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| **Clarity for Learning**  |
| **Standard KY.K.OA.3** Decompose numbers less than or equal to 10. a. Decompose numbers into two groups in more than one way **by using objects or drawings** and record each decomposition by a drawing or equation. b. Use objects or drawings to demonstrate equality as the balancing of quantities.  |
| **Concepts (Nouns)**numbersobjectsdrawingsequationequality | **Skills (Verbs)**decomposedemonstratebalance |
| **Learning Progressions***Prerequisite Skills:** Establish numerosity of a collection of objects up to10
* Understand the relationship between numbers and quantities: connect counting to cardinality (K.CC.4)
* Count to answer “how many?” questions with as many as 10 things in various configurations. (K.CC.5)
* Establish the numerosity of two collections of objects combined

*Grade Level Skills:** Partition numbers/objects into two groups in multiple ways up to and including 10
* Record decomposition by a drawing or equation
* Demonstrate equality as balancing of quantities (the same as, equivalent)

*Clarifications:*When presented with a numeral or collection (10 or less), the student separates that amount into two groups or collections via drawings or objects. Note: Drawings need not show detail, but accurately represent the quantities involved in the task. Students represent an equation as the balance of quantities. Note: Drawings need not show detail, but accurately represent the quantities involved in the task. KY.K.OA.3→KY.1.OA.6 |
| **Learning Intentions (I am learning to...)** | **Success Criteria (I know I’m successful when...)** |
| Decompose numbers into two groups. Show how different combinations can be equivalent. | * I can partition numbers in the range of 1-5 using objects, drawings, finger patterns, domino patterns.
* I can record number partitions within 5 using drawings or equations
* I can partition numbers in the range of 6-10 using objects, drawings, finger patterns, domino patterns, ten frames
* I can record number partitions within 10 using drawings or equations
* I can partition numbers within the range of 1-10 in multiple ways
* I can show sets of objects that are balanced or equivalent.
* I can understand and demonstrate equal partitions through use of objects and pictures so the quantities on both sides have the same value.
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