

Module [3] Understanding: Comparison with Length, Weight, and Numbers to 10	Grade Level: Kindergarten
Subject Area: Math	Time Frame: 9 Weeks
Designed By: Kindergarten Instructional Team	Beginning Date:
School: Morrilton Primary School	Ending Date:
Stage 1 – Desired Results	
Standards: (Text in bold indicates changes/additions in wording of new Arkansas standards.)	
<p>K.CC.C.6 Identify whether the number of objects in one group from 0-10 is greater than (more or most), less than (less, fewer, least), or equal to (same as) the number of objects in another group of 0-10. Example: Use matching and counting strategies to compare values.)</p> <p>K.CC.C.7 Compare two numbers between 0 and 20 (10) presented as written numerals. (NOTE: The use of symbols for greater than/less than should not be introduced in this grade level. Appropriate terminology to use would be more than, less than, or the same as.)</p> <p>K.CC.C.8 Quickly identify a number of items in a set from 0-10 without counting (e.g., dominoes, dot cubes, tally marks, ten-frames).</p> <p>K.MD.A.1 Describe several measurable attributes of a single object, including but not limited to length, weight, height, and temperature. (Vocabulary may include short, long, heavy, light, tall, hot, cold, warm, or cool.)</p> <p>K.MD.A.2 Describe the difference when comparing two objects (side by side) with a measurable attribute in common to see which object has "more of" or "less of" the common attribute (Vocabulary may include shorter, longer, taller, lighter, heavier, warmer, cooler, or holds more.)</p>	
Goal(s):	
Identify numbers in a group to 10 (counting strategy). Identify a group of objects that is greater than, less than, or equal to another group of objects. Match groups to compare quantities (matching strategy) using sets or groups. Compare two numerals to determine greater than, less than or equal to. Describe the unit of measure of an object (inches, pounds, ounces).	

Goals Conti -

Describe the difference between two like objects.

Compare two like objects to determine more of/less of using the same attribute.

Identify a number of items without counting.

Essential Question(s):

How can I compare the sets of objects?

How can I represent the numbers 0-10?

How do I recognize which number is larger, smaller, or equal?

How many objects are in this group?

How to recognize amounts as greater or less or equal?

Can you describe the attributes of a single object (length, weight, etc...)?

Can you compare two objects with a measurable attribute in common?

Can you describe the difference between two objects?

Can count a number of tallies by looking rather than counting them?

Students will know...

- Quantity Discrimination
- Numeral Comparisons (written numerals)
- Attributes of objects
- Description of attributes
- Comparison/Contrasting (2-objects)

Students will be able to...

- tell that groups are greater than, less than, or the same as the number of objects in another group
- compare written numerals
- compare measurable attributes of objects to see which as more or less (length, weight, height, or temperature)
- compare the two objects and describe the difference

Stage 2 – Acceptable Evidence**Performance Tasks:**

- tell that groups are greater than, less than, or equal to the number of objects in another group
- compare written numerals
- measure attributes of objects and describe the attribute
- compare the two objects and describe the difference
- Interactive Whiteboard lessons

Other Evidence:

- Teacher observation
- Oral Explanations
- Demonstration
- Formative Assessments

Stage 3: Part 1 – Weekly Learning Plan

Week	Activities/Lessons	Assessments	Materials	CCSS
11	<ul style="list-style-type: none"> Playing with pumpkin seeds activity sheet. Use pumpkin seed activity to compare quantities that are $<$, $>$, $=$. Write numbers 0 to 10. Estimate the circumference of your pumpkin by cutting a string. Graph on a chart indicating too short, too long, or just right. Estimate the number of seeds & count in groups of 10 & then cook. 	Week 11 Formative Assessment	<ul style="list-style-type: none"> Pumpkin seeds Activity sheets String & Scissors Cooking provisions 	<ul style="list-style-type: none"> K.CC.C.6 K.CC.C.7 K.MD.A.1 K.MD.A.2
12	<ul style="list-style-type: none"> Practice counting by 1s, starting at 0 & any other number between 0 -20. 	Week 12 Formative Assessment	<ul style="list-style-type: none"> Writing paper White boards 	<ul style="list-style-type: none"> K.CC.C.6 K.CC.C.7 K.MD.A.1 K.MD.A.2
13	<ul style="list-style-type: none"> Use Greater Than Less Than Work Mats Color My World Greater Than, Less Than Activity Play Greater Than, Less Than Card Game with a partner. Play Greater Than, Less Than Dice Game with a partner. Play Greater Than, Less Than Domino Game with a partner. 	Week 13 Formative Assessment	<ul style="list-style-type: none"> Work mats Cards Dice Dominoes 	<ul style="list-style-type: none"> K.CC.C.6 K.CC.C.7 K.MD.A.1 K.MD.A.2 K.CC.C.8
14	<ul style="list-style-type: none"> Turkey Scoot Game Falling For $><=$ Activity 	Week 14 Formative Assessment	<ul style="list-style-type: none"> Game(s) 100s chart 	<ul style="list-style-type: none"> K.CC.C.6 K.CC.C.7

14 conti.	<ul style="list-style-type: none"> • Help Turkey Count His Feathers • Count and tally turkeys & corn • More/Less using 100s Chart 		<ul style="list-style-type: none"> • Counting/tallie sheet 	<ul style="list-style-type: none"> • K.MD.A.1 • K.MD.A.2
15	<ul style="list-style-type: none"> • Community Helpers Yatta • Measuring Dogs • Measuring with cubes (Dusting Duty) • Measure Me • Measurement Games 	Week 15 Formative Assessment	<ul style="list-style-type: none"> • Games • Yatta • Cubes 	<ul style="list-style-type: none"> • K.CC.C.6 • K.CC.C.7 • K.MD.A.1 • K.MD.A.2
16	<ul style="list-style-type: none"> • Exploring & Comparing Weight • Exploring & Comparing Capacity • Ordering by Length • More Chores • <u>Math Counts</u> • <u>Capacity</u> • <u>Weight</u> • <u>Length</u> 	Week 16 Formative Assessment	<ul style="list-style-type: none"> • Balance scale • Manipulatives • Ruler 	<ul style="list-style-type: none"> • K.CC.C.6 • K.CC.C.7 • K.MD.A.1 • K.MD.A.2
17	<ul style="list-style-type: none"> • St.Lucia's Feast (sorting large medium small) 	Week 17 Formative Assessment	<ul style="list-style-type: none"> • Sorting Book • Manipulatives 	<ul style="list-style-type: none"> • K.CC.C.6 • K.CC.C.7 • K.MD.A.1 • K.MD.A.2
18	<ul style="list-style-type: none"> • Review measurement... Suggested ... <u>Inch by Inch</u> by Leo Lionni • Find things around the classroom that are approx an inch long. • Review measurement... Suggested ... <u>Inchworm and a Half</u> by Elinor Pinczes • Review measurement... 	Week 18 Formative Assessment	<ul style="list-style-type: none"> • Measurement books 	<ul style="list-style-type: none"> • K.CC.C.6 • K.CC.C.7 • K.MD.A.1 • K.MD.A.2

18 – Conti.	<p>Suggested ... <u>Length</u> by Henry Pluckrose</p> <ul style="list-style-type: none"> • Review measurement... Suggested ... <u>How Big is Big?</u> by Harriett Ziefert 			
19		Week 19 Formative Assessment		<ul style="list-style-type: none"> • K.CC.C.6 • K.CC.C.7 • K.MD.A.1 • K.MD.A.2 • K.CC.C.8
Stage 3: Part 2 – Pacing Resources& Materials				
Vocabulary Definitions:				
<p>greater than less than equal to compare length long short weight heavy</p> <p>light height tall short more less difference</p>				
Web Links				
<ul style="list-style-type: none"> • YouTube, YT Kids • Storybots • BrainPOP Jr 				