

Understand Numbers 1–10

Learning Progressions for the Common Core State Standards Counting and Cardinality and Operations and Algebraic Thinking

In Grade K, children

- become fluent in saying the count sequence and count out a given number of objects.
- recognize the cardinality of small groups (perceptual subitizing).
- understand that the last number name said in counting tells the number of objects counted.
- compare by matching.
- act out adding and subtracting situations with objects, their fingers, and math drawings.

In Grade 1, children will

- use counting-on methods in which a counting word represents a group of objects that are added or subtracted.
- add and subtract in comparing situations.

Content Standards Across the Grades

Grade K

- Know number names and the count sequence. [CC.K.CC.1, 2, 3]
- Count to tell the number of objects. [CC.K.CC.4a, 4b, 5]
- Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies. [CC.K.CC.6]
- Represent and solve addition and subtraction situations within 10 with objects, fingers, mental images, drawings, sounds, acting out situations, verbal explanations, expressions, or equations. [CC.K.OA.1, 2]
- Classify objects and count the number of objects in each category. [CC.K.MD.3]
- Identify and describe shapes. [CC.K.G.1, 2, 3]
- Analyze, compare, create, and compose shapes. [CC.K.G.4, 5]

Grade 1

- Use addition and subtraction within 20 to solve word problems. [CC.1.OA.1]
- Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral. [CC.1.NBT.1]
- Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols $>$, $=$, $<$. [CC.1.NBT.3]
- Reason with shapes and their attributes [CC.1.G.1, 2, 3]
- Represent and interpret data. [CC.K.MD.4]