

# GRADE Kindergarten

## Count and Cardinality

### Trimester 1

Trimester	Common Core State Standard	Assessment	Resources	Vocabulary
1	Know number names and the count sequence.  <a href="#">CCSS.Math.Content.K.CC.A.1</a> Count to 30 by ones.	Oral Counting: Teacher made	Number Lines Number Chart Manipulatives Anna's Counting Book and other lit. Investigations	attendance double check ten frame Number of days in school inventory
1	<a href="#">CCSS.Math.Content.K.CC.A.2</a> Count forward beginning from a given number within the known sequence (instead of having to begin at 1).	Oral Counting: Teacher made	Investigations worksheets calendar	touch count Tenframes
1	<a href="#">CCSS.Math.Content.K.CC.A.3</a> Write numbers from 0 to 10. Represent a number of objects	Writing Numbers: sequential and random (teacher made)	Investigations calendar	sequence order

	with a written numeral 0-10(with 0 representing a count of no objects).			
1	<p>Count to tell the number of objects.</p> <p><a href="#">CCSS.Math.Content.K.CC.B.4</a> Understand the relationship between numbers and quantities; connect counting to cardinality.</p>	teacher made	<p>Investigations counting jars manipulatives teacher made games</p>	<p>order sequence handful</p>
1	<p><a href="#">CCSS.Math.Content.K.CC.B.4.a</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.</p>	teacher made	Investigations	one to one correspondence
1	<p><a href="#">CCSS.Math.Content.K.CC.B.4.b</a> 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.</p>	teacher made	<p>Investigations teacher made activities games work sheets manipulatives</p>	order sequence
1	<p><a href="#">CCSS.Math.Content.K.CC.B.4.c</a> Understand that each successive number name refers to a quantity that is one larger.</p>	teacher made	<p>Investigations teacher made activities games</p>	one more

			work sheets manipulations	
1	<a href="#">CCSS.Math.Content.K.CC.B.5</a> Count to answer "how many?" questions about as many as 10 things arranged in a line, a rectangular array, or a circle, or as many as 5 things in a scattered configuration; given a number from 1-10, count out that many objects	teacher made	Investigations teacher made activities games work sheets manipulatives	more less
1	<a href="#">CCSS.Math.Content.K.CC.C.6</a> Identify whether the number of objects (up to 5) in one group is greater than, less than, or equal to the number of objects in another group.	teacher made observations	Investigations Manipulatives Counting Jar games	greater than less than more fewer larger shorter attributes size shape color
1	<a href="#">CCSS.Math.Content.K.CC.C.7</a> Compare two numbers between 1 and 5 presented as written numerals.	observations teacher made	Investigations teacher made activities games work sheets manipulatives	similar alike different Equivalent More Less

## Operations and Algebraic Thinking

Not assessed in trimester 1

## Number and Operations in Base Ten

Not assessed in trimester 1

## Measurement and Data

Trimester 1

Trimester	Common Core State Standard	Assessment	Resources	Vocabulary
1	<a href="#">CCSS.Math.Content.K.MD.B.3</a> Classify objects into given categories; count the numbers of objects in each category and sort the categories by count	Teacher made	Investigations	

## Geometry

Not assessed in trimester 1

## Count and Cardinality

Trimester 2

Trimester	Common Core State Standard	Assessment	Resources	Vocabulary
2	<p>Know number names and the count sequence.</p> <p><a href="#">CCSS.Math.Content.K.CC.A.1</a> Count to 50 by ones.</p>	Oral Counting: Teacher made	<p>Number Lines Number Chart Manipulatives Anna's Counting Book and other lit. Investigations</p>	<p>attendance double check ten frame Number of days in school inventory</p>
2	<p><a href="#">CCSS.Math.Content.K.CC.A.2</a> Count forward beginning from a given number within the known sequence (instead of having to begin at 1).</p>	Oral Counting: Teacher made	<p>Investigations worksheets calendar</p>	Ten frame

2	<a href="#"><u>CCSS.Math.Content.K.CC.A.3</u></a> Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).	Writing Numbers: sequential and random (teacher made)	Investigations teacher made activities games worksheets	Sequence Order
2	<a href="#"><u>CCSS.Math.Content.K.CC.B.4.a</u></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.	Teacher made	Investigations	One to one correspondence
2	<a href="#"><u>CCSS.Math.Content.K.CC.B.4.b</u></a> 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.	teacher made	Investigations teacher made activities games work sheets manipulatives	order sequence
2	<a href="#"><u>CCSS.Math.Content.K.CC.B.4.c</u></a> Understand that each successive number name refers to a quantity that is one larger.	teacher made	Investigations teacher made activities games work sheets manipulations	one more
2	<a href="#"><u>CCSS.Math.Content.K.CC.B.5</u></a> Count to answer "how many?" questions about as many as 15	teacher made	Investigations teacher made activities	more less

	things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1-15, count out that many objects		games work sheets manipulatives	
2	<a href="#">CCSS.Math.Content.K.CC.C.7</a> Compare two numbers between 1 and 10 presented as written numerals.	observations teacher made	Investigations teacher made activities games work sheets manipulatives	similar alike different Equivalent More Less

## Operations and Algebraic Thinking

### Trimester 2

Trimester	Common Core State Standard	Assessment	Resources	Vocabulary
2	<a href="#">CCSS.MATH.CONTENT.K.OA.A.1</a> Represent addition and subtraction with objects, fingers, mental images,	Teacher made	Investigations Games Read Alouds	More Less

	drawings, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.			
2	<a href="#">CCSS.MATH.CONTENT.K.OA.A.2</a> Solve addition and subtraction word problems, and add and subtract within 5, e.g., by using objects or drawings to represent the problem.	Teacher made	Games Investigations	Five Frame More Less Difference
2	<a href="#">CCSS.MATH.CONTENT.K.OA.A.3</a> 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	Teacher made	Games Investigations	
2	<a href="#">CCSS.MATH.CONTENT.K.OA.A.4</a> For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.	Teacher made		More



## **Number and Operations in Base Ten**

Not assessed in trimester 2

## **Measurement and Data**

Not assessed in Trimester 2

## **Geometry**

Not assessed in Trimester 2

## Count and Cardinality

### Trimester 3

Trimester	Common Core State Standard	Assessment	Resources	Vocabulary
3	<a href="#">CCSS.Math.Content.K.CC.A.1</a> Count to 100 by ones and tens.	Oral Counting: Teacher made	Number Lines Number Chart Manipulatives Anna's Counting Book and other lit. Investigations	attendance double check ten frame Number of days in school inventory
3	<a href="#">CCSS.Math.Content.K.CC.A.2</a> Count forward beginning from a given number within the known sequence (instead of having to begin at 1).	Oral Counting: Teacher made	Investigations worksheets calendar	touch count Tenframes
3	<a href="#">CCSS.Math.Content.K.CC.A.3</a> Write numbers from 0 to 30. Represent a number of objects with a written numeral 0-30 (with 0 representing a count of no objects).	Writing Numbers: sequential and random (teacher made)	Investigations calendar	sequence order
3	<a href="#">CCSS.Math.Content.K.CC.B.4.a</a> When counting objects, say the	teacher made	Investigations	one to one correspondence

	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.			
3	<a href="#">CCSS.Math.Content.K.CC.B.4.b</a> 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.	teacher made	Investigations teacher made activities games work sheets manipulatives	order sequence
3	<a href="#">CCSS.Math.Content.K.CC.B.4.c</a> Understand that each successive number name refers to a quantity that is one larger.	teacher made	Investigations teacher made activities games work sheets manipulations	one more
3	<a href="#">CCSS.Math.Content.K.CC.B.5</a> 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 a scattered configuration; given a number from 1-20, count out that many objects	teacher made	Investigations teacher made activities games work sheets manipulatives	more less
3	<a href="#">CCSS.Math.Content.K.CC.C.6</a> Identify whether the number of	teacher made observations	Investigations Manipulatives games	greater than less than more

	objects (up to 20) in one group is greater than, less than, or equal to the number of objects in another group.			fewer larger shorter attributes size shape color
--	---	--	--	--

## Operations and Algebraic Thinking

### Trimester 3

Trimester	Common Core State Standard	Assessment	Resources	Vocabulary
3	<a href="#">CCSS.MATH.CONTENT.K.OA.A.1</a> Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.	Teacher made	Investigations Games Read Alouds	More Less
3	<a href="#">CCSS.MATH.CONTENT.K.OA.A.2</a> Solve addition and subtraction word problems, and add and subtract within	Teacher made	Games Investigations	Five Frame More Less Difference

	5, e.g., by using objects or drawings to represent the problem.			
3	<a href="#">CCSS.MATH.CONTENT.K.OA.A.3</a> 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	Teacher made Observations	Games Investigations Activities Worksheets	Add Subtract
3	<a href="#">CCSS.MATH.CONTENT.K.OA.A.4</a> For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.	Teacher made		More Add Subtract
3	<a href="#">CCSS.MATH.CONTENT.K.OA.A.5</a> Fluently add and subtract within 5.	Teacher made- fact sheet	Investigations Games Activities Worksheets	Sums Differences

## Number and Operations in Base Ten

### Trimester 3

Trimester	Common Core State Standard	Assessment	Resources	Vocabulary
3	<p><a href="#"><u>CCSS.MATH.CONTENT.K.NBT.A.1</u></a>  <b>Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (such as <math>18 = 10 + 8</math>); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones.</b></p> <p>**Work with numbers 11-19 to gain foundations for place value.</p>	Teacher made	<p>Games Manipulatives</p>	Ten frame

## Measurement and Data

### Trimester 3

Trimester	Common Core State Standard	Assessment	Resources	Vocabulary
3	<a href="#">CCSS.MATH.CONTENT.K.MD.A.1</a> Describe measurable attributes of objects, such as length or weight. Describe several measurable attributes of a single object.	Teacher made Observations	Manipulatives	Attribute Shape Color size
3	<a href="#">CCSS.MATH.CONTENT.K.MD.B.3</a> Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.	Observations	Manipulatives Investigations	Attribute Shape Color Size More Less Equal Same Different

# Geometry

## Trimester 3

Trimester	Common Core State Standard	Assessment	Resources	Vocabulary
3	<a href="#">CCSS.MATH.CONTENT.K.G.A.1</a> Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as <i>above</i> , <i>below</i> , <i>beside</i> , <i>in front of</i> , <i>behind</i> , and <i>next to</i> .	Teacher made/ directed	Investigations Teacher made Activities Games Worksheets	Above Below In front of Behind Next to
3	<a href="#">CCSS.MATH.CONTENT.K.G.A.2</a> Correctly name shapes regardless of their orientations or overall size.	Teacher directed Pattern blocks Geo blocks	Pattern blocks Geo blocks Activities Games Investigations	Sides
3	<a href="#">CCSS.MATH.CONTENT.K.G.A.3</a> Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid").	Teacher directed Pattern blocks Geo blocks	Investigations Teacher made Activities Games	Flat Solid
3	<a href="#">CCSS.MATH.CONTENT.K.G.B.4</a> Analyze and compare two-	Teacher directed Pattern blocks	Investigations Teacher made	Sides Vertices (corners)



	and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length).	Geo blocks	Activities Games	
3	<a href="#">CCSS.MATH.CONTENT.K.G.B.5</a> Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes.	Teacher made	Investigations Teacher made Activities Games	Sides Vertices (corners)
3	<a href="#">CCSS.MATH.CONTENT.K.G.B.6</a> Compose simple shapes to form larger shapes. <i>For example, "Can you join these two triangles with full sides touching to make a rectangle?"</i>	Teacher made Pattern blocks Geo blocks	Investigations Teacher made Activities Games	Sides Vertices (corners)
			Investigations Teacher made Activities Games	

