Pojoaque Valley School Mathematics CCSS Pacing Guide Grade K

*Skills adapted from
Kentucky Department of Education
Math Deconstructed Standards
** Evidence of attainment/assessment,
Vocabulary, Knowledge, Skills and
Essential Elements adapted from
Wisconsin Department of Education and
Standards Insights Computer-Based Program

Version 3

2015-2016

Version 3 2015-2016

Pojoaque Valley Schools Math Common Core Pacing Guide Introduction

The Pojoaque Valley Schools pacing guide documents are intended to guide State Standards (CCSS) over the course of an instructional school year. The **by quarter.** Teachers should understand that the **focus standards** emphasiz timeframe. However, because a certain quarter does not address specific star previously taught standards should be reinforced while working on the focus quarter. Some standards will **recur** across all quarters due to their importanc ongoing basis.

The Math pacing guides are grounded in four key components: the key fluer level, the critical areas designated in the CCSS Math Standards, the Commo and the integration of the Standards for Mathematical Practice. In planning i teachers incorporate the 8 mathematical practices for mathematics to ensure are mastered by all students.

The Math CCSS pacing guides contain the following elements:

- Grade Level: Identify the grade level of the intended standard
- **Standard with code:** Defines the knowledge and skills for students. domain and standard number.
- **Domain:** Larger groups of related standards. Standards from differer closely related.
- Cluster: Summarize groups of related standards.
- **Skills and Knowledge:** Identified as subsets of the standard and app the skills and knowledge embedded in the standard to meet the full it

Number and Operations in Base Ten

Use place value understanding and properties of operation perform multi-digit arithmetic.



- Use place value understanding to round whole numbers to the 10 or 100.
- Fluently add and subtract within 1000 using strategies and al based on place value, properties of operations, and/or the rel between addition and subtraction.
- Multiply one-digit whole numbers by multiples of 10 in the rai 10-90 (e.g., 9 × 80, 5 × 60) using strategies based on place va properties of operations.

Version 2 of the Pojoaque Valley School District Pacing guides for Reading Language Arts and Mathematics are based on the done by staff and teachers of the school district using the Kentucky model, and a synthesis of the excellent work done by Wisconsin Cooperative Educational Service Agency 7 (CESA 7) School Improvement Services, Green Bay, WI. (2010), *Standards Insight project*.

Standards Insight was developed to give educators a tool for in depth investigation of the Common Core State Standards (CCSS). The CCSS are "unpacked" or dissected, identifying specific knowledge, skills, vocabulary, understandings, and evidence of student attainment for each standard. Standards Insight may be used by educators to gain a thorough grasp of the CCSS or as a powerful collaborative tool supporting educator teams through the essential conversations necessary for developing shared responsibility for student attainment of all CCSS. . . . serves as a high-powered vehicle to help educators examine the standards in a variety of ways.

The Version 2 Pojoaque Valley School District Pacing guides present the standard with levels of detail and then the necessary skills by quarter based on the Kentucky model. On the second page for each standard, the synthesis of the *Standards Insight* project is presented in a way that further defines and refines the standard such that teachers may use the information to refine their teaching practices.

Based on this synthesis of work and the purpose for the unpacking, the following fields were selected as most helpful to aid in understanding of the Common Core Standards that will lead to shifts in instruction:

- 1. Evidence of Student Attainment: "What could students do to show attainment of the standard?"
- 2. Vocabulary: "What are key terms in the standard that are essential for interpretation and understanding in order for students to learn the content?"
- 3. Knowledge: "What does the student need to know in order to aid in attainment of this standard?"
- 4. Skills and Understanding: "What procedural skill(s) does the student need to demonstrate for attainment of this standard?", and "What will students understand to attain the standard?"

The following fields are included in Version 2:

Evidence of Student Attainment: This field describes what the standard may look like in student work. Specific expectations are listed in performance terms showing what students will say or do to demonstrate attainment of the standard.

Standards Vocabulary: This field lists words and phrases specific to each standard. Shared interpretation and in depth understanding of standards vocabulary are essential for consistent instruction across and within grade levels and content areas.

Knowledge: The knowledge field lists what students will need to know in order to master each standard (facts, vocabulary, and definitions).

Skills and Understanding: The skills field identifies the procedural knowledge students apply in order to master each standard (actions, applications, strategies), as well as the overarching understanding that connects the standard, knowledge, and skills. Understandings included in *Standards Insight* synthesize ideas and have lasting value.

Instructional Achievement Level Descriptors: This field lists, by level what a teacher can expect to see in a student who achieves at a particular level. Additionally teachers can use this filed to differentiate instruction to provide further growth for student's in moving from one level to another. This field can be used to provide specific teaching approaches to the standard in question.

A Note About High School Standards: The high school standards are listed in conceptual categories. Conceptual categories portray a coherent view of high school instruction that crosses traditional course boundaries. We have done everything possible, with teacher input, to link individual standards to the appropriate pacing guides,

References to Tables: References to tables within the standards in the *Standards Insight* tool refer to Tables 1-5 found in the glossary of the Mathematics Common Core State Standards document found at www.corestandards.org.

		ı		
Quarterly View of Standards				
Kindergarten Mathematics Pacing Guide				
Quarter	1	2	3	4
K.CC.1 Count to 100 by ones and by tens.		X		
K.CC.2 Count forward beginning from a given number within the known sequence (instead of having to begin at 1).		X		
Standard with code: K.CC.3 Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no	X	X		
objects).				
K.CC.4abc	X	X		
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.				
K.CC.5 Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in		X	X	
a scattered configuration; given a number from 1-20, count out that many objects.				
K.CC.6		X		
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. ¹				
¹ Include groups with up to ten objects.				
K.CC.7 Compare two numbers between 1 and 10 presented as written numerals.		X		
K.OA.1 Represent addition and subtraction with objects, fingers, mental images, drawings ² , sounds (e.g., claps), acting out situations, verbal explanations,		X	X	
expressions, or equations.				
² Drawings need not show details, but should show the mathematics in the problem. (This applies wherever drawings are				
mentioned in the standards.)				
K.OA.2 Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.			X	X
K.OA.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			X	X
by a drawing or equation (e.g., $5 = 2 + 3$ and $5 = 4 + 1$).				
K.OA.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			X	X
answer with a drawing or equation.				
Quarter	1	2	3	4
K:OA.S Fhiently add and subtract within 5.			X	⁵ X
K.NBT.1 Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g. by using objects and drawings, and record each		X	X	

composition or decomposition by a drawing or equation (e.g., $18 = 10 + 8$); understand that these numbers are composed of ten ones and one, two, three,				
four, five, six, seven, eight, or nine ones.				
K.MD.1 Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object.			X	
K.MD.2 Directly compare two objects with a measureable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the			X	X
difference. For example, directly compare the heights of two children and describe one child as taller/shorter.	1			
K.MD.3 Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. ³	X			
³ Limit category counts to be less than or equal to 10.	1			
	<u> </u>			
K.G.1 Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below,	X			
beside, in front of, behind, and next to.	1			
	X 7			
K.G.2 Correctly name shapes regardless of their orientations or overall size.	X			
K.G.3 Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid").	X			
Standard with code: K.G.4 Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to	1	X		
describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length).				
K.G.5 Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes.	X			
K.G.6 Compose simple shapes to form larger shapes. For example, "Can you join these two triangles with full sides touching to make a rectangle?"	X		•	

Version 3 2015-2016

Grade Level: K										
Standard with code:	Standard with code: K.CC.1 Count to 100 by ones and by tens.									
Domain: Counting and Cardinality		Cluster: Know number	names and the count seq	uence						
Quarter 1:				Quarter 3:		Quarter 4:				
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.			

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:		Students know:	Students understand	EEK.CC.1. Starting	Level IV Students will:
			that/are able to:	with one, count to 10	EEK.CC.1. Starting with any number greater than one, count to 10 by ones.
Use the pattern and		Number word		by ones.	Ex. Count numbers to 10 starting with one and any number great than one and less
regularity in the counting		sequence.	Count sequentially.		than 10.
sequence to orally count in		•			Ex. Count sequentially to 10 starting with one, independent of objects, pictures, or
sequence from 1 to 100 by			The number		things as a student would recite the alphabet.
ones and tens. (twenty-			sequence has an		Ex. Count with or without one-to-one correspondence numbers beyond 10.
ONE, twenty-			inherent pattern		Ex. Count groups of 10.
TWOthirty-ONE, thirty-			which repeats every		Ex. Count backwards from 10.
TWO or Ten, Twenty.			decade.		
Thirty,).					Level III Students will:
					EEK.CC.1. Starting with one, count to 10 by ones.
					Ex. Count number to 10 verbally.
					Ex. Count without one-to-one correspondence to 10 starting with one by rote.
					Ex. Sequentially sing numbers to 10 starting with one.
					Level II Students will:
					EEK.CC.1. Starting with one, count by ones to five.
					Ex. Count own fingers to five verbally.
					Ex. Sequentially, count sequence to five either independent of objects, pictures, or
					things as a student would recite the alphabet or by pointing.
					Ex. Count without one-to-one correspondence to five.
					Ex. Sequentially sing numbers to five.
					Ex. Sing along to counting song.
					Level I Students will:
					EEK.CC.1. Count with teacher from one to two.
					Ex. Count with the teacher to two.

Version 3 2015-2016

Domain: Counting and Cardinality			Cluster: Know number names and the count sequence.							
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:				
			Count forward by 1's beginning with another number other than 1 (verbal sequence only).							
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.			

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:		Students know:	Students understand that/are able to:	EEK.CC.2. N/A	EEK.CC.2. N/A
Use the pattern and		Number word			
regularity in the counting sequence to recognize the		sequence.	Count sequentially.		
position of any number			The number		
between 1 and 100 and			sequence has an		
then continue counting in			inherent pattern		
sequence from the given			which repeats every		
number.			decade no matter		
			where in the		
			counting sequence		
			they start.		

Grade Level: K										
Standard with code: K.O	CC.3 Write numbers from	0 to 20. Represent a nu	mber of objects with a wi	ritten numeral 0-20 (v	vith 0 representing	a count of no objects).			
Domain: Counting and	Cardinality	Cluster: Know number names and the count sequence.								
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:				
Write numerals 0 to 10		Write numerals 0 to 20								
Write the number that repobjects from 0-10.	presents a given number of	Write the number that r of objects from 0-20.	represents a given number							
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.			

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:	Number	Students know:	Students understand	EEK.CC.3. N/A	EEK.CC.3. N/A
Given a number orally or a			that/are able to:		
quantity of objects (from 0-	Numeral	Number sequence,			
20),			Recognize and name		
		Number/ numeral	numerals 0-20,		
Write the corresponding		correspondence.			
numeral.			Write numerals 0-20,		
			Count objects with		
			one-to-one		
			correspondence.		
			Quantities can be		
			represented in a		
			variety of ways (e.g.,		
			number words,		
			objects, symbols).		

CCSS Math Pacing Guide

Grade K

Grade Level: K

Standard with code: K.CC.4abc

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.

		name i	ame refers to a quantity that is one larger.							
Domain: Counting and C	Cardinality		Cluster: Count to tell th	ie number	of objects.					
Quarter 1: Represent quantities using numbers and represent numbers using quantities			Quarter 2: Represent quantities using numbers using quantities	numbers and	l represent	Quarto	er 3:		Quarter 4:	
Match each object with one and only one number name and each number with one and only one object.			Match each object with one name and each number with							
Recognize the number of objects is the same regardless of their arrangement or the order in which they were counted.			Recognize the number of objects is the same regardless of their arrangement or the order in which they were counted.							
Realize that the last number of objects counted.	name said tells the n	ımber	Realize that the last number name said tells the number of objects counted.							
Generalizes that each succes a quantity that is one larger.	sive number name re	fers to	Generalizes that each successive number name refers to a quantity that is one larger.							
When counting objects, say while matching each object		order	When counting objects, say the number names in order while matching each object with a number.							
Make sense of problems and persevere in solving them.	Reason abstractl quantitatively.	y and	Construct viable arguments and critique the reasoning of others.	rguments and mathematics.		_	ppropriate strategically.	Attend to precision.	Look for and make use of structure.	Look for and express regularity in repeated reasoning.
Evidence of Student	Vocabulary	Knowl	ledge Skills Common Co				Instructional	Achievement Level	Descriptors	
Attainment					Essential Elen	101112				

Students:	Cardinality	Students know:	Students understand	EEK.CC.4.	Level IV Students will:
			that/are able to:	Demonstrate one-to-	EEK.CC.4. Demonstrates one-to-one correspondence with more than one.
Strategically use methods to	Quantity	Number word		one correspondence	Ex. When counting objects, say the number names in standard order and pair each object with
keep track of objects in	Quantity		Count acquentially	pairing each object	one and only one number name.
		sequence,	Count sequentially,	with one and only	Ex. Pass pencils out to classmates and count the pencils as each classmate gets a pencil.
order to accurately				one number and each	Ex. Uses one-to-one correspondence when counting up to 10 common objects in the classroom
determine the number of		Strategies for keeping	Strategically apply		(crayons, blocks, buttons).
items in a group,		track of objects that	methods for keeping	name with only one	Ex. Count out 10 pennies to exchange for a dime.
		have already been	track of objects	object.	Ex. Sing a counting song and raise the correct number of fingers with each number.
Use connections between		counted (e.g., crossing	while counting with		Ex. Count dots on dice and move forward corresponding number of spaces on game board.
the counting sequence and		out, moving,	one-to-one		Ex. Round robin count to 10.
the quantity in a group to		organizing objects,	correspondence.		
justify answers to questions		grouping by five).	1		Level III Students will:
such as "What is one			Numbers name		EEK.CC.4. Demonstrate one-to-one correspondence pairing each object with one and only one
more?",			quantities,		number and each name with only one object.
,			quantities,		Ex. Uses one-to-one correspondence when counting up to five common objects in classroom
Explain why there is no			The last number		(crayons, blocks, buttons). Ex. Create sets of objects to five.
need to recount the objects					Ex. Place corresponding number of beans in an egg carton with each section labeled 1-5.
after s/he counts a set of			named when		Ex. Move beads on an abacus as another student counts one to five.
			counting tells the		Ex. Given an egg carton, place five stickers in each section.
objects and then the objects			number of objects		Ex. Given all egg current, place live steriors in each section.
are rearranged.			counted,		Level II Students will:
					EEK.CC.4. Demonstrate one object's correspondence with one object.
			The number of		Ex. Uses one-to-one correspondence when counting up to three common objects in classroom
			objects is the same		(crayons, blocks, buttons).
			regardless if their		Ex. Given bowls, place three balls in each.
			arrangement is		Ex. Match objects by pairing each object with one and only one other number.
			changed or they are		Ex. Given "one" letter in each student's mailbox to go home.
			counted in different		
			orders (e.g., count		Level I Students will:
			right to left, left to		EEK.CC.4. With guidance and support, count one object.
			right, top to bottom),		Ex. Place "one" letter in each student's mailbox to go home.
			1.5, top to cottom),		Ex. Put one object in each section of an egg carton.
			Each successive		Ex. Indicate "one" object when asked, "Where is one [name of familiar object]?"
			number name refers		Ex. Give one pencil to each classmate.
			to a quantity that is		
			one larger.		

Domain: Counting a		0, count out that many objects. Cluster: Count to tell the number of objects.							
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:			
		Count up to 20 objects th a line, rectangular array,	_	Count up to 20 object arranged in a line, recircle					
		Count as many as 10 iten configuration		Count as many as 10 configuration	items in a scattered				
		Match each object with o name and each number w object	•	Match each object winumber name and each and only one object	_				
		Conclude that the last number of the counted sequence signifies the quantity of the counted collection.		Conclude that the las counted sequence sig the counted collection	nifies the quantity of				
		Given a number from 1-20, count out that many objects.		Given a number from many objects.					
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.		

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	

Students:	Count out	Students know:	Students understand	EEK.CC.5. Count	Level IV Students will:
			that/are able to:	out up to three	EEK.CC.5. Counts five objects out of a group of more than five objects.
Justify answers to "how	Rectangular array	Number word		objects from a larger	Counts a given set of five objects, pairing each object with one and only one number
many?" questions by		sequence,	Use one-to-one	set, pairing each	name and when asked, "how many", says five without recounting.
accurately counting the		_	correspondence	object with one and	Ex. Given a box of crayons, select five crayons as requested by teacher.
quantity of objects in a		Strategies for keeping	when counting,	only one number	Ex. Given a set of five objects, count out three objects.
variety of configurations,		track of objects that		name to tell how	Ex. From an array of five objects, count each object in the group only one time and tell
		have already been	Count sequentially,	many.	how many was in the group without recounting the objects.
Given any number from 0		counted.			Ex. Count five children out of all the children only one time and tell how many without
to 20, create corresponding			Strategically apply		recounting.
physical representations of			methods for keeping		
the quantity from a larger			track of objects		Level III Students will:
set.			while counting.		EEK.CC.5. Count out up to three objects from a larger set, pairing each object with
					one and only one number name to tell how many.
			Numbers name		Ex. Given an array of objects, count out three of the objects, counting each object only
			quantities,		once and tell how many.
					Ex. Given a box of crayons, select three crayons as requested by teacher. Ex. Count out three counting bears from a group of five.
			The last number		Ex. Pass out three pages to each student from a stack of paper, counting one, two, three
			named when		each time, and tell how many they gave to the students.
			counting tells the		cach time, and ten now many they gave to the students.
			number of objects		Level II Students will:
			counted,		EEK.CC.5. Counts either one or two objects out of a group of five objects.
					Ex. Given a box of crayons, select either one or two crayons as requested by teacher.
			The number of		Ex. Count out two counting bears from a group of five.
			objects is the same		Ex. Count out two counting cours from a group of five.
			regardless if their		Level I Students will:
			arrangement is		EEK.CC.5. Identify one object out of a group of objects.
			changed or they are		Ex. Identify between a set with one or two apples when asked, "show me one apple"
			counted in different		and make a choice.
			orders.		Ex. Go to the prize box and pick one object.

¹ Include groups with	number of objects in one gro <i>up to ten objects</i> .			oer of objects in anoth	ner group, e.g., by usi	ng matching and cou	nting strategies. ¹
Domain: Counting an	d Cardinality	Cluster: Compare num	bers				
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:	
		Describe greater than, les	ss than, or equal to.				
		Determine whether a group of 10 or fewer objects is greater than, less than, or equal to another group of 10 or fewer objects.					
Make sense of problems and persevere in solving them.	nd quantitatively. arguments and critique the reasoning mathematics.		Use appropriate tools strategically.	Attend to precision.	Look for and make use of structure.	Look for and express regularity in repeated reasoning.	

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Explain and justify answers to questions such as "Which group has more?" or "Which group has less?" by using strategies for comparing quantities of physical objects such as one-to-one matching, recognizing without counting the number of objects (subitizing) in familiar arrangements, or counting. (Include groups with up to ten objects).		Strategies for determining whether the number of objects in one group is greater than, less than, or equal to the number of objects in a second group.	Students understand that/are able to: Strategically apply methods for comparing the number of objects in two or more groups, Recognize without counting, the number of objects (subitizing) in familiar arrangements. Successive number names refer to quantities that are larger than the previous numbers in the counting sequence.	whether the number of objects in one group is more or less than (when the quantities are clearly different) or equal to the number of objects in another group.	Level IV Students will: EEK.CC.6. Identify whether the number of objects in one group is more or less than or equal to the number of objects in another group. Ex. Identify which group has more from two groups created by the teacher (e.g., The teacher creates two groups of manipulative objects whose total quantity is within three. Given two groups of blocks, for example, one group has seven blocks and the other has four, the student is able to identify which group has more blocks. The teacher asks which group has more and the student identifies it. Ex. Given two groups of blocks, one group has eight blocks and other has five, identify which group has less blocks. Ex. Given two groups of blocks, one group of eight students, indicate that there are MORE students than papers by counting the people and then counting the papers. Level III Students will: EEK.CC.6. Identify whether the number of objects in one group is more or less (when the quantities are clearly different) or equal to the number of objects in another group. Ex. Given a choice of two boxes of blocks, one box with nine blocks and one box with four blocks, identify which box has more blocks. Ex. Given a choice of two boxes of blocks, one box with eight blocks and one box with four blocks, identify which box has fewer blocks. Level II Students will: EEK.CC.6. Given two groups of dramatically different quantities of objects, identify which group has more. Ex. When two groups of objects are counted out to the student, identify which has more objects than another group (e.g., using matching and counting strategies). Ex. Given a choice of two boxes of blocks with a difference in quantity of at least twice the other, identify which has more. Ex. Given two bowls of snacks with a large difference in quantity of at least twice the other, identify which has more. Ex. Given a choice of two boxes of blocks with a different quantities of materials, explore the quantity while the teacher is talking about the language of more. Ex. Using sand/water/ball

Grade Level: K							
Standard with code: K.CC.7 Compare two numbers between 1 and 10 presented as written numerals. Domain: Counting and Cardinality Cluster: Compare numbers							
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:	
		Know the quantity of each numeral. Determine whether a written number is greater than, less than, or equal to another written number.					
Make sense of problems and persevere in solving them.	Make sense of construct viable arguments and construct viable arguments and critique the reasoning mathematics.		Use appropriate tools strategically.	Attend to precision.	Look for and make use of structure.	Look for and express regularity in repeated reasoning.	

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:		Students know:	Students understand	EEK.CC.7. N/A	EEK.CC.7. N/A
			that/are able to:		
Justify their identification		Number word			
of the larger or smaller of a		sequence,	Count sequentially,		
pair of numerals using a					
variety of strategies. (e.g.,		Number - numeral	Strategically apply		
referring to their order in		correspondence,	strategies for		
the counting sequence,			comparing numbers.		
modeling the quantities,		Strategies for			
using relational thinking		determining whether	Successive number		
such as, "I know that 6 is		one number in written	names refer to		
more than 3 and I know that		form is greater than,	quantities that are		
10 is more than 6, so 10		less than, or equal to a	larger than the		
must be more than 3.).		second number.	previous numbers in		
			the counting		
			sequence.		

Grade K

Grade Level: K

Standard with code: K.OA.1 Represent addition and subtraction with objects, fingers, mental images, drawings², sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.

²Drawings need not show details, but should show the mathematics in the problem. (This applies wherever drawings are

mentioned in the standa	ards.)						
Domain: Operations an	nd Algebraic Thinking	Cluster: Understand ad	ldition as putting togeth	er and adding to, and	understand subtracti	on as taking apart an	d taking from.
On out on 1.		On out on 1.		0		On auton 4.	
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:	
		Know adding is putting togeth	ner parts to make the whole.	Know adding is putting to whole.	gether parts to make the		
		Know subtracting is taking ap whole to find the other part.	art or taking away from the	Know subtracting is taking			
				from the whole to find the	other part.		
		Know the symbols (+, -, =) an equal) for adding and subtract	4	Know the symbols (+, -, = minus, equal) for adding a			
		Analyze addition or subtraction	on problem to determine	8			
		whether to 'put together' or 't		Analyze addition or subtra			
				determine whether to 'put	together' or 'take apart'.		
		Model an addition/subtraction	problem given a real-life	Model an addition/subtrac	tion problem given a real		
		story.		life story.	non problem given a rear-		
		Represent addition and subtra	ction with objects, fingers,	mie svorj.			
		mental images, drawings, sou	, ,	Represent addition and sul	2		
		verbal explanations, expression		fingers, mental images, dra			
	ways, e.g., 2+3=5, 5=2+		+ = , ana verncany.	out situations, verbal explaequations in multiple ways + = , and vertically.			
					T		
Make sense of	Reason abstractly and	Construct viable	Model with	Use appropriate tools	Attend to precision.	Look for and make	Look for and
problems and	quantitatively.	arguments and	mathematics.	strategically.		use of structure.	express regularity
persevere in solving		critique the reasoning of					in repeated
them.		others.					reasoning.

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors

Attainment				Essential Elements	
Students:	Expression	Students know:	Students understand	EEK.OA.1. Represent	Level IV Students will:
Given oral descriptions of	1		that/are able to:	addition as "putting	EEK.OA.1. Represent addition as "putting together" and subtraction as "taking from" with
addition and subtraction	Equation	Characteristics of		together" or subtraction	quantities to 10.
mathematical contexts,	Equation	addition and subtraction	Represent quantities	as "taking from" in	Ex. Combine two sets of objects, pictures, or things to make one set of 10 through the use of
		contexts (putting	and operations	everyday activities.	assistive technology or C device.
Create and explain		together, adding to,	(addition &		Ex. Take away one set of objects from 10 and determine how many remain.
representations of the		taking apart, and taking	subtraction) physically,		Ex. Using a simple story context and objects, the student puts together and takes from as
quantities and the actions in		from),	pictorially, or		appropriate by directly modeling the problem with objects, actions, or symbols.
the situations using physical,		,,	symbolically,		Ex. Follow directions to gather enough materials for everyone and then passes them out to each
pictorial, or symbolic		Addition and subtraction			student.
representations.		strategies.	Use informal and		Ex. Put a counting bear with a group to add or take away a counting bear to subtract.
		Strategies.	mathematical language		Level III Students will:
			to communicate the		EEK.OA.1. Represent addition as "putting together" or subtraction as "taking from" in
			connections among		everyday activities.
			addition and		Ex. Identify the total number of crayons when one student has three crayons and another
			subtraction contexts		student has two, and they put their crayons together to share. Describe the action as put
			and related physical,		together.
			pictorial, or symbolic		Ex. Add to a group of crayons when told to add to group.
			representations.		Ex. Take away from a group of crayons when told to take away from the group.
					Ex. Given five stickers, give another student one of the five stickers, and describes the action as
			Both putting together		take away. Ex. Join linking cubes to show action/process of putting together or addition.
			and adding to can be		Ex. Break apart linking cubes/snap blocks/bristle blocks/pop-beads to show action/process of
			viewed as addition,		taking from or subtraction.
			,		Level II Students will:
			Both taking apart and		EEK.OA.1. Follow directions to "put together" by adding one or "take from" by taking one.
			taking from can be		Ex. Given a bowl of counting bears, add a counting bear to the bowl. The teacher calls the
			viewed as subtraction.		action "putting together" or addition.
					Ex. Take one when the teacher is passing out supplies and directs the students to take one. The
					teacher calls the action "taking away" or subtraction.
					Ex. Place popsicle sticks into a circle and use language to describe addition or "putting
					together".
					Ex. Using cubes, create towers by adding or taking away one cube at a time.
					Ex. Remove popsicle sticks from a circle and use language to describe subtraction or "taking
					from".
					Level I Students will:
					EEK.OA.1. "Put together" or "take from" with teacher.
					Ex. The teacher and student together add a block to a stack while teacher says, "put together."
					Ex. The teacher and student together take a block from a stack while the teacher says, "take
					away."

Grade Level: K								
	K.OA.2 Solve addition and s and Algebraic Thinking	ubtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem. Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.						
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:		
				Add and subtract wit sum and minuend is	`	Add and subtract wit sum and minuend is	`	
				Solve addition and subtraction word problems within 10.		Solve addition and subtraction word problems within 10.		
				Use objects/drawings to represent an addition and subtraction word problem.		Use objects/drawings to represent an addition and subtraction word problem.		
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.	

Version 3 2015-2016 23

Evidence of Student Attainment	Vocabulary	Knowledge	Skills	Common Core Essential Elements	Instructional Achievement Level Descriptors
Students: Given oral addition and subtraction word problems within 10, Explain and justify solutions and solution paths using connections among a variety of representations (e.g., acting out with objects, manipulatives, drawings, etc.).		Characteristics of addition and subtraction contexts (putting together, adding to, taking apart, and taking from), Addition and subtraction strategies.	Students understand that/are able to: Represent quantities and operations (addition & subtraction) physically, pictorially, or symbolically, Strategically use a variety of representations to solve addition and subtraction word problems, Use informal and mathematical language to communicate the connections among addition and subtraction contexts and related physical, pictorial, or symbolic representations, Accurately compute sums and differences. Both putting together and adding to can be viewed as addition, Both taking apart and taking from can be viewed as subtraction, Mathematical problems can be solved using a variety of strategies and representations.	EEK.OA.2. N/A	EEK.OA.2. N/A

Standard with code: K.OA.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 by a drawing or equation (e.g., 5 = 2 + 3 and 5 = 4 + 1). Domain: Operations and Algebraic Thinking Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.								
Quarter 1:	is and Algebraic I hinking	Quarter 2:	idition as putting togethe	Quarter 3:	understand subtract	Quarter 4:	and taking from.	
				Solve addition numb 10. Decompose numbers 10 into pairs in more Use objects or drawin composition by a dra equation.	less than or equal to than one way.	Decompose numb 10 into pairs in mo	ers less than or equal to ore than one way. wings then record each drawing or writing an	
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.	

25 Version 3 2015-2016

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:	Decompose	Students know:	Students understand	EEK.OA.3. N/A	EEK.OA.3. N/A
Given any number less or			that/are able to:		
equal to 10,	Equation	Vocabulary: equal to			
	•	and the concept of	Represent quantities		
Persist as they use objects		equality meaning the	physically,		
or drawings to decompose		"same amount as".	pictorially, and		
the given number into at			symbolically.		
least two unique pairs of					
smaller numbers,			Quantities may be		
			named in a variety of		
Record their solutions using			ways.		
pictures or equations.					

with a drawing or eq Domain: Operations	and Algebraic Thinking	Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.								
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:				
Quarter 1:		Quarter 2:		Quarter 3: Know that two numbers can be added together to make ten Using materials or representations, find the number that makes 10 when added to the given number for any number from 1 to 9, and record the answer using materials, representations, or equations.		Quarter 4: Know that two numbers can be added together to make ten Using materials or representations, find the number that makes 10 when added to the given number for any number from 1 to 9, and record the answer using materials, representations, or equations.				
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.			

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:		Students know:	Students understand	EEK.OA.4. N/A	EEK.OA.4. N/A
Given any number from 1 to			that/are able to:		
9,		Strategies for finding			
		missing parts of	Represent quantities		
Use a variety of		numbers when	and operations		
representations and problem		numbers are being	physically,		
solving strategies to		composed or	pictorially, or		
determine the number that		decomposed.	symbolically,		
when added to the given					
number equals 10,			Strategically use a		
			variety of		
Orally explain and justify the			representations to		
written representations			solve problems.		
(drawing or equation) of					
their solutions.			Two smaller		
			quantities may be		
			joined to create a		
			larger target		
			quantity,		
			A quantity may be		
			broken into two		
			smaller quantities,		
			Mathematical tools		
			and representations		
			(e.g., ten frames, ten		
			fingers) can be used		
			to solve problems		
			efficiently.		

Grade Level: K									
Standard with code	e: K.OA.5 Fluently add and su	btract within 5.							
Domain: Operations and Algebraic Thinking		Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.							
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:			
				Fluently with speed a subtract within 5.	and accuracy add and	Fluently with speed subtract within 5.	and accuracy add and		
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		

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential	
				Elements	
Students:		Students know:	Students understand	EEK.OA.5.	EEK.OA.5. N/A
			that/are able to:	N/A	
Use an efficient strategy		Strategies for			
(e.g., recall, doubles,		efficiently	Use addition strategies		
derived facts, close to		determining sums and	efficiently.		
doubles, counting on 1 or 2,		differences within 5.			
counting back 1 or 2) to			Efficient use of		
accurately name the sums			computation strategies		
or differences within 5.			involves sense-making		
			with the numbers in the		
			problem.		

Grade Level: K Standard with code: K.NBT.1 Compose and de or decomposition by a drawing or equation (e.g.	-				<u> </u>	-
Domain: Number and Operations in Base Ten		mbers 11-19 to gain foun			, , , , , , , , ,	,
Quarter 1:	Quarter 2:		Quarter 3:		Quarter 4:	
	Know that a (spoken) nu	mber (11-19) represents				
	a quantity.		Know that a (spoken			
	TT 1 . 1.1 . 1	11.10	represents a quantity	•		
	Understand that numbers		TT 1 4 141 4	1 11 10		
		ree, four, five, six, seven,	Understand that num composed of 10 ones			
	eight, or nine ones.		four, five, six, seven,			
	Represent compositions	or decompositions by a	iour, rive, six, seven,	eight, of fille ones.		
	drawing or equation.	± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ±		Represent compositions or		
	8 - 1		decompositions by a drawing or equation.			
	Compose numbers 11-19	into ten ones and some		0 1		
	further ones using objects and drawings.		Compose numbers 11-19 into ten ones			
			and some further ones using objects and			
	Decompose numbers 11-		drawings.			
	some further ones using	objects and drawings.	Decompose numbers 11-19 into ten ones and some further ones using objects and			
				is using objects and		
Make sense of Reason abstractly and	Construct viable	Model with	drawings. Use appropriate	Attend to	Look for and	Look for and
problems and quantitatively.	arguments and	mathematics.	tools strategically.	precision.	make use of	express regularity
persevere in solving	critique the reasoning				structure.	in repeated
them.	of others.					reasoning.

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment	-			Essential Elements	·
Students:	Equation	Students know:	Students understand	EEK.NBT.1. N/A	EEK.NBT.1. N/A (See EEK.NBT.1.4 and EEK.NBT.1.6)
Given any two-digit number			that/are able to:	(See EEK.NBT.1.4	
between 10 and 20,		Number sequence to		and EEK.NBT.1.6)	
		20,	Use place value		
Use a variety of			models (e.g. base ten		
representations (e.g.,		Part-part-whole.	blocks, pictorial		
symbolic: 10+8; pictorial:		1	models) to		
one line and 8 dots;			decompose numbers.		
physical: place value					
blocks, bundles of sticks, or			Ten things can be		
groups of fingers, etc.) to			represented as one		
show and explain the			ten or as ten ones.		
decomposition of the					
number into one group of					
10 and the correct number					
of ones.					

Grade Level: K								
Standard with code: K.MD.1 Describe measura				urable attributes of a	single object.			
Domain: Measurement and Data	Cluster: Describe and o	compare measureable at	tributes					
Quarter 1:	Quarter 2:		Quarter 3:		Quarter 4:	Quarter 4:		
			Know that objects hat attributes and know such as length and w	what they are called,				
			Describe an object be such as: width, heigh	y using attributes at, length, weight, etc.				
			Describe more than a attribute of a single of					
Make sense of Reason abstractly and	Construct viable	Model with	Usa annyanyiata	Attend to	Look for and	Look for and		
problems and persevere in solving them.	arguments and critique the reasoning of others.	mathematics.	Use appropriate tools strategically.	precision.	make use of structure.	express regularity in repeated reasoning.		

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:	Attribute	Students know:	Students understand	EEK.MD.1-3.	Level IV Students will:
Given a variety of 2D and			that/are able to:	Classify objects	EEK.MD.1-3. Order objects according to attributes (big/smaller/smallest,
3D objects,		Words for describing		according to	heavy/lighter/lightest).
		the measurable	Describe measurable	attributes (big/small,	Ex. Given two backpacks of different weight, describe or demonstrate which one is
Use informal language		attributes of objects.	attributes of objects	heavy/light).	heavier.
(short, tall, heavy, light, fat,			using informal		Ex. Given two cubes of different sizes, describe or demonstrate which cube is bigger
skinny, etc.) to describe			language.		and which cube is smaller.
measurable attributes of					Ex. Compare heights of two classmates to a standard such as a meter stick.
objects such as length or			objects have		Ex. Compare sports balls (baseball, basketball, tennis ball, etc.) using various lengths
weight.			measurable attributes		of yarn.
			that can be		Ex. Given blocks of varying sizes, identify which are heavier/lighter and
			described.		smaller/bigger.
					Level III Students will:
					EEK.MD.1-3. Classify objects according to attributes (big/small, heavy/light).
					Ex. Given a big book and a small book, describe or demonstrate which one is bigger
					and which one is smaller.
					Ex. Given the shoe of a student and the teacher, identify which one is bigger and
					which one is smaller.
					Ex. Sort heavy and light objects according to weight.
					Ex. Given the hand of a student in the class and the hand of the teacher, identify
					which one is bigger and which one is smaller.
					Ex. Given two objects of varying weight, describe or demonstrate which is
					heavy/light or large/small.
					Level II Students will:
					EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or
					heavy/light).
					Ex. Sort counting bears by size using a model or template.
					Ex. Given two objects, where one is at least twice the size of the other, identify which
					one is bigger and which one is smaller with descriptive prompts from the teacher.
					Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the
					teacher use voice inflections and kinesthetic motions to exaggerate bigger and
					smaller.
					Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate.
					Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,

beach ball, and a rock).
Ex. Given two pictures of real-life objects, select the bigger one.
Level I Students will:
EEK.MD.1-3. Match objects by attribute big and small.
Ex. Touch a large object (such as a pumpkin) as teacher describes it as big when
compared to a smaller pumpkin toy.
Ex. Indicate small pumpkin as teacher describes it as small when compared with a
large pumpkin.
Ex. Indicate if they want the big ball or the small ball.

Grade Level: K									
			sureable attribute in commo	,	has "more of"/"less	of" the attribute, and	l describe the		
	1 1 1		d describe one child as taller/s						
Domain: Measure	ment and Data	Cluster: Describe and compare measureable attributes							
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:			
						Know the meaning of the following words: more/less, taller/shorter, etc.			
				Know that two objects can be compared using a particular attribute.		Know that two objects can be compared using a particular attribute.			
				which has more and which has less of the measureable attribute to describe the		Compare two objects and determine which has more and which has less of the measureable attribute to describe the difference.			
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.		

Version 3 2015-2016 36

Students know. It sed direct comparison of physical objects to determine and explain which object has "more of" or "less of" the attribute. Students know. Students know. Comparison words for physical objects to determine and explain which object has "more of" or "less of" the attribute. Directly compare two objects of or "less of" the attribute. Objects and geometric figures have measurable attributes that allow them to be compared. Objects and geometric figures have measurable attributes that allow them to be compared. EEK.MD.1-3. Order objects according to attributes (big/smaller/smallest, heavy/light). Fix. Given to be a standard such as a meer stick. Fix. Compare sports balls (baseball, baskethall, tennis hall, etc.) using various lengths of yarn. Ex. Given two cubes of different sizes, describe or demonstrate which one is bigger and which one is smaller. Fix. Compare sports balls (baseball, baskethall, tennis hall, etc.) using various lengths of yarn. Ex. Given the shee of a student and the teacher, identify which one is bigger and which one is smaller. Fix. Given the shee of a student and the teacher, identify which one is bigger and which one is smaller. Fix. Given the shee of a student and the teacher, identify which one is bigger and which one is smaller. Fix. Given the shee of a student and the teacher, identify which one is bigger and which one is smaller. Fix. Given two objects of varying weight, describe or demonstrate which one is bigger and which one is smaller. Fix. Given two objects of varying weight, describe or demonstrate which one is bigger and which one is smaller. Fix. Given two objects of varying weight, describe or demonstrate which is heavy/light). Fix. Sort counting hears by size using a model or template, sort objects by one attribute (big/small or heavy-light) and the same of the teacher use voice inflections and winestone is legar and which one is legar and which one is legar and which one is smaller the teacher use voice inflections and kinestitete motions to exagerate. F	Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Use direct comparison of physical objects to determine and explain which object has "more or" or "less of" the attribute. **Comparison words for measurable attributes of geometric stapes (e.g., taller, shorter, heavier, lighter, holds more, holds less). **Directly compare or or "less of" the attribute. **Objects to determine and explain which object has "more or" or "less of" the attribute. **Objects to object has "more or" or "less of" the attribute. **Objects and geometric figures have measureable attributes that allow them to be compared. **Objects and geometric figures have measureable attributes that allow them to be compared. **Objects and geometric figures have measureable attributes that allow them to be compared. **Directly compare or or or or "less of the attribute. **Objects and geometric figures have measureable attributes that allow them to be compared. **Directly compare have backpacks of different weight, describe or demonstrate which one is bigger and which one is smaller. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Compare heights of two classmates to a standard such as a motor stick. **Ex. Given two b	Attainment				Essential Elements	
Use direct comparison of physical objects to determine and explain which object has "more of" or "less of" the attribute. The attribute of geometric shapes (e.g., taller, shorer, heavier, lighter, holds more, holds less). Objects and geometric figures have measureable attributes to be compared. Objects and geometric figures have measureable attributes that allow them to be compared. Objects and geometric figures have measureable attributes that allow them to be compared. Objects and geometric figures have measureable attributes that allow them to be compared. Objects and geometric figures have measureable attributes that allow them to be compared. Objects and geometric figures have measureable attributes that allow them to be compared. Ex. Given the shoe of a student and the leacher, identify which one is bigger and which one is smaller. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is bigger and which one is smaller. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is bi	Students:	Direct comparison	Students know:			
measurable attribute of geometric shapes (e.g., taller, shorer, heavier, lighter, holds less). Tess of "the attribute. "less of "the attribute in question. Objects and geometric figures have measureable attributes that allow them to be compared. Objects and geometric figures have measureable attributes that allow them to be compared. It will be the short of a student and the teacher, identify which one is bigger and which one is smaller. Ex. Given those sof different weight, describe or demonstrate which one is heavy and which one is smaller. Ex. Compare heights of two classmates to a standard such as a meter stick. Ex. Compare heights of two classmates to a standard such as a meter stick. Ex. Compare heights of two classmates to a standard such as a meter stick. Ex. Compare sports balls (baseball, baseball, baseball				that/are able to:		
of geometric shapes (c.g., taller, shorter, heavier, lighter, holds more, holds less). of geometric shapes (c.g., taller, shorter, heavier, lighter, holds more, holds less). of geometric shapes (c.g., taller, shorter, heavier, lighter, holds more, holds less). of geometric figures have measureable attributes that allow them to be compared. of yarn. less of the attribute in the more of yor and geometric figures have measureable attributes that allow them to be compared. of yarn. less (given thouse) of yarn, lix, Given blocks of varying sizes, identify which are heavier/lighter and smaller. Ex. Given a big book and a small book, describe or demonstrate which one is bigger and which one is smaller. Ex. Given the shoe of a student and the teacher, identify which one is bigger and wh	<u>*</u>				<u> </u>	
which object has "more of" or "less of" the attribute. Ex. Given two cubes of different sizes, describe or demonstrate which cube is bigger and which cube is smaller.						
or "less of" the attribute. heavier, lighter, holds more, holds less). has "more of" or "less of" the attribute in question. Objects and geometric figures have measureable attributes that allow them to be compared.					heavy/light).	
"less of" the attribute in question. Objects and geometric figures have measureable attributes that allow them to be compared. Level III Students will: EX. Compare beights of two classmates to a standard such as a meter stick. Fx. Compare sports balls (baseball, basketball, tennis ball, etc.) using various lengths of yarn. EX. Given blocks of varying sizes, identify which are heavier/lighter and smaller/bigger. Level III Students will: EEX.MD.1-3. Classify objects according to attributes (big/small, heavy/light). Fx. Given a big book and a small book, describe or demonstrate which one is bigger and which one is smaller. Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). EX. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is bigger and which one is bigger and which one is natiler with descriptive prompts from the teacher. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is natiler with descriptive prompts from the teacher. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is natiler with descriptive prompts from the teacher. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher use voice inflections and motions to exagegrate bigger and smaller. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball, ex.) on light (e.g., bowling ball, ex.)						
in question. Objects and geometric figures have measureable attributes that allow them to be compared. Ex. Given blocks of varying sizes, identify which are heavier/lighter and smaller/bigger. Level III Students will: EEK.MDI-3. Classify objects according to attributes (big/small, heavy/light). Fx. Given a big book and a small book, describe or demonstrate which one is bigger and which one is smaller. Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is smaller. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MDI-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher using voice inflections and kinesthetic motions to exaggerate. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,	or "less of" the attribute.					
Objects and geometric figures have measureable attributes that allow them to be compared. Level III Students will: EEK.MD.1-3. Classify objects according to attributes (big/small, heavy/light). Fx. Given a big book and a smalle took, describe or demonstrate which one is bigger and which one is smaller. Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort occurring bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Lieutify bigger ball when shown a beach ball and a temnis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate.			more, holds less).			
Objects and geometric figures have measureable attributes that allow them to be compared. Ex. Given blocks of varying sizes, identify which are heavier/lighter and smaller/bigger. Evel III Students will: EK.MD.1-3. Classify objects according to attributes (big/small, heavy/light). Ex. Given a big book and a small book, describe or demonstrate which one is bigger and which one is smaller. Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is bigger and which one is smaller. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light), Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller, Ex. Identify the bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller, Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher use voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,				in question.		
smaller/bigger. Level III Students will: EEK.MD.1-3. Classify objects according to attributes (big/small, heavy/light). Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is smaller. Ex. Given the shoe of a student in the class and the hand of the teacher, identify which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball, and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball, and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball, and listening to the teacher using voice inflecti						
Level II Students will: EEK.MD.1-3. Classify objects according to attributes (big/small, heavy/light). EX. Given a big book and a small book, describe or demonstrate which one is bigger and which one is smaller. EX. Given the shoe of a student and the teacher, identify which one is bigger and which one is smaller. EX. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. EX. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. EX. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. EX. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher use voice inflections and motions to exaggerate. EX. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,				Objects and		
attributes that allow them to be compared. Level II Students will: EEK.MD.1-3. Classify objects according to attributes (big/small, heavy/light). Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is smaller. Ex. Given the shoe of a student and the teacher, identify which one is smaller. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is bigger and which one is smaller. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						smaller/bigger.
them to be compared. EEK.MD.1-3. Classify objects according to attributes (big/small, heavy/light). Ex. Given a big book and a small book, describe or demonstrate which one is bigger and which one is smaller. Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is smaller. Ex. Sort heavy and light objects according to weight. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Given a big book and a small book, describe or demonstrate which one is bigger and which one is smaller. Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is smaller. Ex. Sort heavy and light objects according to weight. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exagegrate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher use voice inflections and motions to exagegrate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
and which one is smaller. Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is smaller. Ex. Sort heavy and light objects according to weight. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher use voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Given the shoe of a student and the teacher, identify which one is bigger and which one is smaller. Ex. Sort heavy and light objects according to weight. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,				compared.		
one is smaller. Ex. Sort heavy and light objects according to weight. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Sort heavy and light objects according to weight. Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Given the hand of a student in the class and the hand of the teacher, identify which one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher using voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a polf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
one is bigger and which one is smaller. Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
or large/small. Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Level II Students will: EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						of farge/silian.
EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						Level II Students will
heavy/light). Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Sort counting bears by size using a model or template. Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Given two objects, where one is at least twice the size of the other, identify which one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
one is bigger and which one is smaller with descriptive prompts from the teacher. Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller. Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
teacher using voice inflections and motions to exaggerate. Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,						
beach ball, and a rock).						beach ball, and a rock).

	Ex. Given two pictures of real-life objects, select the bigger one.
	Level I Students will:
	EEK.MD.1-3. Match objects by attribute big and small.
	Ex. Touch a large object (such as a pumpkin) as teacher describes it as big when
	compared to a smaller pumpkin toy.
	Ex. Indicate small pumpkin as teacher describes it as small when compared with a
	large pumpkin.
	Ex. Indicate if they want the big ball or the small ball.

CCSS Math Pacing Guide Grade K Grade Level: K

Domain: Measurement an	d Data	Cluster: Classify objects and count the number of objects in each category.								
Quarter 1: Recognize non-measurable a color	attributes such as shape,	Quarter 2:		Quarter 3:		Quarter 4:				
Recognize measurable attrib height	outes such as length, weight,									
Know what classify means										
Know what sorting means										
Know that a category is the o according to a particular,	group that an object belongs selected attribute									
Understand one to one correspigates	espondence with ten or less									
Classify objects into categor	ries by particular attributes									
Count objects in a given gro	up.									
Sort objects into categories anumber of objects in each categories to be less than or equipment of the categorized by the mare more red than green, the the green.)	ategory (limit category al to ten) For example, if he attribute of color, then are umber in each group (there									
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			

39 Version 3 2015-2016

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:	Sort	Students know:	Students understand	EEK.MD.1-3.	Level IV Students will:
Given a group of objects,			that/are able to:	Classify objects	EEK.MD.1-3. Order objects according to attributes (big/smaller/smallest,
	Classify	Category descriptors		according to	heavy/lighter/lightest).
Sort the objects into teacher		such as triangles,	Sort objects,	attributes (big/small,	Ex. Given two backpacks of different weight, describe or demonstrate which one is
determined categories (no		rectangles, round,		heavy/light).	heavier.
more than ten objects in any		curved sides, color,	Effectively use		Ex. Given two cubes of different sizes, describe or demonstrate which cube is bigger
category), count the number		etc.	strategies to count		and which cube is smaller.
of objects in each category,			groups of objects.		Ex. Compare heights of two classmates to a standard such as a meter stick.
and order the categories by					Ex. Compare sports balls (baseball, basketball, tennis ball, etc.) using various lengths
count.			Geometric shapes		of yarn.
			can be grouped into		Ex. Given blocks of varying sizes, identify which are heavier/lighter and
			classes of shapes that		smaller/bigger.
			all seem to be alike		
			based on their visual		Level III Students will:
			characteristics (and		EEK.MD.1-3. Classify objects according to attributes (big/small, heavy/light).
			thereby named).		Ex. Given a big book and a small book, describe or demonstrate which one is bigger
			,		and which one is smaller.
					Ex. Given the shoe of a student and the teacher, identify which one is bigger and which
					one is smaller.
					Ex. Sort heavy and light objects according to weight.
					Ex. Given the hand of a student in the class and the hand of the teacher, identify which
					one is bigger and which one is smaller.
					Ex. Given two objects of varying weight, describe or demonstrate which is heavy/light
					or large/small.
					Level II Students will:
					EEK.MD.1-3. Using a model or a template, sort objects by one attribute (big/small or
					heavy/light).
					Ex. Sort counting bears by size using a model or template.
					Ex. Given two objects, where one is at least twice the size of the other, identify which
					one is bigger and which one is smaller with descriptive prompts from the teacher.
					Ex. Identify bigger ball when shown a beach ball and a tennis ball, and listening to the
					teacher use voice inflections and kinesthetic motions to exaggerate bigger and smaller.
					Ex. Identify the bigger ball when shown a golf ball and beach ball and listening to the
					teacher using voice inflections and motions to exaggerate.
					Ex. Sort objects in the classroom into groups of heavy and light (e.g., bowling ball,
					beach ball, and a rock).
					ocaen our, and a rock).

	Ex. Given two pictures of real-life objects, select the bigger one.
	Level I Students will:
	EEK.MD.1-3. Match objects by attribute big and small.
	Ex. Touch a large object (such as a pumpkin) as teacher describes it as big when
	compared to a smaller pumpkin toy.
	Ex. Indicate small pumpkin as teacher describes it as small when compared with a
	large pumpkin.
	Ex. Indicate if they want the big ball or the small ball.

Grade Level: K											
	•	e environment using nan	nes of shapes, and describ	e the relative position	s of these objects usin	ng terms such as <i>abo</i> v	e, below, beside, in				
front of, behind, and nex Domain: Geometry	xt 10.	Cluster: Identify and do	Cluster: Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).								
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:					
Describe positions such a front of, behind, and next Determine the relative podimensional or 3-dimensenvironment, using the awards.	osition of the 2- ional shapes within the										
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.				

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:		Students know:	Students understand	EEK.G.1. Identify	Level IV Students will:
			that/are able to:	words of proximity to	EEK.G.1. Use words referring to frames of reference or demonstrate relative
Describe objects in the		2D and 3D shapes		describe the relative	position.
environment using names of		(triangle, square,	Describe objects in	position.	Ex. Given manipulatives, follow directions to place them in proper position (put the
shapes (squares, circles,		rectangle, hexagon,	the environment		dog behind the boy).
triangles, rectangles,		rhombus, circle, cube,	using names of		Ex. When looking at birds outside the window, tell where the bird is (e.g., in the tree,
hexagons, cubes, cones,		pyramid, sphere, and	shapes,		or on the wire).
cylinders, and spheres), and		cone).			Ex. Given a picture, indicate the object that is in the named position (point to the
describe the relative			Describe the relative		person standing in front of the window).
positions of these objects			positions of objects		Ex. Looking at a picture in a book, use the correct word to describe the position of
using terms such as above,			(e.g., above, below,		items in the pictures.
below, beside, in front of,			beside, in front of,		Ex. Play "Simon Says" using positional words.
behind, and next to.			behind, next to).		Ex. "Is the ball next to you, in front of you, or behind you?"
					Ex. Given a set of building blocks, stack them to demonstrate beside and between.
			Geometric language		Y 1777 G. 1
			and ideas can be		Level III Students will:
			used to describe and		EEK.G.1. Identify words of proximity to describe the relative position.
			interpret the physical		Ex. Given manipulatives, follow direction to place them in proper position (one block
			world.		"on top" of another).
					Ex. Given a picture, indicate the object that is in the named position (point to the person standing between the trees).
					Ex. Indicate where another teacher is relative to their position when walking side-by-
					side (e.g., "Am I walking next to you or beside you? Beside me?").
					Ex. Indicate the relative position of a desk (e.g., beside).
					Ex. Given manipulatives, follow direction to place them in proper position (put the
					dog under the table).
					Level II Students will:
					EEK.G.1. Respond to spatial words that describe relative position of an object using
					position terms (e.g., on, in, off).
					Ex. Given a picture, indicate the object that is in the named position (e.g., point to the
					person standing on the ladder).
					Ex. Play hide-and-seek with an object and tell the teacher where to hide it (on or in
					something). Another person comes in the room to find the object. The students tell
					them where the object is located (on or in something).
					Ex. After listening to a story, such as Hop on Pop, indicate answers to positional
					questions (e.g., "Is the ball in the box or outside of the box?").

	Ex. Follow teacher directions when cleaning up from an activity by putting items away, such as put your crayons "in" your pencil box. Ex. Indicate choice when the teacher asks the student a series of questions, such as "do you want your hat 'on' your head or 'in' your backpack?" while preparing to go home.
	Level I Students will: EEK.G.1. Repeat positional words during an activity or lesson in which the teacher demonstrates the relative position of an object. Ex. Repeat or indicate the positional word the teacher uses as (s)he moves the student to physically demonstrate position terms (on, in). Ex. Repeat "in" as the teacher puts on a student's shoes and describes the action as putting the students' feet in the shoe.

Grade Level: K								
	G.2 Correctly name shapes							
Domain: Geometry		Cluster: Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).						
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:		
Know that size does not a shape.	ffect the name of the							
Know that orientation doe the shape	es not affect the name of							
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.	

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Evidence of Student Attainment Students: Use visual characteristics of shapes to orally justify naming 2D and 3D shapes in a variety of sizes and orientations.	Vocabulary	Students know: 2D and 3D shapes (triangle, square, rectangle, hexagon, rhombus, circle, cube, pyramid, sphere, and cone).	Skills Students understand that/are able to: Use geometric reasoning and visual characteristics of shapes to name shapes in a variety of sizes and orientations. Geometric shapes can be grouped into classes of shapes that all seem to be alike based on their visual characteristics (and thereby named).	Common Core Essential Elements EEK.G.2-3. Match two-dimensional shapes (circle, square, and triangle).	Level IV Students will: EEK.G.2-3. Match two-dimensional shapes that vary in size (circle, square, and triangle). Ex. Given an assortment of shapes that vary in size, match the shapes according to shape and size. Ex. Using computer software, select a triangle and match it to a target triangle that is a different size. Ex. Given a circle, go on a "Circle Hunt" to find other examples of circles around the school. Level III Students will: EEK.G.2-3. Match two-dimensional shapes (circle, square, and triangle). Ex. Given a collection of pairs of identically sized shapes, match the shapes. Ex. Match shapes in an interactive whiteboard activity. Ex. Given four poker chips and four blocks, match the objects based on shape. Level II Students will: EEK.G.2-3. Match a shape to its duplicate. Ex. Given one shape and shown two shapes, select the matching shape from the two choices to one of hers/his. Ex. Match a colored construction paper circle to an outline on paper. Ex. Complete a shape-sorting box. Level I Students will: EEK.G.2-3. Repeat a model to match shapes. Ex. Match shaped objects with teacher model. Repeat after observing a teacher-directed matching activity routine involving shapes. Ex. Match shaped objects with teacher prompts. Repeat after observing the teacher match the correct shaped object to the same object.
					directed matching activity routine involving shapes. Ex. Match shaped objects with teacher prompts. Repeat after observing the teacher

Grade Level: K										
		y shapes as two-dimensional (lying in a pl		` ′						
Domain: Geome	try	Cluster: Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).								
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:				
Identify 2-dimens lying in a plane as										
Identify 3-dimens	ional shapes as a									
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.			

Attainment Students: Two-dimensional plane Use visual characteristics of shapes (e.g., flat, fat, sticking out, solid, etc.) to Students Students know: Characteristics of 2D and 3D shapes using sticking out, solid, etc.) to Students know: Students understand that/are able to: Students understand that/are able to: Students understand two-dimensional shapes that vary in size (circle, square, and triangle). Students understand two-dimensional shapes that vary in size, match the shapes shape and size.	
sticking out, solid, etc.) to justify categorizing shapes as 2D or 3D. say 2D or 3D. shapes as 2D or 3D. descriptors. shapes and size. Ex. Using computer software, select a triangle and match it to a targe different size. Ex. Given a circle, go on a "Circle Hunt" to find other examples of cirched shapes as 2D or 3D. shapes based on their visual characteristics (and thereby named). Level III Students will: EEK.G.2-3. Match two-dimensional shapes (circle, square, and triangle and match it to a targe different size. Ex. Given a circle, go on a "Circle Hunt" to find other examples of cirched shapes are a collection of pairs of identically sized shapes, match the Ex. Match shapes in an interactive whiteboard activity. Ex. Given four poker chips and four blocks, match the objects based of the collection of heirs/his. Ex. Match a shape to its duplicate. Ex. Given one shape and size. Ex. Given on a "Circle Hunt" to find other examples of cirched shapes, match the Ex. Match shapes in an interactive whiteboard activity. Ex. Given four poker chips and four blocks, match the objects based of the collection of heirs/his. Ex. Match a colored construction paper circle to an outline on paper. Ex. Complete a shape-sorting box. Level II Students will: EEK.G.2-3. Repeat a model to match shapes. Ex. Match shaped objects with teacher prompts. Repeat after observing directed matching activity routine involving shapes. Ex. Match shaped objects with teacher prompts. Repeat after observing match the correct shaped object to the same object. Ex. Repeat after observing the teacher use pictures cut from magazing circles and squares. Teacher holds up a picture and asks what shape in circles and squares. Teacher holds up a picture and asks what shape in circles and squares. Teacher holds up a picture and asks what shape in circles and squares. Teacher holds up a picture and asks what shape in the circles and squares. Teacher holds up a picture and asks what shape in the circles and squares.	apes according to arget triangle that is a of circles around the riangle). the shapes. sed on shape. shape from the two per. ving a teacher- erving the teacher azines that show

Domain: Geometry		d vertices/"corners") and other attributes (e.g., having sides of equal length). Cluster: Analyze, compare, create, and compose shapes.						
Quarter 1:		Quarter 2: Identify and count number of si and other attributes of shapes	des, vertices/"corners",	Quarter 3:		Quarter 4:		
		Describe similarities of various dimensional shapes						
		Describe differences of various dimensional shapes						
		Analyze and compare two-dimedifferent sizes and orientations, to describe their similarities, distantibutes (e.g. having sides of experiments).	using informal language fferences, and other					
		Analyze and compare three-din different sizes and orientations, to describe their similarities, din number of sides and vertices/"c attributes (e.g. having sides of e	using informal language fferences, parts (e.g. orners") and other					
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.	

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:	Informal language	Students know:	Students understand	EEK.G.4. N/A	EEK.G.4. N/A
			that/are able to:		
Use informal language to		Shape components			
describe, compare, and		(e.g., sides, corners,	Decompose shapes		
contrast a variety of 2D		vertices, faces, edges,	into component		
and 3D shapes.		etc.),	parts,		
1					
		Informal language to	Use geometric		
		describe these	reasoning and		
		components.	attributes to compare		
		components.	and contrast a variety		
			of shapes.		
			of shapes.		
			Caamatmia ahamaa		
			Geometric shapes		
			can be grouped into		
			classes of shapes that		
			all seem to be alike		
			based on their visual		
			characteristics (and		
			thereby named).		

Grade Level: K										
Standard with code: K Domain: Geometry	X.G.5 Model shapes in the w				nd drawing shapes.					
Domain. Geometry	Domain: Geometry		Cluster: Analyze, compare, create, and compose shapes.							
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:				
Recognize and identify (square, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, spheres)										
Identify shapes in the re	eal world									
Analyze the attributes o identify shapes.	f real world objects to									
Construct shapes from components (e.g., sticks and clay balls)										
Draw shapes										
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.			

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment	•			Essential Elements	
Students:		Students know:	Students understand	EEK.G.5. N/A	EEK.G.5. N/A
			that/are able to:		
Model shapes in the world		2D and 3D shapes			
by building shapes from		(triangle, square,	Compose shapes		
components (e.g., sticks and		rectangle, hexagon,	from materials that		
clay balls) and drawing		rhombus, circle, cube,	represent the		
shapes.		pyramid, sphere, and	component parts of		
		cone).	the shape (e.g., pipe		
			cleaners as sides of a		
			triangle).		
			Geometric shapes		
			can be constructed		
			and represented		
			using a variety of		
			physical materials.		

Grade Level: K									
Standard with code: K.G.6 Compose simple shape Domain: Number and Operations - Factors		es to form larger shapes. For example, "Can you join these two triangles with full sides touching to make a rectangle?" Cluster: Understand decimal notation for fractions, and compare decimal fractions.							
Quarter 1:		Quarter 2:		Quarter 3:		Quarter 4:			
Identify simple shapes (squares, triangles, rectangles, hexagons)									
Analyze how to put simple shapes together to compose a new or larger shape.									
Compose a new or larger shape using more than one simple shape.									
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.		

Evidence of Student	Vocabulary	Knowledge	Skills	Common Core	Instructional Achievement Level Descriptors
Attainment				Essential Elements	
Students:		Students know:	Students understand	EEK.G.6. N/A	EEK.G.6. N/A
Given simple shapes,			that/are able to:		
		2D and 3D shapes			
Construct designated		(triangle, square,	Use simple shapes to		
larger shapes.		rectangle, hexagon,	form larger shapes.		
		rhombus, circle,			
		cube, pyramid,	Geometric shapes		
		sphere, and cone).	can be composed of		
			and decomposed into		
			smaller shapes.		