Domain Counting and Cardinality		
Cluster Know number names and the count sequence	Pacing	
	1st Quarter – Stepping Stones Module 1 (Counting and Cardinality 3) Module 2 (Counting and Cardinality 3) Module 3 (Counting and Cardinality 1) 2nd Quarter – Stepping Stones Module 5 (Counting and Cardinality 1 and 3) 3rd Quarter – Stepping Stones Module 7 (Counting and Cardinality 1) 4th Quarter – Stepping Stones Module 11 (Counting and Cardinality 2 and 3) Module 12 (Counting and Cardinality 1, 2, 4, and 4c)	
Standards	Content Elaborations	
 1. Count to 100 by ones and by tens. Learning Targets: I can count to 10 by ones. I can count to 20 by ones. I can count to 100 by ones. 	 Key Elaborations From Preschool Count to 20 by ones with increasing accuracy. Identify and name numerals 1-9. Identify without counting small quantities of up to 3 items (subitize). 	
 I can count to 100 by tens. Count forward beginning from a given number within the known sequence (instead of having to begin at 1). Learning Targets: I can count from a number other than 1 up to 100. Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects). Learning Targets: I can write numbers 0-10. I can write numbers 11-20. I can represent a group of objects with a written numeral 0-20. 	 Standards of Mathematical Practice Mathematically proficient students 1. Make sense of problems and persevere in solving them. 2. Reason abstractly and quantitatively. 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics. 5. Use appropriate tools strategically. 6. Attend to precision. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning. 	

Content Vocabulary	Academic Vocabulary
• count	• sequence
• numeral	• forward
	• represent
Formative Assessments	Summative Assessments
See Stepping Stones	See Stepping Stones
Resources	Enrichment Strategies
Stepping Stones	See Stepping Stones
 Book Number Talks, by Sherry Parrish 	
Book It Makes Sense, by Melissa Conklin	
 http://www.teachers.cr.k12.de.us/~shane/parentpageK.html 	
 http://www.teachers.cr.k12.de.us/~galgano/klinksmath.html 	
http://www.charleston.k12.il.us/pdfs/curriculum-	
maps/math/K_Math_Map.pdf	
 http://www.livebinders.com/play/play?id=462015 	
• <u>www.morestarfall.com</u>	
 http://www.internet4classrooms.com/skills-k-mathbuilders.html 	
 http://www.helpingwithmath.com/by_grade/k_cc_skills.html 	
 http://www.fuelthebrain.com/Interactives/?gr=k 	
http://www.abc.net.au/countusin/	
 http://education.fcps.org/tps/kindergartenonlinemathgames 	
 http://www.k-5mathteachingresources.com/kindergarten-math- 	
<u>activities.html</u>	
Integrations	Intervention Strategies
See Stepping Stones	Games: Trouble, Candy Land, Chutes and Ladders
	Stepping Stones Small Group Activities

Domain Counting and Cardinality	Domain Counting and Cardinality		
Cluster Count to tell the number of objects	Pacing		
Standards 4. Understand the relationship between numbers and quantities; connect counting to cardinality. a. When counting objects, say the number names in the standard order, pairing each object with one and only one number name and each number name with one and only one object. b. Understand that the last number name said tells the number of objects counted. The number of objects is the same regardless of their arrangement or the order in which they were counted. c. Understand that each successive number name refers to a quantity that is one larger. Learning Targets: 1 can count objects in a group correctly (each object is counted only once) regardless of arrangement and order. 1 can say "how many" are in a group after counting all the objects. 1 If I already know how many are in a group, I can say how many there are (without recounting the whole group) when one more object is added to the group.	1st Quarter – Stepping Stones Module 1 (Counting and Cardinality 4, 4a, and 4b) Module 2 (Counting and Cardinality 4, 4a, 4b, and 5) Module 3 (Counting and Cardinality 4 and 4c) 2nd Quarter – Stepping Stones Module 5 (Counting and Cardinality 4 and 4b) Module 6 (Counting and Cardinality 4 and 4b) 4th Quarter – Stepping Stones Module 10 (Counting and Cardinality 5) Content Elaborations Key Advances From Preschool 1. Demonstrate one-to-one correspondence when counting objects up to 10. 2. Understand that the last number spoken tells the number of objects counted. Standards of Mathematical Practice Mathematically proficient students		
 Learning Targets: I can count objects in a group correctly (each object is counted only once) regardless of arrangement and order. I can say "how many" are in a group after counting all the objects. If I already know how many are in a group, I can say how many there are (without recounting the whole group) when one more object is added to the group. 	 Construct viable arguments and critique the reasoning of ot Model with mathematics. Use appropriate tools strategically. Attend to precision. Look for and make use of structure. 		

 5. Count to answer "how many?" questions about as many as 20 objects arranged in a line, a rectangular array, or a circle, or as many as 10 objects in a scattered configuration; given a number from 1-20, count out that many objects. Learning Targets: I can count objects up to 20 in a variety of arrangements. I can say "how many" objects are in a group. I can show the correct number of objects when I am told a number up to 20. 	
Content Vocabulary	Academic Vocabulary understand relationship connect arrangement order strategy variety
Formative Assessments • See Stepping Stones	Summative Assessments • See Stepping Stones
Resources Book: Number Talks, by Sherry Parrish Book: It Makes Sense, by Melissa Conklin http://www.teachers.cr.k12.de.us/~shane/parentpageK.html http://www.teachers.cr.k12.de.us/~galgano/klinksmath.html http://www.charleston.k12.il.us/pdfs/curriculum-maps/math/K Math Map.pdf http://www.livebinders.com/play/play?id=462015 www.morestarfall.com http://www.internet4classrooms.com/skills-k-mathbuilders.html	Enrichment Strategies • See Stepping Stones

 http://www.helpingwithmath.com/by_grade/k_cc_skills.html http://www.fuelthebrain.com/Interactives/?gr=k http://www.abc.net.au/countusin/ http://education.fcps.org/tps/kindergartenonlinemathgames 	
 http://www.k-5mathteachingresources.com/kindergarten-math- activities.html 	
Integrations	Intervention Strategies
See Stepping Stones	 Games: Trouble, Candy Land, Chutes and Ladders Stepping Stones Small Group Activities

Domain Counting and Cardinality	
Cluster Compare numbers	Pacing
Standards	2nd Quarter – Stepping Stones Module 4 (Counting and Cardinality 6 and 7) Content Elaborations
 6. Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group; e.g., by using matching and counting strategies. Learning Targets: I can say which group has more by matching or counting the number of objects in both groups. I can say which group has less by matching or counting the number of objects in both groups. I can say when groups are equal (same as) by matching or counting. 7. Compare two numbers between 1 and 10 presented as written numerals. Learning Targets: I can read numerals to 10. I can tell the values of numerals to 10. I can compare two numerals between 1 and 10 and say which numeral has a greater value. 	 Key Advances From Preschool Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group up to 10. Standards of Mathematical Practice Mathematically proficient students Make sense of problems and persevere in solving them. Reason abstractly and quantitatively. Construct viable arguments and critique the reasoning of others. Model with mathematics. Use appropriate tools strategically. Attend to precision. Look for and make use of structure. Look for and express regularity in repeated reasoning.
Content Vocabulary objects greater than/more less than/less equal/same as matching counting numerals values greater value	Academic Vocabulary

Formative Assessments	Summative Assessments
See Stepping Stones	See Stepping Stones
Resources	Enrichment Strategies
Book: Number Talks, by Sherry Parrish	See Stepping Stones
Book: It Makes Sense, by Melissa Conklin	
 http://www.teachers.cr.k12.de.us/~shane/parentpageK.html 	
 http://www.teachers.cr.k12.de.us/~galgano/klinksmath.html 	
 http://www.charleston.k12.il.us/pdfs/curriculum- maps/math/K_Math_Map.pdf 	
 http://www.livebinders.com/play/play?id=462015 	
• <u>www.morestarfall.com</u>	
 http://www.internet4classrooms.com/skills-k-mathbuilders.html 	
 http://www.helpingwithmath.com/by_grade/k_cc_skills.html 	
 http://www.fuelthebrain.com/Interactives/?gr=k 	
http://www.abc.net.au/countusin/	
 http://education.fcps.org/tps/kindergartenonlinemathgames 	
 http://www.k-5mathteachingresources.com/kindergarten-math- activities.html 	
 http://www.apples4theteacher.com/math.html 	
 http://sites.google.com/site/teachnic/math2 	
http://www.ixl.com/math/kindergarten	
Integrations	Intervention Strategies
See Stepping Stones	 Games: Trouble, Candy Land, Chutes and Ladders Stepping Stones Small Group Activities

Domain	Operations and Algebraic Thinking	
Cluster	Understand addition as putting together and adding to, and	Pacing
	understand subtraction as taking apart and taking from.	2nd Quarter – Stepping Stones Module 5 (Operations and Algebraic Thinking 4 and 5) Module 6 (Operations and Algebraic Thinking 1 and 2) 3rd Quarter – Stepping Stones Module 7 (Operations and Algebraic Thinking 3) Module 8 (Operations and Algebraic Thinking 1 and 4) Module 9 (Operations and Algebraic Thinking 1, 2, and 5) 4th Quarter – Stepping Stones Module 10 (Operations and Algebraic Thinking 1) Module 12 (Operations and Algebraic Thinking 1, 2, and 5)
Standards	•	Content Flahorations

Standards

1. Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.

Learning Targets:

- I can explain addition (putting together and adding to).
- I can explain subtraction (taking apart and taking from).
- I can identify the mathematical symbols used to show addition and subtraction.
- I can show addition and subtraction using objects, fingers, sounds, acting out situations, expressions, and equations.
- 2. Solve addition and subtraction word problems, and add and subtract within 10; e.g., by using objects or drawings to represent the problem.

Learning Targets:

- I can add and subtract numbers within 10.
- I can solve addition and subtraction word problems using objects and drawings.
- 3. Decompose numbers less than or equal to 10 into pairs in more than one way (e.g., by using objects or drawings), and record each decomposition

Content Elaborations

Kev Advances From Preschool

1. Count to solve simple addition and subtraction problems with totals smaller than 8, using concrete objects.

Content Progression in First Grade

Represent and solve problems involving addition and subtraction

- 1. Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions; e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.
- 2. Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20; e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem. Understand and apply properties of operations and the relationship between addition and subtraction.
- 3. Apply properties of operations as strategies to add and subtract. Examples: If 8 + 3 = 11 is known, then 3 + 8 = 11 is also known (commutative property of addition). To add 2 + 6 + 4, the second two numbers can be added to make a ten, so 2 + 6 + 4 = 2 + 10 = 12

by a drawing or equation (e.g., 5 = 2 + 3 and 5 = 4 + 1).

Learning Targets:

- I can decompose (break apart) numbers to 10 using objects or drawing.
- I can record the answer using a drawing or equation.
- 4. For any number from 1 to 9, find the number that makes 10 when added to the given number (e.g., by using objects or drawings), and record the answer with a drawing or equation.

Learning Targets:

- I can determine the number to add to a given number 1-9 to make 10 and show the answer with a drawing or equation.
- 5. Fluently add and subtract within 5.

Learning Targets:

- I can easily add numbers that add up to 5 or less.
- I can easily subtract numbers when the starting number is 5 or less.

- (associative property of addition).
- 4. Understand subtraction as an unknown-addend problem. For example, subtract 10 8 by finding the number that makes 10 when added to 8. Add and subtract within 20.
- 5. Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).
- 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 (e.g., 13-4=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). Work with addition and subtraction equations.
- 7. Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false. For example, which of the following equations are true and which are false? 6 = 6; 7 = 8 1; 5 + 2 = 2 + 5; 4 + 1 = 5 + 2.
- 8. Determine the unknown number in a whole-number addition or subtraction equation. For example, determine the unknown number that makes the equation true in each of the equations 8 + ? = 11; 5 = -3; 6 + 6 = .

Standards of Mathematical Practice

Mathematically proficient students

- 1. Make sense of problems and persevere in solving them.
- 2. Reason abstractly and quantitatively.
- 3. Construct viable arguments and critique the reasoning of others.
- 4. Model with mathematics.
- 5. Use appropriate tools strategically.
- 6. Attend to precision.
- 7. Look for and make use of structure.
- 8. Look for and express regularity in repeated reasoning.

Content Vocabulary

- addition
- putting together/adding to
- subtraction
- taking apart/taking from

Academic Vocabulary

- mental images
- verbal explanations
- expressions
- explain

 equations mathematical symbols solve word problems make 10 (ten frame) Formative Assessments	 identify represent decompose/break apart record fluently Summative Assessments
See Stepping Stones	See Stepping Stones
 Resources http://www.internet4classrooms.com/ http://www.helpingwithmath.com/by_grade/k_cc_skills.html http://www.k-5mathteachingresources.com/kindergarten-mathactivities.html http://www.apples4theteacher.com/math.html http://sites.google.com/site/teachnic/math2 http://www.ixl.com/math/kindergarten 	Enrichment Strategies ● See Stepping Stones
Integrations • See Stepping Stones	Intervention Strategies • Stepping Stones Small Group Activities

Domain Number and Operations in Base Ten	
Pacing 4th Quarter – Stepping Stones Module 11 (Number and Operations in Base Ten 1)	
Content Progression for First Grade Extend the counting sequence. 1. Count to 120 starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral. Understand place value. 2. Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases: a. 10 can be thought of as a bundle of ten ones — called a "ten." b. The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. c. The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones). 3. Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols >, =, and <. Use place value understanding and properties of operations to add and subtract. 4. Add within 100, including adding a two-digit number and a one-digit number and adding a two-digit number and a multiple of 10, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.	

	Understand that in adding two-digit numbers, one adds tens and tens, ones
	and ones, and sometimes it is necessary to compose a ten.
	5. Given a two-digit number, mentally find 10 more or 10 less than the
	number without having to count; explain the reasoning used.
	6. Subtract multiples of 10 in the range 10-90 from multiples of 10 in the
	range 10-90 (positive or zero differences) using concrete models or
	drawings and strategies based on place value, properties of operations,
	and/or the relationship between addition and subtraction; relate the
	strategy to a written method and explain the reasoning used.
	Standards of Mathematical Practice
	Mathematically proficient students
	1. Make sense of problems and persevere in solving them.
	2. Reason abstractly and quantitatively.
	3. Construct viable arguments and critique the reasoning of others.
	4. Model with mathematics.
	5. Use appropriate tools strategically.
	6. Attend to precision.
	7. Look for and make use of structure.
	8. Look for and express regularity in repeated reasoning.
Content Vocabulary	Academic Vocabulary
• equation	 compose/put together
• digit	 decompose/break apart
	objects
	drawings
	 understand
Formative Assessments	Summative Assessments
See Stepping Stones	See Stepping Stones
Resources	Enrichment Strategies
 http://www.k-5mathteachingresources.com/kindergarten-math- activities.html 	See Stepping Stones
http://www.apples4theteacher.com/math.html	
	I

 http://sites.google.com/site/teachnic/math2 http://www.ixl.com/math/kindergarten 	
Integrations • See Stepping Stones	Intervention Strategies • Stepping Stones Small Group Activities

	· matromatio
Domain Measurement and Data	7
Cluster Describe and compare measurable attributes.	Pacing
	2nd Quarter – Stepping Stones Module 4 (Measurement and Data 1 and 2) Module 6 (Measurement and Data 2)
Standards	Content Elaborations
 Describe measurable attributes of objects such as length or weight. Describe several measurable attributes of a single object. Learning Targets: I can describe measurable attributes of objects. I can describe the measurable attributes of a given object. Directly compare two objects with a measurable attribute in common to see which object has "more of"/"less of" the attribute, and describe the difference. For example, directly compare the heights of two children and describe one child as taller/shorter. Learning Targets: I can tell which object is longer (or shorter or taller) than the other by comparing them side by side. I can tell which object can hold more (or less) than the other by filling up one of the objects and pouring it into the other one. I can tell which object is heavier (or lighter) by lifting one in one hand and the other in my other hand. I can tell which object is warmer (or colder) than the other by touching them. 	 Key Advances From Preschool Describe and compare objects using measurable attributes (e.g., length, size, capacity, and weight). Order objects by measurable attribute (e.g., biggest to smallest, etc.). Content Progression in First Grade Measure lengths indirectly and by iterating length units. Order three objects by length; compare the lengths of two objects indirectly by using a third object. Express the length of an object as a whole number of length units by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Limit to contexts where the object being measured is spanned by a whole number of length units with no gaps or overlaps. Tell and write time. Tell and write time in hours and half-hours using analog and digital clocks. Represent and interpret data. Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.
	Standards of Mathematical Practice
	Mathematically proficient students
	1. Make sense of problems and persevere in solving them.

Content Vocabulary	 Reason abstractly and quantitatively. Construct viable arguments and critique the reasoning of others. Model with mathematics. Use appropriate tools strategically. Attend to precision. Look for and make use of structure. Look for and express regularity in repeated reasoning. Academic Vocabulary describe compare classify category groups
Formative Assessments	Summative Assessments
See Stepping Stones	See Stepping Stones
Resources	Enrichment Strategies
 http://www.k-5mathteachingresources.com/kindergarten-math-activities.html http://www.apples4theteacher.com/math.html 	See Stepping Stones
incept// www.appies tilleteacher.com/ matimem	
 http://sites.google.com/site/teachnic/math2 	
 http://www.ixl.com/math/kindergarten 	
Integrations	Intervention Strategies
See Stepping Stones	Stepping Stones Small Group Activities

Domain Measurement and Data	
Cluster Classify objects and count the number of objects in each category.	Pacing
	1st Quarter – Stepping Stones Module 1 (Measurement and Data 3) Module 2 (Measurement and Data 3) 4th Quarter – Stepping Stones Module 12 (Measurement and Data 3)
Standards	Content Elaborations
 3. Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. Learning Targets: I can sort (classify) objects into categories (groups). I can determine the number of objects in each category. I can sort the categories by number or count. 	 Key Advances From Preschool Sort and classify objects by one or more attributes (e.g., size, shape). Content Progression for First Grade Measure lengths indirectly and by iterating length units. Order three objects by length; compare the lengths of two objects indirectly by using a third object. Express the length of an object as a whole number of length units by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Limit to contexts where the object being measured is spanned by a whole number of length units with no gaps or overlaps. Tell and write time. Tell and write time in hours and half-hours using analog and digital clocks. Represent and interpret data. Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another. Standards of Mathematical Practice Mathematically proficient students
	Make sense of problems and persevere in solving them.

	 Reason abstractly and quantitatively. Construct viable arguments and critique the reasoning of others. Model with mathematics. Use appropriate tools strategically.
	6. Attend to precision.7. Look for and make use of structure.8. Look for and express regularity in repeated reasoning.
Content Vocabulary	Academic Vocabulary
• count	classify
• sort (classify)	categories (groups)determine
Formative Assessments	Summative Assessments
See Stepping Stones	See Stepping Stones
Resources	Enrichment Strategies
 http://www.k-5mathteachingresources.com/kindergarten-math- activities.html 	See Stepping Stones
 http://www.apples4theteacher.com/math.html 	
 http://sites.google.com/site/teachnic/math2 	
 http://www.ixl.com/math/kindergarten 	
Integrations	Intervention Strategies
	 Stepping Stones Small Group Activities

	Timasi gartem matrematis	
Domain	Geometry	
Cluster	Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).	Pacing
		1st Quarter – Stepping Stones
		Module 3 (Geometry 1)
		3rd Quarter – Stepping Stones
		Module 7 (Geometry 2)
		Module 8 (Geometry 3)
		Module 9 (Geometry 2 and 4)
Standards	S	Content Elaborations

1. Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to.

Learning Targets:

- I can find and name shapes correctly (e.g., square, circle, triangle, rectangle, and hexagon) in my environment.
- I can describe the position of objects as above, below, beside, in front of, behind, and next to.
- 2. Correctly name shapes regardless of their orientations or overall size.

Learning Targets:

- I can name shapes correctly.
- I can name shapes correctly even when their size and orientation is unusual or different.
- 3. Identify shapes as two-dimensional (lying in a plane, "flat") or threedimensional ("solid").

Learning Targets:

- I can define two-dimensional as being flat.
- I can define three-dimensional as being solid.
- I can identify 2D shapes.
- I can identify 3D shapes.

Kev Advances From Preschool

- 1. Demonstrate understanding of the relative position of objects using terms such as in/on/under, up/down, inside/outside, above/below, beside/between, in front of/behind, and next to.
- 2. Understand and use names of shapes when identifying objects.
- 3. Name three-dimensional objects using informal, descriptive vocabulary (e.g., "cube" for box, "ice cream cone" for cone, "ball" for sphere, etc.).

Content Progression for First Grade

Reason with shapes and their attributes.

- 1. Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.
- 2. Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.
- 3. Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.

Standards of Mathematical Practice
 Mathematically proficient students Make sense of problems and persevere in solving them. Reason abstractly and quantitatively. Construct viable arguments and critique the reasoning of others. Model with mathematics. Use appropriate tools strategically. Attend to precision. Look for and make use of structure. Look for and express regularity in repeated reasoning.
Academic Vocabulary
Summative Assessments • See Stepping Stones
Enrichment Strategies

Integrations	Intervention StrategiesStepping Stones Small Group Activities

	Kindergarten Mathematics	
Domain	Geometry	
Cluster	Analyze, compare, create, and compose shapes	Pacing
		3rd Quarter – Stepping Stones Module 7 (Geometry 4) Module 8 (Geometry 5) 4th Quarter – Stepping Stones Module 10 (Geometry 5 and 6)
Standard	Is	Content Elaborations
	yze and compare two- and three-dimensional shapes, in different	Key Advances From Preschool
simil verti	sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length).	 Compare two-dimensional shapes, in different sizes and orientations, using informal language. Create shapes during play by building, drawing, etc. Combine simple shapes to form larger shapes.
	ning Targets: can describe a shape by telling things like the number of sides, number	Content Progression in First Grade
• 10	vertices (corners), and other special qualities. can compare 2D shapes and describe their similarities and differences. can compare 3D shapes and describe their similarities and differences.	 Reason with shapes and their attributes. 1. Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall
	el shapes in the world by building shapes from components (e.g., s and clay balls) and drawing shapes.	size); build and draw shapes to possess defining attributes. 2. Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes
• 10	ning Targets: can build shapes from materials in my environment. can draw shapes in my environment.	(cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape.
6. Com	pose simple shapes to form larger shapes. For example, "Can you	3. Partition circles and rectangles into two and four equal shares; describe the shares using the words halves, fourths, and quarters; and use the

I can put shapes together to make new shapes.I can name the new shape that results from con

Learning Targets:

• I can name the new shape that results from composing two simple shapes.

join these two triangles with full sides touching to make a rectangle?"

B. Partition circles and rectangles into two and four equal shares; describe the shares using the words halves, fourths, and quarters; and use the phrases half of, fourth of, and quarter of. Describe the whole as two of or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.

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	Standards of Mathematical Practice
	Mathematically proficient students
	1. Make sense of problems and persevere in solving them.
	2. Reason abstractly and quantitatively.
	3. Construct viable arguments and critique the reasoning of others.
	4. Model with mathematics.
	5. Use appropriate tools strategically.
	6. Attend to precision.
	7. Look for and make use of structure.
	8. Look for and express regularity in repeated reasoning.
	and the second s
Content Vocabulary	Academic Vocabulary
• vertices/corners	• analyze
• sides	• compare
• 2D shapes	• create
• 3D shapes	 compose
• length	• similarities
• equal	• differences
	attributes
	orientations
	• describe
	• qualities
	• components
	• model
	materials
	environment
	• draw
	• results
	• simple
Formative Assessments	Summative Assessments
See Stepping Stones	See Stepping Stones
Resources	Enrichment Strategies
 http://www.k-5mathteachingresources.com/kindergarten-math- 	
activities.html	
 http://www.apples4theteacher.com/math.html 	

 http://sites.google.com/site/teachnic/math2 http://www.ixl.com/math/kindergarten 	
Integrations • See Stepping Stones	Intervention Strategies • Stepping Stones Small Group Activities