***Lesson Seeds:*** *The lesson seeds are ideas for the domain/standard that can be used to build a lesson. Lesson seeds are not meant to be all-inclusive, nor are they substitutes for instruction.*

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| **Domain: Operations and Algebraic Thinking**  **Cluster: Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.**  **Standard: K.OA.A.4 For any number from 1 to 9, find the number that makes 10 when added to the given number.** |
| **Purpose/Big Idea:** To match pairs of numbers that make 10. |
| **Materials:**   * A complete set of Ten frame cards (Resource Sheet 11) or digit cards (Resource Sheet 4) for each student and one for the teacher. |
| **Activity:**   * Students place their set of ten frame cards on their desk. * The teacher holds up a ten frame for the class to see. * Students then hold up the ten frame that makes ten with the number that the teacher is holding. * Example: Teacher shows: Students show:      * As students become proficient with the ten frames, the same activity can be completed with digit cards. |
| **Guiding Questions for Students:**   * How do you know your answer is correct?   **Guiding Questions for Teacher Observations:**   * Can the children instantly identify the number flashed in the ten frame, or do they need to count each dot? * Can the children instantly identify the number needed to complete the ten frame? * Do they use what they know about combinations for making ten or do they constantly recount? |

Resource Sheet 11 **Ten Frame Grid Cards**

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Resource Sheet 4 **0 - 10** **Number Cards**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **0** | **0** | **1** | **1** | **2** | **2** |
| **3** | **3** | **4** | **4** | **5** | **5** |
| **6** | **6** | **7** | **7** | **8** | **8** |
| **9** | **9** | **10** | **10** |  |  |