CCSS Mathematics Assessment Task
Sorting Attribute Blocks

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:
- Sorting Attribute Blocks Assessment Sheet
- Pencil

Teacher Materials:
- Attribute Blocks – no more than 10 blocks per student; some blocks that are red, some that are blue, and some that are yellow (all various shapes and sizes)

Directions (for teacher to administer assessment task):
Teacher may choose whether to assess students individually or in small groups.
- Hand out Sorting Attribute Blocks Assessment Sheet (one per student) and attribute blocks. Ask question prompts.
- Teacher can write the student's response (if the student is unable to write) when labeling each group.

Prompt:
Say: **Sort the blocks by color. Draw a circle around each group. Label how you sorted each group. Count and write how many blocks are in each group next to the circle. Draw a box around the group that has the least objects.**

Correct or Model Answer:
Labels: "Red," "Blue," and "Yellow"
How Many?: Answers will vary

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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.	Unable to write numbers.	Writes one of the 2 numbers correctly.	Writes both numbers correctly.
Identifying which group is less than. (K.CC.6, K.MD.3)	Student does not identify which group has the least.		Student accurately identifies which group has the least.

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Name: _____ Date: _____

Sorting Attribute Blocks

Sort the attribute blocks by color. Draw a circle around each group. Label how you sorted each group.
Count and write how many blocks are in each group. Draw a box around the group that has the least.

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.
Writes numbers 0-20.	Unable to write numbers.	Writes one of the 2 numbers correctly.	Writes both numbers correctly.
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.
Identifying which group is less than. (K.CC.6, K.MD.3)	Student does not identify which group has the least.		Student accurately identifies which group has the least.

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