California Preschool Learning Foundations (at around 60 months of age) *Number Sense*	CA CCSSM – Kindergarten *Operations and Algebraic Thinking (OA)*
Children expand their understanding of number relationships and operations in their everyday environment.	**Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.**
PLF.NS–2.2 Understand that adding one or taking away one changes the number in a small group of objects by exactly one.	**K.OA.1** Represent addition and subtraction with objects, fingers, mental images, drawings, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.
PLF.NS–2.3 Understand that putting two groups of objects together will make a bigger group and that a group of objects can be taken apart into smaller groups.	**K.OA.2** Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.
PLF.NS–2.4 Solve simple addition and subtraction problems with a small number of objects (sums up to 10), usually by counting.	**K.OA.3** Decompose numbers less than or equal to 10 into pairs in more than one way, e.g., by using objects or drawings, and record each decomposition by a drawing or equation (e.g., $5 = 2 + 3$ and $5 = 4 + 1$).
	K.OA.4 For any number from 1 to 9, find the number that makes 10 when added to the given number, e.g., by using objects or drawings, and record the answer with a drawing or equation.
	K.OA.5 Fluently add and subtract within 5.

Vocabulary: *Bigger, smaller, add, subtract, take away, addition, subtraction, adding, subtracting, make 10, all together, equals, the same as, in all, total, amount left*

What it looks like:

- Tony announces, "Look, if we put your blocks with my blocks, we have a bigger pile! We have more." (This is an example of an Add To/Result Unknown situation. See table GL-4 in the glossary.) (**MP.8**)

- Miriam says, "I have three cows and two pigs. That makes one, two, three, four, five. Five animals!" (This is an example of a Put Together/Total Unknown addition situation. See table GL-4 in the glossary.) (**MP.2, MP.4, MP.6**)

- While playing in the block area, José says to Antonio, "If we put your cylinders with my cylinders, we'll have, one, two three, four, five, six cylinders—enough for the factory smokestacks!" (This is another example of a Put Together/Total Unknown addition situation.) (**MP.2, MP.4**)

- Oscar says, "There are five cars, but two are broken, so we can only use three of them." (This is an example of a Take From/Results Unknown subtraction situation. See table GL-4 in the glossary.) (**MP.2, MP.4**)