

5-Groups in Numbers 6–10

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

In Grade K, children will

- use subitizing to see that numbers from 6–10 are composed of a 5-group and more ones
- order and identify numbers from 1–10 and use the information to create and answer questions about objects
- understand that a number is 1 greater than the number before it and 1 less than the number after it

In Grade 1, children will

- represent a situation or numerical problem with groups of objects, a drawing, fingers, or equations
- model the situation by composing two addend groups or decomposing a total group
- work toward fluency for addition and subtraction within 10

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, 4c, 5]
- Compare numbers. [CC.K.CC.6,7]
- Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from. [CC.K.OA.1, 2, 3, 4, 5]
- Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres). [CC.K.G.1, 2]
- Analyze, compare, create, and compose shapes. [CC.K.G.4]

Grade 1

- Use addition and subtraction within 20 to solve word problems. [CC.1.OA.1]
- Apply properties of operations as strategies to add and subtract. [CC.1.OA.3]
- Relate counting to addition and subtraction. [CC.1.OA.5]
- Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. [CC.1.OA.6]