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| **NC.K.MD.3****Classifying Connecting Cubes** |
| **Domain** | Measurement and Data |
| **Cluster** | Classify objects and count the number of objects in each category. |
| **Standard(s)** | **NC.K.MD.3** Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.  |
| **Materials** | Connecting cubes: 6 blue, 8 red, 6 green, 4 yellow  |
| **Task** | 1. Show the student the collection of cubes.
2. Say: *I have a set of cubes. Sort these cubes by color.*
3. After the student has sorted the cubes by color, Say:
* *Count the number of cubes in each group*.
* *How many cubes do you have in each group?*
* *Do you have any groups that have the same amount?”*
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| **Continuum of Understanding** |
| **Not Yet Proficient** | * Is unable to sort the cubes by color
* Cannot count to determine how many
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| **Progressing**  | * Can sort the cubes but is unable to provide an accurate count for some groups.
* Does not notice that two groups have the same amount.
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| **Meets Expectations**  | * Sorts the cubes by color consistently.
* Counts each group correctly.
* Identifies that the sets of blue and green cubes have the same amount.
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| **Standards for Mathematical Practice** |
| **1. Makes sense and perseveres in solving problems.** |
| **2. Reasons abstractly and quantitatively.** |
| 3. Constructs viable arguments and critiques the reasoning of others. |
| 4. Models with mathematics. |
| 5. Uses appropriate tools strategically. |
| **6. Attends to precision.** |
| **7. Looks for and makes use of structure.** |
| 8. Looks for and expresses regularity in repeated reasoning. |