



Kindergarten Math Unit 1

Stage 1- Desired Results

Unit Focus Standards

Module 1	K.CC.4 Understand the relationship between numbers and quantities; connect counting to cardinality.
Module 2	K.OA.2 Solve addition and subtraction word problems, and add and subtract within 10
Module 3	K.G.A.2- Correctly name shapes regardless of their orientations or overall size.

ESSENTIAL QUESTIONS

Module 1 : How do mathematicians show math thinking?

Module 2: How do we use numbers in everyday life?

Module 3: How do I see shapes in my world?

ENDURING UNDERSTANDINGS:

- The last number said tells the number of objects counted
- We count to answer “how many?”.
- Addition and subtraction can be represented with objects, fingers, drawings, expressions, and equations.
- Size, position, or orientation does not change the attributes of the shape.

Stage 2: Assessments

Assessment 1: Modified Fact Fluency Addition Assessment
Assessment 2: Join Result Unknown Unit 1 Assessment
Assessment 3: Separate Result Unknown Unit 1 Assessment

Stage 3- Learning Activities

Daily Number Work	Kindergarten Number Choice Progression
Math Units of Study	Kindergarten Additional Resources

Building Classroom Culture

Learning Goal	Lesson	Supports
LESSON 1: Students will discover various places that numbers are used.	Lesson: Where do we see numbers? • Student Page • School Number Hunt Daily Number Work: • Counting to Five with blocks	
Lesson 2: Students will understand a set and how sets can change (Possibly 2 days)	Lesson: What is a Set? • Student Page Daily Number Work: Number Writing Practice	
LESSON 3: Students will understand why we count in math.	MUoS: Why Do We Count?	
LESSON 4: Students will understand why we count in math.	Lesson: Why do we count? • Student Page Daily Number Work: Subitizing Ten Frames (1-10)	 Counting Probe
LESSON 5: Students will understand how to count collections	Lesson: Counting Collections • Student Page	Counting Collection Implementation Ideas
LESSON 6: Students will understand how to make sense of a math problem. (Possibly 2 days)	Lesson: Making Sense of Problems • Student Page Daily Number Work: IPAD APP: Numbers!	 Simple Counting Practice
LESSON 7: Students will learn how to persevere in problem solving.	MUoS: Persevering in Problem Solving	
LESSON 8: Students will understand the routines that are needed for the mathematics.	Lesson: Creating Math Routines Daily Number Work: Composing and Decomposing 5	
LESSON 9: Students will understand how to analyze each other's work for things that are the same or different.	MUoS Lesson: Critiquing the Reasoning of Others	

LESSON 10: Students will understand how to analyze each other's work for things that are the same or different.	Lesson: Critiquing Each Other's Work • Student Page Daily Number Work: Silly Monsters Clip Cards	 Counting Practice
LESSON 11: Students will compose and decompose numbers.	MUoS Lesson: Composing and Decomposing Numbers	
LESSON 12: Students will understand how to join sets.	Lesson: Joining Sets Daily Number Work: Count Up Line Monsters	
Lesson 13: Students will understand how they are mathematicians.	Lesson: What is a mathematician? Daily Number Work: Dot and Number Match	
Counting and Cardinality		
Formative Assessments for Module 2: • Comparing Numbers • Decomposing Numbers		
Learning Goal	Lesson	Supports
Lesson 1: Students will practice composing/decomposing five.	Lesson: Composing and Decomposing Five • Student Page	
Lesson 2: Students will use "more" to compare a set.	Lesson: Comparing Numbers Daily Number Work: Number and Block Game	 Pre- Assessment
Lesson 3: Students will compare a set to another set.	Lesson: Comparing Sets Daily Number Work: Dice Race	 Writing Numbers Practice
Lesson 4: Students will add one to a set.	MUoS Lesson: Counting On	
Lesson 5: Students will add one to a set.	Lesson: Counting on By One Daily Number Work: Dice Roll One More • Student Page	 Exit Ticket

Lesson 6: Students will practice counting on from a number.	Lesson: Counting On Daily Number Work: Plus One	 Exit Ticket & Add One More Practice
Lesson 7: Students will practice counting sets by ones.	Lesson: Counting Sets Daily Activities: Counting Cards	 One More Practice
Lesson 8: Students will count a set of five	Lesson: Counting Sets to Five Daily Number Work: Five Frame-Online	 Counting Practice
Lesson 9: Students will separate sets and count to find the result.	Lesson: Separating Sets • Student Page Daily Number Work: Show One Less	 One Less Practice
Lesson 10:: Students will decompose 5 by separating a set.	Lesson: Decomposing Five • Student Page Daily Number Work: : Show It Three Ways (5 Frame)	 Decomposing Practice
Lesson 11: Students will compose numbers to five.	Lesson: How Many Are Hiding? • Student Page Daily Number Work: Fast Five	
Lesson 12: Students will compare numbers.	Lesson: Comparing Numbers Daily Number Work: "I Have Game"	
Lesson 13: Students will count to solve problems.	Lesson: Counting to Solve Problems Daily Number Work: Who has more? game	 Exit Ticket
Lesson 14: Students will explore skip counting to solve problems.	MUoS Skip Counting Lesson	
Lesson 15: Students will explore skip counting to solve problems.	Lesson: Skip Counting by Twos Daily Number Work: Matching Numbers	 Skip Count Practice

Lesson 16: Students will skip count to solve problems.	Lesson: Skip Counting by Twos Daily Number Work: IPAD APP: Counting and Skip Counting	 Skip Count by Two Practice
Lesson 17: Students will use a counting on strategy to solve problems.	MUoS Lesson: Interrupted Counting (JCU Problems)	
Lesson 18: Students will use number lines to solve problems.	Lesson: Interrupted Counting Daily Number Work: Teaching Number Lines APP on IPAD	 Add One More Practice & Fill In a Number Line
Lesson 19: Students will compare numbers using more, less, or fewer.	MUoS Lesson: Comparing Quantities	
Lesson 20: Students will compare numbers using more, less, or fewer.	Lesson: Comparing Numbers Daily Number Work: How Many Letters in My Name?	 Formative Assessment
Lesson 21: Students will count on to find the missing addend.	Lesson: Interrupted Count Daily Number Work: Missing Number Game	 Missing Addend
Lesson 22: Students will count by fives to solve problems.	Lesson: Skip Counting by Fives	
Lesson 23: Students will decompose numbers to solve problems.	Lesson: Decomposing in Various Ways Daily Number Work: "I Have Game"	
Lesson 24: Students will decompose numbers.	Lesson: Decomposing in Various Ways 2 Daily Number Work: Interactive 5 Frame	 Formative Assessment
Lesson 25: Students will combine sets to solve problems.	Lesson: Part Part Whole Problem Daily Number Work: Composing/Decomposing 5	
Lesson 26: Students will use the equal sign correctly.	Lesson: Equal Sign Lesson Daily Number Work: Writing Numbers Practice	

Lesson 27: Students will separate sets to solve problems.	Lesson: Separating Sets with Five • Student Page Daily Number Work: Minus One	 Roll a Subtract & Equations & Notation
Lesson 28: Students will separate sets to solve problems.	Lesson: Separating Sets • Student Page Daily Number Work: Sums of five	
Module 3: Measurement		
Learning Goal	Lesson	Supports
LESSON 1: Students will build shapes.	Lesson: Identifying Shapes Daily Number Work: Counting Cards	
LESSON 2: Students will names shapes based on attributes. (3 days..one day for each shape)	Lesson: Is It or Isn't It? Daily Number Work: More and Less	
LESSON 3: Students will sort shapes based on attributes.	Lesson: Shape Sort Daily Number Work: Composing/Decomposing 5/10	 Find the Shape Practice
LESSON 4: Students will go on a shape hunt to identify shapes according to attributes.	Lesson: Shape Hunt Daily Number Work: "I Have Game"	
LESSON 5: Students will use positional words to describe an object's position.	Lesson: Positional Words Daily Number Work: Who has more? game	