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| **NC.K.CC.6****Comparing Sets of Cubes** |
| **Domain** | Counting and Cardinality |
| **Cluster** | Compare numbers |
| **Standard(s)** | **NC.K.CC.6** Identify whether the number of objects, within 10, in one group is greater than, less than, or equal to the number of objects in another group, by using matching and counting strategies. |
| **Materials** | 7 green cubes, 9 red cubes, 4 green cubes, 4 yellow cubes |
| **Task Overview**  | Students compare two sets of objects using matching and counting strategies. The sets of objects are compared using the language “greater than”, “less than” or “equal to”.  |
| **Task** | 1. Give the student a set of **4 green cubes** and a set of **4 yellow cubes**. Say:
* *There are some green cubes in this set and some yellow cubes in this set.*
* *How many green cubes are there? How many yellow cubes are there?*
* *Is the number of yellow cubes greater than or less than the number of green cubes or is the number of cubes the same? Explain your thinking.*
1. Give the student a set of **7 green cubes** and a set of **9 red cubes**. Say:
* *There are some green cubes in this set and some red cubes in this set.*
* *How many green cubes are there? How many red cubes are there?*
* *Is the number of red cubes greater than or less than the number of green cubes or is the number of cubes the same? Explain your thinking.*
1. Give the student a set of **7 green cubes** and a set of **4 yellow cubes**. Say:
* *There are some green cubes in this set and some yellow cubes in this set.*
* *How many green cubes are there? How many yellow cubes are there?*
* *Is the number of yellow cubes greater than or less than the number of green cubes or is the number of cubes the same? Explain your thinking.*
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| **Continuum of Understanding** |
| **Not Yet Proficient** | * Is unable to compare any of the sets accurately
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| **Progressing** | * Correctly identifies which group is greater, than, less than or equal to in at least 1 situation
* Attempts to use a counting or matching strategy to compare the sets, but incorrectly answers the question(s)
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| **Meets Expectations**  | * Is able to correctly identify whether the number of objects in one group is greater than less than or equal to the number of objects in another group for all 3 comparison situations
* Uses a matching or counting strategy to compare
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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. |