

California Content Standards — Kindergarten

By the end of kindergarten, students understand small numbers, quantities, and simple shapes in their everyday environment. They count, compare, describe and sort objects, and develop a sense of properties and patterns.

Number Sense

- 1.0** Students understand the relationship between numbers and quantities (i.e., that a set of objects has the same number of objects in different situations regardless of its position or arrangement):
- 1.1** Compare two or more sets of objects (up to ten objects in each group) and identify which set is equal to, more than, or less than the other.

Aligning Learning With the Content Standards:

At the end of the section, students will be able to:

- Appreciate that there is a **relationship** between **numbers and quantities**.
- Recognize that **objects** can be arranged in **different groupings** but still have the **same number value**.
- Have lots of opportunities to practice **handling objects** and **talking about sets** before they arrive at the more formal stage of writing numbers down.
- Use small toys, shells, pasta shapes, buttons, counters etc and **talk about groups that contain more or less than each other**.
- **Move the objects around to change the arrangement** and **discuss whether they still contain the same number**, i.e. from a straight line to a random grouping.
- **Practice drawing similar sets of up to 5 objects and recognize their values**. Once this is mastered, they can move up to sets of 10, and so on.



Math Language:

Students should become increasingly confident in using such terms and phrases as:

The same as..., bigger, biggest, larger, largest, smaller, smallest, more, most, less, least, fewer, fewest, order, first, last, before, after, next, between