CCSS Mathematics Assessment Task
Balloon Assessment

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:
- Balloons Assessment
- 2 Sided Colored Counters/Beans
- Pencils

Teacher Materials:
- None

Directions (for teacher to administer assessment task):
- Provide students access to the 2 sided colored counters/beans.
- Hand out the Balloons Assessment.

Differentiation:
- Student can represent their thinking using the 2 sided colored counters/beans. 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:
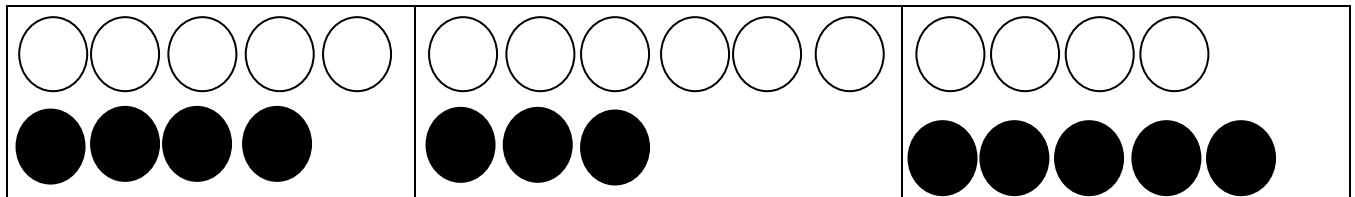Say: **Today you are going to solve a problem about balloons.**

Read the prompt: **Ava needs to buy 9 balloons for her mom's birthday. There are purple and green balloons. How many of each can she buy? Show 3 different combinations.**
How many of each can she buy?

Correct or Model Answer:

◯ = pink balloons   ◯ = green balloons

Possible Picture Solutions

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Possible Table Solution

Purple	Green
1	8
2	7
3	6
4	5
5	4
6	3
7	2
8	1

Possible Color Coded Number Equations Solution

1purple + 8 green = 9	3 purple + 6 green = 9	2 purple + 7 green = 9
4 purple + 5 green = 9	5 purple + 4 green = 9	6 purple + 3 green = 9

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 accurately show 9 using a drawings or equations.	Student accurately shows 1-2 different ways to make 9 using drawings or equations.	Student accurately shows 3 different ways to make 9 using drawings or equations.

Name _____   Date_____

Balloons

Problem:
Ava needs to buy 9 balloons for her mom's birthday.
There are purple and pink balloons.
How many of each can she buy?

Show 3 different combinations.
Show your thinking below using a picture and/or equation.

Solution 1

How many pink balloons? _____   How many green balloons? _____

How many balloons are there in all? _____

Solution 2

How many pink balloons? _____   How many green balloons? _____

How many balloons are there in all? _____

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Solution 3

How many pink balloons? _____   How many green balloons? _____

How many balloons are there in all? _____

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 accurately show 9 using a drawings or equations.	Student accurately shows 1-2 different ways to make 9 using drawings or equations.	Student accurately shows 3 different ways to make 9 using drawings or equations.