Fluently add and subtract within 10. (<i>Reviews Grade 1 Lesson 9</i>) Use the strategy of making ten to add numbers within 20. (<i>Reviews Grade 1 Lesson 14</i>) Use the make a ten strategy to subtract single-digit numbers from teen numbers. (<i>Reviews Grade 1 Lesson 16</i>) Lesson 1	Penny Pentagon Picture graph Place value Quadrilateral Quarter Lesson 0 Number bond Fact family Make a ten - a strategy that uses combinations of numbers that add to or subtract to ten when adding and subtracting. Teen number - a ten and some number of ones from 1 to 9; the numbers 11-19 Lesson 1 Sum - the result of additian	the number that makes 10 when added to 8. Add and subtract within 20. Use strategies such as counting on; making ten; decomposing a number leading to a ten; number leading to a ten; using the relationship between addition and subtraction; and creating equivalent but easier of known sums. Fluently add and subtract within 20 using mental strategies. Apply properties of operations as strategies to add and subtract (commutative
	solve problems involving addition and subtraction	Lesson 1 Content Objectives	Sum - the result of addition.	and subtract (commutative property of
	Lesson 3 CC.2.2.2.A.2 Use mental	numbers that form number sentences as part of a fact family.	Difference – the result of subtraction.	associative property of addition).
	strategies to add and subtract within 20.	Apply counting strategies to find an unknown addend or difference.	Review the following key terms:	Determine whether a group of objects (up to 20) has an

Lesson 4 CC.2.2.2.A.3 Work with equal groups of objects to gain foundations for multiplication.	Use inverse operations to find an unknown addend or difference. Language Objectives Record addition and subtraction facts in number bonds. Draw an open number line to show addition and subtraction facts. Lesson 2 Analyze one-step problems and write equations that can be used to solve them. Apply the use of fact families as a strategy to solve one-step problems and build number sense. Interpret models that represent one-step problems. Language Objectives Draw a tape diagram to represent and solve a word problem. Write an addition or subtraction fact to represent a word problem.	Fact family - a group of related number sentences that use the same numbers, but in a different order. Add - to combine or find the total of two or more quantities. Addend - a number being added. Subtract - to take away or separate one quantity from another, or to compare two quantities. Lesson 2 Equation - a mathematical sentence that uses an equal sign (=) to show that two expressions have the same value. Equal sign (=) a symbol used to compare	odd or even number of members and write an equation to express an even number as a sum of two equal addends. Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.
		to compare numbers	

	Lesson 4 even number - an even number of objects can be put into pairs or into two equal groups without any leftovers. An even number always has 0, 2, 4, 6, or 8 in the ones place. odd number - an odd number of objects cannot be put into pairs or into two equal groups without a leftover. An odd number always has 1, 3, 5, 7, or 9 in the ones place. Lesson 5 Rows Columns Array
Month(s): November – December – January Numbers and Operations in Base Ten	Unit 2

Big Idea	Standard	<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 quantities, calculations, and measurements can be estimated or analyzed by using appropriate strategies and tools. Patterns exhibit relationships that can be extended, described, and generalized. Mathematical relationships among numbers	CC.2.1.2.B.1 CC.2.1.2.B.2 CC.2.1.2.B.3 Lesson 7 CC.2.1.2.B.3 Use place-value understanding and properties of operations to add and subtract within 1000. Lesson 8 CC.2.1.2.B.3 Use place-value understanding and properties of operations to add and subtract within 1000. Lesson 9 CC.2.1.2.B.3 Use place-value understanding and properties of operations to add and subtract within 1000. Lesson 9 CC.2.1.2.B.3 Use place-value understanding and properties of operations to add and subtract within 1000. CC.2.2.2.A.1 Represent and solve problems		 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? Lesson 7 Content Objectives Break apart two-digit numbers as a place-value strategy for adding. Recognize that in adding, tens are added to tens and ones to ones. Determine when regrouping a ten is necessary and carry out the regrouping to find a sum. Language Objectives Record sums found by modeling addition with base ten blocks. 	Place value Addition and Subtraction	Lesson 7 Regroup - to compose or decompose ones, tens, or hundreds. For example, 10 ones can be regrouped as 1 ten, or 1 hundred can be regrouped as 10 tens. Sum - the result of addition. Lesson 11 • digit any one of the ten symbols used to write numbers: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9. Review the following key term. • place value - the value assigned to a digit based on its position in a number. For example,	Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones. Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons. Count within 1000; skip-count by 5s, 10s, and 100s. Read and write numbers to 1000 using base-ten numerals, number names, and expanded form. Add up to four two- digit numbers using strategies based on place value and properties of
represented,	Ŭ				in the tens	

compared, and communicated.	and subtraction within 100. Lesson 10 C.2.1.2.B.1 Use place-value concepts to represent amounts of tens and ones and to compare three digit numbers. CC.2.1.2.B.2 Use place-value concepts to read, write, and skip count to 1000. Lesson 11 CC.2.1.2.B.2 Use place-value concepts to read, write, and skip count to 1000. Lesson 12 CC.2.1.2.B.1 Use place-value concepts to represent amounts of tens and ones and to compare three digit numbers. Lesson 13 CC.2.1.2.B.3 Use place-value	Draw an open number line to model adding two-digit numbers. Make a quick drawing to model adding two-digit numbers. Write an addition problem to solve a word problem involving two-digit Addition. Lesson 8 Content Objectives Decompose a ten as a strategy for subtracting. Recognize that addition can be used to solve a subtraction problem. Evaluate mental strategies for subtracting a number from a two-digit number. Language Objectives Orally describe how to add up to solve subtraction problems. Draw an open number line to model subtracting two-digit numbers. Write a subtraction problem to solve a word problem. Lesson 9 Content Objectives Analyze word problems to determine the operation needed to solve them.	place and has a value of 2 tens or twenty. • Hundreds • Tens • Ones Lesson 12 There is no new vocabulary. Review the following key terms. compare - to decide if one number is greater than, less than, or equal to another number. greater than symbol (>) a symbol used to compare two numbers when the first is greater than the second. less than symbol (<) a symbol used to compare two numbers when the first is greater than the second.	Add and subtract within 1000. Understand that in adding or subtracting three- digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds. Explain why addition and subtraction strategies work, using place value and the properties of operations.
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understanding and properties of operations to add and subtract within 1000. Lesson 14 CC.2.1.2.B.3 Use place-value understanding and properties of operations to add and subtract within 1000. Lesson 15 CC.2.1.2.B.3 Use place-value understanding and properties of operations to add and subtract within 1000.	 Apply the use of fact families as a strategy to solve one-step problems and build number sense. Interpret models that represent a one-step problem with two- digit Numbers. Language Objectives Write an equation to represent a word problem. Talk with a partner about strategies used to solve a problem. Compare two models for solving a problem and tell how they are the same or different. Lesson 10 Content Objectives Identify ones, tens, and hundreds in a three-digit number. Interpret models to determine the combinations of hundreds, tens, and ones in a number. Write a three-digit number in terms of varied combinations of hundreds, tens, and ones. Language Objectives Tell how many hundreds, tens, 	equal sign (=) - a symbol used to compare two numbers that have the same value. Lesson 13 There is no new vocabulary. Review the following key terms. regroup - to compose or decompose ones, tens, or hundreds. For example, 10 ones can be regrouped as 1 ten, or 1 hundred can be regrouped as 10 tens. sum - the result of addition. Lesson 14 There is no new vocabulary. Review the following key	
	Language Objectives Tell how many hundreds, tens, and ones are in a given three- digit number.	vocabulary. Review the following key terms.	

	Tell how many tens are in 100	regroup - to	
	and in 200.	compose or	
		decompose	
		ones, tens, or	
	Lesson 11	hundreds.	
	Content Objectives	For example,	
	Identify the place value of each	10 ones can be	
	digit in a three-digit number.	regrouped as 1	
	6 6	ten or 1	
	Model three-digit numbers.	hundred can	
		he regrouped	
	Interpret a model and write the	as 10 tens	
	number value	as 10 tens.	
		difforance the	
	Languago Objectivos		
	Dood aloud three digit		
	Read aloud three-digit	subtraction.	
	numbers.		
	Maile the second site second and in		
	write three-digit numbers in		
	expanded form.		
	Write a three-digit number		
	shown with base ten blocks.		
	Lesson 12		
	Content Objectives		
	Evaluate models of three-digit		
	numbers to determine whether		
	numbers are greater than, less		
	than, or equal to each other.		
	Express equalities and		
	inequalities using proper		
	notation		
	Solve problems involving		
	inequalities and justify		

	Tell which of two three-digit numbers is greater and which is lesser.		
	Write inequalities to compare three-digit numbers using and symbols.		
	Listen to the ideas of others and ask questions to clarify.		
	Lesson 13 Content Objectives Break apart three-digit numbers as a place-value strategy for adding.		
	Recognize that in adding, hundreds are added to hundreds, tens to tens, and ones to ones.		
	Determine when regrouping a hundred or a ten is necessary, and carry out the regrouping to find the sum.		
	Language Objectives Write two numbers in a place value chart to find their sum.		
	Write two numbers in expanded notation to find their sum.		
	Record partial sums as a step toward finding the sum of two numbers.		
	Lesson 14 Content Objectives		

	Determine when regrouping a ten and/or a hundred is necessary to subtract, and carry out the regrouping to find the difference.		
	Recognize that in subtracting, hundreds are subtracted from hundreds, tens from tens, and ones from ones.		
	Explore subtraction as a process of taking away or adding up.		
	Language Objectives Write two numbers in a place- value chart to find their difference.		
	Write two numbers in expanded notation to find their difference.		
	Record the steps for adding up to subtract on an open number line.		
	Compare two approaches to subtraction to describe how they are alike and different.		
	Lesson 15 Content Objectives Break apart three or more two- digit numbers as a place-value strategy for than two numbers.		
	Apply the commutative and associative properties of addition.		

			Language Objectives Rewrite two-digit numbers in expanded notation to add three or more numbers. Draw lines to group addends that are easy to add. Describe a mental math strategy used to add three or more numbers. Justify conclusions and communicate the conclusions to others. Adding Develop strategies for adding more			
Month(s): Februar	ry – March		Unit 3			
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>
Numerical quantities, calculations, and measurements can be estimated or analyzed by using appropriate strategies and tools.	CC.2.4.2.A.1 CC.2.4.2.A.2 CC.2.4.2.A.3 CC.2.4.2.A.4 Lesson 16 CC.2.4.2.A.1 Measure and		What does it mean to estimate or analyze numerical quantities? When is it is appropriate to estimate versus calculate? What makes a tool and/or strategy appropriate for a given task?	Time and Money Represent and Interpret Data Addition and Subtraction	Lesson 16 standard unit - a unit of measure, such as a centimeter or a foot that has a defined length, as compared to a	Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes. Measure the same length with

Measurement attributes can be quantified, and estimated using customary and noncustomary units of measure. Numerical quantities, calculations, and measurements can be estimated or analyzed by using appropriate strategies and tools. Numerical quantities, calculations, and measurements	estimate lengths in standard units using appropriate tools. Lesson 17 CC.2.4.2.A.1 Measure and estimate lengths in standard units using appropriate tools. Lesson 18 CC.2.4.2.A.1 Measure and estimate lengths in standard units using appropriate	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? What does it mean to estimate or analyze numerical quantities? When is it is appropriate to estimate versus calculate? What makes a tool and/or strategy appropriate for a	non-standard unit such as a shoe-length. inch - the smallest unit of length in the U.S. customary system. A quarter is about 1 inch across. 12 inches is equivalent to 1 foot. centimeter - a unit of length in the metric system. Your little finger is about 1	different-sized units then discuss the measurement made with the smaller unit is more than the measurement made with the larger unit and vice versa. Estimate lengths using units of inches, feet, centimeters, and meters. Measure to determine how much longer one object is than another,
tools.	Measure and estimate lengths in standard units using appropriate tools. Lesson 20 CC.2.4.2.A.1 Measure and estimate lengths in standard units using appropriate tools.	 quantities? What makes a tool and/or strategy appropriate for a given task? 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? 	meter. Review the following key terms. length - a measurement that tells the distance from one point to another. measure - to determine the	unit. Make a line plot to show measurement data of the lengths of several objects to the nearest whole- number unit. Draw a picture graph and a bar graph (with single- unit scale) to

:Lesson 21 CC.2.4.2.A.1 Measure and estimate lengths in standard units using appropriate tools. CC.2.4.2.A.6 Extend the concepts of addition and subtraction to problems involving length. CC.2.2.2.A.1 Represent and	How can probability and data analysis be used to make predictions? What does it mean to estimate or analyze numerical quantities? What makes a tool and/or strategy appropriate for a given task? 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?	length of an object by comparing it to a standard. Lesson 17 foot - a unit of length in the U.S. customary system. 1 foot is equal to 12 inches. yard - a unit of length in the U.S. customary system. 1 yard is equal to 3 feet or 36 inches.	represent a data set with up to four categories. Solve simple put together, take- apart, and compare problems using information presented in the graph. Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units by using drawings and equations with a
solve problems	Lesson 16	meter - a unit	symbol for the unknown number
and subtraction within 20.	Content Objectives Understand that objects can be measured using different	of length in the metric system. 1 meter is	to represent the problem.
Lesson 22 CC.2.4.2.A.4 Represent and	units.	equal to 100 centimeters.	Represent whole numbers as lengths from 0 on
interpret data using line plots, picture graphs, and bar graphs.	with standard units makes comparing lengths easier. Represent and measure the	Review the following key terms.	a number line diagram with equally spaced points
Lesson 23 CC.2.4.2.A.4	length of an object using tiles and a ruler.	inch - the smallest unit of length in the	corresponding to the numbers 0, 1, 2, and represent
interpresent and interpret data using line plots, picture graphs, and bar graphs.	Describe how to use a ruler to measure an object by lining up one end of the object with the zero mark on the ruler.	o.s. customary system. A quarter is about 1 inch across. 12 inches is	sums and differences within 100 on a number line diagram.

1	1			1
	Lesson 24	Tell the reason for using	equivalent to 1	
	CC.2.4.2.A.2 Tell	standard units of measure.	foot.	
	and write time to			
	the nearest five	Create an inch ruler using a	centimeter - a	
	minutes using	strip of paper and 1-inch tiles.	unit of length in	
	both analog		the metric	
	and digital	Lesson 17	system. Your	
	clocks.	Content Objectives	little finger is	
		Learn about rulers, yardsticks,	about 1	
	Lesson 25	meter sticks, and tape	centimeter	
	CC.2.4.2.A.3	measures.	across. 100	
	Solve problems		centimeters is	
	and make	Measure lengths using	equivalent to 1	
	change using	different tools.	meter.	
	coins and paper			
	currency with	Learn how to use a ruler	Lesson 18	
	appropriate	repeatedly to measure a	There is no	
	symbols.	length.	new	
	•		vocabulary.	
		Choose a tool for measuring	-	
		the length of a given object.	Review the	
			following key	
		Language Objectives	terms.	
		Record the lengths of objects		
		measured with a ruler, tape	inch - the	
		measure, or meter stick.	smallest unit of	
			length in the	
		Tell which measuring tool	U.S. customary	
		would be best for measuring a	system. A	
		particular object.	quarter is	
			about 1 inch	
		Justify answers and	across. 12	
		communicate the results to	inches is	
		others.	equivalent to 1	
			foot.	
		Lesson 18		
		Compare lengths measured in	foot - a unit of	
		different units.	length in the	
			U.S. customary	
		Understand the relationship	system. 1 foot	
		between feet and inches.		

	is equal to 12
Understand the relationship	inches.
between centimeters and	
meters.	yard - a unit of
	length in the
Explore how the number of	U.S. customary
units in a measurement is	system. 1 yard
related to the size of the units	is equal to 3
used.	feet or 36
	inches.
Language Objectives	
Compare given lengths	centimeter - a
measured in different units.	unit of length in
	the metric
Predict whether a given object	system. Your
would be more inches in length	little finger is
or more feet in length.	about 1
	centimeter
Describe the relationship	across. 100
between centimeters and	centimeters is
meters.	equivalent to 1
1	meter.
Lesson 19	mater a unit
Contant Objectives	meter - a unit
Estimate lengths in inches	or length in the
estimate lengths in inches,	1 meterio
centimeters, reet, and meters.	a meter 100
Lise benchmark objects when	contimotors
estimating	
oodinading.	Lesson 19
Language Objectives	to estimate - to
Define the key vocabulary term	dive an
estimate when discussing	approximate
measurement with a partner	number or
	answer based
Justify conclusions and	on
communicate conclusions to	mathematical
others.	thinking
Lesson 20	

	r			
		Content Objectives Compare the lengths of objects by determining which measure is greater than or less than the other.	an estimate - a close guess made using mathematical thinking.	
		Use addition and subtraction to compare lengths, finding how much greater or less the measure of one object is than the other.	Lesson 22 data - a set of collected information; often numerical	
		Language Objectives Tell how to compare the lengths of two objects that are not lined up payt to each other	such as a list of measurements	
		Record the lengths of two objects and subtract to tell how much longer or shorter one is	line plot - a data display that shows the frequencies of	
		Lesson 21 Content Objectives Use addition and subtraction to	the data as marks above a number line.	
		solve problems involving lengths.	data - a set of collected information; often numerical	
		working within a single unit when adding or subtracting lengths.	information such as a list of measurements	
		Interpret and apply models that represent measurement problems involving addition and subtraction.	picture graph - a data display in which	
		Language Objectives	pictures are used to represent the	

	Restate the essential information in a measurement	number of items in each
	word problem.	category.
	Draw a bar model to represent	bar graph - a
	a measurement word problem.	data display in
		which bars are
	Discuss with a partner	used to
	problem	number of
		items in each
	Lesson 22	category.
	Content Objectives	
	Interpret marks on a line plot	Lesson 25
	as data.	cent - the
	Understand that the numbers	money in the
	on a ruler or number line can	U.S.
	be used to represent a given	
	length.	penny - a coin
	Depresent data an a line plat	that has a
	Represent data on a line plot.	value of 1 cent.
	Language Objectives	nickel - a coin
	Describe how the number line	that has a
	on a line plot is like a ruler.	value of 5
	Label the number line on a line	cents.
	plot with numbers to represent	dime - a coin
	given data.	that has a
	, , , , , , , , , , , , , , , , , , ,	value of 10
	Tell what each X on a line plot	cents.
	represents.	
	Lesson 23	quarter - a coin that has a
	Content Objectives	value of 25
	Collect data to display in a bar	cents.
	graph or picture graph.	
		dollar - a unit
		of money in the

Compare data in a tally chart,	U.S. equal to
table, picture graph, and bar	100 cents.
graph.	
~ ·	Lesson 24
Interpret graphs by reading	am - the time
and comparing the data shown	from midnight
in the graph	uptil boforo
in the graph.	
Complete a nisture meab and	noon.
Complete a picture graph and	
bar graph.	pm - the time
	from noon until
Create a bar graph from a	before
given set of data.	midnight.
	Review the
Language Objectives	following key
Compare a bar graph and a	terms
picture graph for the same	hour - a unit of
data	time equal to
	60 minutes
Lico kov mathematical	eo minutes.
Use key mainematical	minuto o unit
	minute - a unit
graph, bar graph, and data	of time equal to
IN discussions.	60 seconds.
Lesson 24	hour hand - the
Content Objectives	shorter
Read time to the nearest 5-	indicator (or
minute interval.	hand) on an
	analog clock,
Write time using proper	which shows
notation.	the hours.
Show time on an analog clock	minute hand -
using proper hour-hand and	the longer
minute-hand placement.	indicator (or
•	hand) on an
Determine when a digital clock	analog clock.
should read am or pm.	which shows
	the minutes
Language Objectives	

			 Skip count by 5s to read time on an analog clock. Use the terms am and pm correctly in discussions. Lesson 25 Content Objectives Recognize and name the coins penny, nickel, dime, and quarter. Know the value of coins and paper denominations. Count the amount of money represented by a set of coins or bills. Language Objectives Write the value of a set of coins. Write the value of a set of bills. List coins that have a given total value. 		analog clock - a clock that uses hour and minute hand positions to show time. digital clock - a clock that uses digits to display the time.	
Month(s): April – M	Мау		Unit 4			
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>
Patterns exhibit relationships that can be extended,	CC.2.3.2.A.1 CC.2.3.2.A.2		How can patterns be used to describe relationships in mathematical situations?	Attributes Fractions	Lesson 26 side - a line segment that forms part of	Recognize and draw shapes having specified attributes. Identify

described, and Lesson 26 How can recognizing repetition a two-	triangles,
generalized. CC.2.3.2.A.1 or regularity assist in solving dimensional	quadrilaterals,
Analyze and problems more efficiently? shape.	pentagons,
Geometric draw two- and	hexagons, and
relationships can three- How are spatial relationships, angle - one of	cubes.
be described, dimensional including shape and the corners of	
analyzed, and shapes having dimension, used to draw, a shape where	Partition circles
classified based specified construct, model, and two sides	and rectangles into
on spatial attributes. represent real situations or meet.	two, three, or four
reasoning and/or solve problems?	equal shares,
visualization. Lesson 27 triangle - a	recognize that
CC.2.3.2.A.1 How can patterns be used to two-	equal shares of
Patterns exhibit Analyze and describe relationships in dimensional	identical wholes
relationships that draw two- and mathematical situations?	need not have the
can be extended. three-	same shape.
described and dimensional How can recognizing repetition sides and three	
dependiced and anterior anterior and anterior an	
specified problems more efficiently?	
Geometric attributes automatic	
relationships can How can the application of the	
be described Lesson 28 attributes of geometric shapes dimensional	
analyzed and CC 2.3.2.4.2 support mathematical	
classified based Use the with exactly	
classified based Use the reasoning and problem with exactly	
four spatial four sides and four spatial four sides and	
Visuelization partition changes How can geometric properties	
visualization. partition shapes now can geometric properties	
and theorems be used to rectangle - a	
quarters, and describe, model, and analyze quadmateral	
thirds. Situations? With four	
Square	
Lesson 20 Corners.	
Content Objectives Opposite sides	
identify triangles, of a rectangle	
quadrilaterais, pentagons, and are the same	
nexagons based on the length.	
number of sides and angles	
they have. rhombus - a	
quadrilateral	
Recognize that one shape can with all sides	
be formed from a composite of the same	
other shapes. length.	

Distinguish among triangles, quadrilaterals, pentagons, and hexagons based on their attributes.	pentagon - a two- dimensional closed shape with exactly	
cylinders, and pyramids based on the number of faces, edges,	five angles.	
and vertices they have.	hexagon- a two-	
Draw a shape based on specific attributes.	dimensional shape with exactly six	
Language Objectives Write the names of shapes	sides and six angles.	
and angles.	sphere - a solid shape like a	
Draw shapes given a set of attributes.	ball. cvlinder - a	
Draw lines in a shape to show different ways it can be made from other shapes.	solid shape like a can.	
Write the number of faces, edges, and vertices of a shape based on drawings.	box, with 6 square	
Write the names of shapes based on key attributes.	surfaces (faces) and all edges of equal length.	
Lesson 27 Content Objectives Analyze a tiling as an array of squares with no gaps or overlaps.	cone - a solid shape that slopes from a circular base to a point.	

Determine the number of	pyramid - a
squares used to tile a	three-
rectangle	dimensional
rootangio.	figure whose
Create a tiling of equares to fit	haco is a
	base is a
a reclangular shape.	polygon and whose other
Language Objectives	
	faces are
Draw lines in a rectangle to	triangles.
make rows of same-sized	
squares.	face - the flat
	surface of a
Tell how many same-sized	solid shape.
squares of a certain size will	
tile a rectangle.	edge - the part
	of a shape
Lesson 28	where two
Content Objectives	faces meet.
Identify and name halves,	
thirds, and fourths as parts into	vertex - the
which a shape is divided.	point where
•	two edges
Recognize that fractional parts	meet or the
are equal in size	point of a cone
Understand that the more	Lesson 28
parts a whole is divided into.	one third - one
the smaller the size of each	of three equal
part.	parts of a
	whole.
Language Objectives	
Divide a shape into halves	thirds - the
thirds and fourths	parts formed
	when a whole
Draw lines in a shape to show	is divided into
A equal parts in different ways	three equal
- oqual parts in unerent ways.	narte
Label parts of shapes that are	parts.
Laber parts of snapes that are	Dovious the
cut into same-size pieces with	
the words half, third, or fourth.	
	lemis.

		one half - one of two equal parts of a whole.	
		halves - the parts formed when a whole is divided into two equal parts.	
		one fourth - one of four equal parts of a whole.	
		fourths - the parts formed when a whole is divided into four equal parts.	