CCSS Mathematics Assessment Task
Apples and Bananas

Grade Level: Kindergarten
Mathematics Domain and Cluster: Domain: Operations and Algebraic Thinking Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.
Common Core standard(s) being assessed (if the task is intended to assess only one part of the standard, underline that part of the standard): K.OA.3: 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.
Student Materials: ● Apples and Bananas Assessment ● Counters ● Pencils
Teacher Materials: ● None
Directions (for teacher to administer assessment task): ● Provide students access to the counters ● Hand out the Apples and Bananas Assessment Differentiation: ● Students can represent their thinking using the counters. The teacher can take pictures as evidence of understanding. To gain a better understanding of students thinking the teacher can ask the student to explain how they solved the problem.
Prompt: Say: **Today you are going to solve a problem about apples and bananas.** Read the prompt: **Brad has 8 fruit. Some are apples. Some are bananas. Can Brad have 3 apples and 7 bananas? Why or why not? Show two different combinations of fruit that Brad could have.**

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Correct Model or Answer:

**Can Brad have 3 apples and 7 bananas?** NO

Why or why not?

    Using pictures, a number sentence or words the student must explain that 3 plus 7 is 10 not 9.

* This question is being asked to incorporate Standard for Mathematical Practice 3: Construct viable arguments and critique the reasoning of others.

Show two different combinations of fruit that Brad could have.

    The students answer could be represented using pictures, a number sentence or words.

Possible Picture Solutions
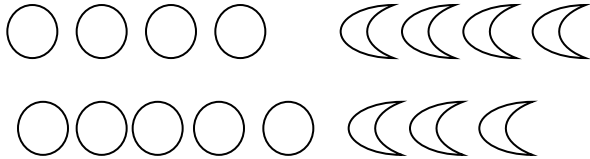
Possible Number Sentence Solutions

       1 apple + 7 bananas = 8 fruits

       3 apples + 5 bananas = 8 fruits

Words

       6 apples and 2 bananas

       4 apples and 4 bananas

Scoring Guide/Rubric (a score should be awarded for each criterion below)			
Criteria (CCSS code)	**0 points**	**1 Point**	**2 Point**
Decompose numbers less than or equal to 10 into pairs in more than one way. (K.OA.3)	Student is unable to identify a fruit combination that equals 8.	Student is able to accurately identify 1 different fruit combination that equals 8.	Student is able to accurately identify 2 different fruit combinations that equals 8.

Name _____   Date_____

Apples and Bananas

Solve the problem below.
Explain your thinking.

Brad has 8 fruit. Some are apples. Some are bananas.

Can Brad have 3 apples and 7 bananas?   YES   NO

Why or why not?

Show two or more different combinations of fruit that equal 8.

Combination 1	Combination 2

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