



 i-Ready® Classroom  
Mathematics

to the

**2021 Tennessee Academic  
Standards for Mathematics**



Grade K

2021 Tennessee Academic Standards for Mathematics Kindergarten		i-Ready Classroom Mathematics Lessons Kindergarten
<b>Kindergarten</b>		
<b>K.CC</b>	<b>Counting and Cardinality (CC)</b>	
K.CC.A	Know number names and the counting sequence.	
K.CC.A.1	Count to 100 by ones, fives, and tens. Count backward from 10.	<p><b>Lesson 29:</b> Count to 100 by Tens  <b>Lesson 30:</b> Count to 100 by Ones  <b>Educator Note:</b> Counting Backward from 10  <b>One-Day Activity:</b> Count by Fives</p> <p><b><u>Additional Content:</u></b>  Lesson 2: Count and Write to 5; Lesson 3: Numbers 0 to 5; Lesson 6: Count and Write to 10; Lesson 27: Count Teen Numbers</p> <p><i>Note: Lessons do not cover counting by fives to 100 and counting backwards from 10.</i></p>
K.CC.A.2	Count forward by ones beginning from any given number within the known sequence (instead of having to begin at 1).	<p><b>Lesson 29:</b> Count to 100 by Tens  <b>Lesson 30:</b> Count to 100 by Ones</p> <p><b><u>Additional Content:</u></b>  Lesson 26: <i>Understand</i> Teen Numbers;  Lesson 28: Make Teen Numbers</p>

2021 Tennessee Academic Standards for Mathematics Kindergarten		i-Ready Classroom Mathematics Lessons Kindergarten
K.CC.A.3	Write numbers from 0 to 20. Represent a quantity of objects with a written number 0-20.	<p><b>Lesson 1:</b> <i>Understand</i> Counting  <b>Lesson 2:</b> Count and Write to 5  <b>Lesson 3:</b> Numbers 0 to 5  <b>Lesson 4:</b> Compare Within 5  <b>Lesson 6:</b> Count and Write to 10  <b>Lesson 7:</b> <i>Understand</i> 1 More  <b>Lesson 8:</b> Compare Within 10  <b>Lesson 27:</b> Count Teen Numbers</p> <p><b><u>Additional Content:</u></b>  Lesson 5: Make 3, 4, and 5; Lesson 9: Sort and Count Objects; Lesson 10: Make 10; Lesson 11: Make 6, 7, 8, and 9; Lesson 12: Name Shapes; Lesson 16: <i>Understand</i> Addition; Lesson 17: Add Within 5; Lesson 18: <i>Understand</i> Subtraction; Lesson 19: Subtract Within 5; Lesson 20: Practice Facts to 5; Lesson 21: Add Within 10; Lesson 22: Find the Missing Part of 10; Lesson 23: Subtract Within 10; Lesson 24: Addition and Subtraction Word Problems to 10; Lesson 25: Word Problems with Both Addends Unknown; Lesson 26: <i>Understand</i> Teen Numbers; Lesson 28: Make Teen Numbers</p>
K.CC.A.4	Recognize, describe, extend, and create patterns and explain a simple rule for a pattern using concrete materials. Analyze the structure of the repeating pattern by identifying the unit (core) of the pattern.	<p><b>Lesson 5:</b> Make 3, 4, and 5  <b>Lesson 9:</b> Sort and Count Objects  <b>One-Day Activity:</b> Work with Patterns</p> <p><b><u>Additional Content:</u></b>  <b>Lesson 14:</b> Compare Shapes</p>

2021 Tennessee Academic Standards for Mathematics Kindergarten		i-Ready Classroom Mathematics Lessons Kindergarten
K.CC.B	Count to tell the number of objects.	
K.CC.B.5	Understand the relationship between numbers and quantities; connect counting to cardinality.	
K.CC.B.5a	When counting objects 1-20, say the number names in the standard order, using one-to-one correspondence.	<b>Lesson 1:</b> <i>Understand</i> Counting <b>Lesson 2:</b> Count and Write to 5 <b>Lesson 6:</b> Count and Write to 10 <b>Lesson 27:</b> Count Teen Numbers
K.CC.B.5b	Recognize 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.	<b>Lesson 1:</b> <i>Understand</i> Counting <b>Lesson 2:</b> Count and Write to 5 <b>Lesson 6:</b> Count and Write to 10  <u><b>Additional Content:</b></u> Lesson 27: Count Teen Numbers
K.CC.B.5c	Recognize that each successive number name refers to a quantity that is one greater and each previous number is one less.	<b>Lesson 3:</b> Numbers 0 to 5 <b>Lesson 7:</b> <i>Understand</i> 1 More <b>One-Day Activity:</b> Name 1 More and 1 Less  <u><b>Additional Content:</b></u> Lesson 1: <i>Understand</i> Counting; Lesson 2: Count and Write to 5; Lesson 5: Make 3, 4, and 5; Lesson 6: Count and Write to 10; Lesson 11: Make 6, 7, 8, and 9; Lesson 27: Count Teen Numbers

2021 Tennessee Academic Standards for Mathematics Kindergarten		i-Ready Classroom Mathematics Lessons Kindergarten
K.CC.B.6	Count to answer “how many?” questions about as many as 20 things arranged in a line, a rectangular array, a circle, or as many as 10 things in a scattered configuration. Given a number from 1-20, count out that many objects.	<p><b>Lesson 2:</b> Count and Write to 5  <b>Lesson 3:</b> Numbers 0 to 5  <b>Lesson 6:</b> Count and Write to 10  <b>Lesson 7:</b> <i>Understand</i> 1 More  <b>Lesson 27:</b> Count Teen Numbers</p> <p><b><u>Additional Content:</u></b>  Lesson 1: <i>Understand</i> Counting; Lesson 5: Make 3, 4, and 5; Lesson 9: Sort and Count Objects; Lesson 10: Make 10; Lesson 12: Name Shapes; Lesson 14: Compare Shapes; Lesson 16: <i>Understand</i> Addition; Lesson 17: Add Within 5; Lesson 18: <i>Understand</i> Subtraction; Lesson 19: Subtract Within 5; Lesson 20: Practice Facts to 5; Lesson 21: Add Within 5; Lesson 22: Find the Missing Part of 10; Lesson 23: Subtract Within 10; Lesson 24: Addition and Subtraction Word Problems with Both Addends Unknown; Lesson 25: Word Problems with Both Addends Unknown; Lesson 26: <i>Understand</i> Teen Numbers; Lesson 28: Make Teen Numbers</p>
K.CC.C	Compare numbers.	
K.CC.C.7	Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group.	<p><b>Lesson 4:</b> Compare Within 5  <b>Lesson 8:</b> Compare Within 10</p> <p><b><u>Additional Content:</u></b>  Lesson 9: Sort and Count Objects</p>
K.CC.C.8	Compare two given numbers up to 10, when written as numerals, using the terms <i>greater than</i> , <i>less than</i> , or <i>equal to</i> . (Students need not use comparison symbols here.)	<p><b>Lesson 4:</b> Compare Within 5  <b>Lesson 8:</b> Compare Within 10</p>

2021 Tennessee Academic Standards for Mathematics Kindergarten		i-Ready Classroom Mathematics Lessons Kindergarten
<b>K.OA</b>	<b>Operations and Algebraic Thinking (OA)</b>	
K.OA.A	Represent and solve problems involving addition and subtraction.	
K.OA.A.1	Represent addition and subtraction with objects, fingers, drawings, acting out situations, verbal explanations, expressions, or equations.	<p><b>Lesson 16:</b> <i>Understand</i> Addition</p> <p><b>Lesson 18:</b> <i>Understand</i> Subtraction</p> <p><b>Additional Content:</b>  Lesson 5: Make 3, 4, and 5; Lesson 10: Make 10; Lesson 11: Make 6, 7, 8, and 9; Lesson 17: Add Within 5; Lesson 19: Subtract Within 5; Lesson 20: Practice Facts to 5; Lesson 21: Add Within 10; Lesson 23: Subtract Within 10; Lesson 25: Word Problems with Both Addends Unknown</p>
K.OA.A.2	Add and subtract within 10 to solve contextual problems with result/total unknown involving situations of add to, take from, and put together/take apart. Use objects, drawings, or equations to represent the problem.	<p><b>Lesson 17:</b> Add Within 5</p> <p><b>Lesson 19:</b> Subtract Within 5</p> <p><b>Lesson 21:</b> Add Within 10</p> <p><b>Lesson 23:</b> Subtract Within 10</p> <p><b>Lesson 24:</b> Addition and Subtraction Word Problems to 10</p> <p><b>Additional Content:</b>  Lesson 5: Make 3, 4, and 5; Lesson 10: Make 10; Lesson 11: Make 6, 7, 8, and 9; Lesson 25: Word Problems with Both Addends Unknown</p>
K.OA.A.3	Decompose numbers less than or equal to 10 into addend pairs in more than one way ( <i>e.g., <math>5 = 2 + 3</math> and <math>5 = 4 + 1</math></i> ) by using objects or drawings. Record each decomposition using a drawing or writing an equation.	<p><b>Lesson 5:</b> Make 3, 4, and 5</p> <p><b>Lesson 10:</b> Make 10</p> <p><b>Lesson 11:</b> Make 6, 7, 8, and 9</p> <p><b>Lesson 25:</b> Word Problems with Both Addends Unknown</p> <p><b>Additional Content:</b>  Lesson 16: <i>Understand</i> Addition</p>

2021 Tennessee Academic Standards for Mathematics Kindergarten		i-Ready Classroom Mathematics Lessons Kindergarten
K.OA.A.4	Find the number that makes 10, when added to any given number, from 1 to 9 using objects or drawings. Record the answer using a drawing or writing an equation.	<b>Lesson 10:</b> Make 10 <b>Lesson 22:</b> Find the Missing Part of 10  <u><b>Additional Content:</b></u> Lesson 25: Word Problems with Both Addends Unknown
K.OA.A.5	Use mental strategies flexibly to develop fluency in addition and subtraction within 10.	<b>Lesson 5:</b> Make 3, 4, and 5 <b>Lesson 10:</b> Make 10 <b>Lesson 11:</b> Make 6, 7, 8, and 9 <b>Lesson 17:</b> Add Within 5 <b>Lesson 19:</b> Subtract Within 5 <b>Lesson 20:</b> Practice Facts to 5 <b>Lesson 21:</b> Add Within 10 <b>Lesson 22:</b> Find the Missing Part of 10 <b>Lesson 23:</b> Subtract Within 10 <b>Lesson 24:</b> Addition and Subtraction Word Problems to 10  <u><b>Additional Content:</b></u> Lesson 16: <i>Understand</i> Addition; Lesson 18: <i>Understand</i> Subtraction
<b>K.NBT</b>	<b>Number and Operations in Base Ten (NBT)</b>	
K.NBT.A	Work with numbers 11 to 19 to gain foundations for place value.	
K.NBT.A.1	Compose and decompose numbers from 11 to 19 into a group of ten ones and some more ones by using objects or drawings (e.g., 18 equals 10 + 8). Record the composition or decomposition using a drawing or by writing an equation.	<b>Lesson 26:</b> <i>Understand</i> Teen Numbers <b>Lesson 28:</b> Make Teen Numbers
<b>K.MD</b>	<b>Measurement and Data (MD)</b>	
K.MD.A	Describe and compare measurable attributes.	
K.MD.A.1	Describe the measurable attributes of an object, such as length (long/short), height (tall/short), or weight (heavy/light).	<b>Lesson 31:</b> Compare Length and Height <b>Lesson 32:</b> Compare Weight

2021 Tennessee Academic Standards for Mathematics Kindergarten		i-Ready Classroom Mathematics Lessons Kindergarten
K.MD.A.2	Directly compare two objects with a measurable attribute in common, to describe which object has more of/less of the attribute. For example, directly compare the heights of two children and describe one child as taller/shorter.	<b>Lesson 31:</b> Compare Length and Height <b>Lesson 32:</b> Compare Weight
K.MD.B	Work with money.	
K.MD.B.3	Identify the penny, nickel, dime, and quarter based on their attributes (size and color) and recognize the value of each.	<b>One-Day Activity:</b> Investigate Coins
K.MD.C	Classify objects and count the number of objects in each category.	
K.MD.C.4	Sort a collection of objects into a given category, with 10 or less in each category. Compare the categories by group size.	<b>Lesson 9:</b> <i>Understand</i> True and False Equations <b>Lesson 18:</b> Collect and Compare Data <b>Lesson 22:</b> Compare Numbers
<b>K.G</b>	<b>Geometry (G)</b>	
K.G.A	Identify and describe shapes and solids.	
K.G.A.1	Describe objects in the environment using names of shapes and solids (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres). Describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, between, and next to.	<b>Lesson 13:</b> See Position and Shape <b>Educator Note:</b> Positional Term: Between
K.G.A.2	Correctly name shapes and solids (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres) regardless of their orientations or overall size.	<b>Lesson 12:</b> Name Shapes  <b>Additional Content:</b> Lesson 27: Count Teen Numbers
K.G.A.3	Identify shapes (squares, circles, triangles, rectangles, and hexagons) as two-dimensional and solids (cubes, cones, cylinders, and spheres) as three-dimensional.	<b>Lesson 12:</b> Name Shapes



2021 Tennessee Academic Standards for Mathematics Kindergarten		i-Ready Classroom Mathematics Lessons Kindergarten
K.G.B	Analyze, compare, create, and compose shapes.	
K.G.B.4	Describe similarities and differences between two- and three-dimensional shapes/solids, in different sizes and orientations.	<b>Lesson 14:</b> Compare Shapes
K.G.B.5	Model shapes/solids in the world by building or drawing them.	<b>Lesson 15:</b> Build Shapes
K.G.B.6	Compose a figure using simple shapes/solids and identify smaller shapes/solids within the figure.	<b>Lesson 15:</b> Build Shapes