Grade K Mathematics – Unit 5: Comparing Sets Phoenixville Area School District

Stage 1 Desired Results						
PA Core Standards:	Transfer					
CC.2.1.K.A.1 Know number names and write and recite the count sequence. CC.2.1.K.A.2 Apply one-to-one correspondence to count the number of objects. CC.2.1.K.A.3 Apply the concept of magnitude to compare numbers and	 various representations, relationships, and patter Problem-Solving: Persistently apply various production accurately understand and solve problems Mathematical Vocabulary: Interpret mathematical 	n to demonstrate the value of numbers by describing their				
quantities.	Meaning					
CC.2.4.K.A.4 Classify objects and count the number of objects in each category. CC.2.1.K.B.1 Use place value to compose and decompose numbers within 19.	 UNDERSTANDINGS Students will understand that There are many ways to represent a number. Mathematicians use place value concepts to represent amounts. Identifying relationships between numbers helps classify and compare them. 	ESSENTIAL QUESTIONS Students will keep considering What are different ways to represent a number? How do I demonstrate the relationship among numbers, quantities, and place value for whole numbers? How can I use models, words, and expanded forms to order and compare numbers?				
C.C.2.2.K.A.1 Extend the	Knowledge and Skills Acquisition					
concepts of putting together and taking apart to add and subtract within 10.	KNOWLEDGE Students will Compare objects up to 19. Understand fewer, fewest and less. Understand more, most. Count on and count back. Compose numbers through 19. Decompose numbers through 19.	SKILLS Students will be skilled at Counting on and back using fingers to compare groups of objects to 19. Using number trains / number lines to compare numbers using terms like more or less. Using number trains / number lines to count on and back to identify how many more or how many less.				

	manipulatives or picture		f objects in each group of tures and tell how many in all. e through comparing sets in				
	Stage 2 – Evidence						
Code A/M/T	Evaluative Criteria	Assessment Evidence					
A/M/T Acquisition Meaning Making Transfer	Identify "how many more". Counting with one-to-one correspondence	PERFORMANCE TASK(S) Students will demonstrate understanding (meaning-making and transfer) through complete performance by Bake Me a Cupcake! • Goal: Your task is tomake sure there are enough cupcakes for everyone at a birthday party. • Role/Audience: You are a baker in a bakery and you are baking enough cupcate for 19 children at a birthday party. • Situation/Product: You already made 9 cupcakes. How many more cupcakes do you need to make so that all 19 children can have one? • Success Criteria: Student will be able to show that 10 more cupcakes are need to make 19 total using cutout cupcakes from template located in X Drive, Curriculum, Math Implementation 19-20, K, Unit 5. *Make 3 copies.	**If needed, may adjust the number of cupcakes that were "already made" to differentiate for student levels. IEP/ 504 plans Small group instruction One-on-one conferring Vocabulary Posters				

A/M/T Acquisition Meaning Making Transfer	Composing and decomposing numbers to 19 Identify "more" Counting with one-to-one correspondence	 [Chapter 9 MIF Assessment - Comparing Sets, Assessment Manual pages 30-31] 6 Constructed Response Prompts assess composing and decomposing numbers to 19 and 1 with an additional task of identifying "more". [Chapter 14 MIF Assessment - Number Facts, Assessment Manual pages 47-48] 6 Constructed Response Prompts: 4 assess composing and decomposing, 2 assess counting with one-to-one correspondence 	Differentiation Considerations IEP/ 504 plans Small group instruction One-on-one conferring Vocabulary Posters Individual goal setting Audio and visual supports Various questioning strategies Strategic partnering Flexible Math Groups
			 Extra Practice Enrichment Space for movement and breaks Additional time as needed Review directions Restate information