CCSS Mathematics Assessment Task
Graphing Sort

Grade Level: Kindergarten

Mathematics Domain and Cluster:
Domain: Measurement and Data
Cluster: Classify objects and count the number of objects in each category.

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.MD.3: Classify objects into given categories; count the numbers of objects in each category and sort the categories by count. (Limit category counts to be less than or equal to 10.)

K.CC.3: Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).

K.CC.5: Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle; or as many as 10 things in a scattered configuration; given a number from 1-20, count out that many objects.

K.CC.6: Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies. (Note: Include groups with up to 10 objects.)

Student Materials:
- Graphing Sort Assessment Sheet (Clip Art from Google Images)
- Pencil

Teacher Materials:
- None

Directions (for teacher to administer assessment task):
Teacher may choose whether to assess students individually or in small groups.
- Hand out Graphing Sort Assessment Sheet (one per student). Ask question prompts.
- Teacher can dictate the student's response when labeling each category.

Prompt:
Say: **Cut out the pictures of living things at the bottom. Sort the pictures and glue them onto the graph. Label how each group was sorted. Write how many are in each group. Draw a box around the group that has more.**

Correct or Model Answer:
Labels*: "Animals" and "Plants"
How Many?: "3" and "2"
Student should have a box drawn around the group of 3 objects.
* This is a sample answer. Student may answer in others ways such as "eyes" and "no eyes." There are many other ways that students can respond.
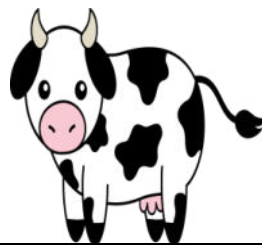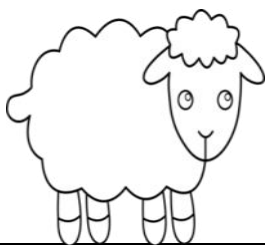
CCSS Mathematics Assessment Task

Scoring Guide/Rubric (a score should be awarded for each criterion below)			
Criteria (CCSS code)	**0 points**	**1 Point**	**2 Points**
Classifying the objects into given categories. (K.MD.3)	Student does not accurately sort objects into groups and does not explain how they sorted.	Student accurately sorts objects into groups but does not explain how they sorted.	Student accurately sorts objects into groups and is able to explain how they sorted.
Counting to answer "how many?" (K.CC.5, K.MD.3)	Student does not accurately count the objects in each group.		Student accurately counts the objects in each group.
Writes numbers 0-20. (K.CC.3)	Unable to write numbers.	Writes one of the 2 numbers correctly.	Writes both numbers correctly.
Identifying which group is greater than. (K.CC.6, K.MD.3)	Student does not identify which group has more.		Student accurately identifies which group has more.

CCSS Mathematics Assessment Task

Name: _____   Date: _____

Graphing Sort

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Group 1 Title	Group #2 Title
How many?_____	How many? _____

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Counting to answer "how many?" (K.CC.5, K.MD.3)	Student does not accurately count the objects in each group.		Student accurately counts the objects in each group.
Writes numbers 0-20. (K.CC.3)	Unable to write numbers.	Writes one of the 2 numbers correctly.	Writes both numbers correctly.
Identifying which group is greater than. (K.CC.6, K.MD.3)	Student does not identify which group has more.		Student accurately identifies which group has more.