

KINDERGARTEN MATHEMATICS

June 2021

Mathematical Practice Standards: Make sense of, communicate, connect, and justify mathematical ideas to support understanding and learning across all mathematical concepts

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

Know Number Names and the Counting Sequence (Counting and Cardinality)

- Know number names to 20 and the counting sequence to 100 (K.CC.1-3).
- Count to tell the number of objects (K.CC.4-5).
- Identify and compare quantities of objects and numerals (K.CC.6-7).

Represent and Solve Problems Involving Addition and Subtraction

- Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from within 10 (K.OA.1-4).
- Fluently add and subtract using numbers within 5 (K.OA.5).

Understand and Use Place Value

- Use objects or drawings to compose and decompose numbers 11-19 to gain foundations for place value (K.NBT.1).

Supporting Standards: Measurement, Data, and Geometry

- Measurement and Data: Describe and compare measurable attributes of objects. Classify objects and count the number of objects in each category (less than 10)
- Geometry: Identify and describe shapes including circles, triangles, rectangles, hexagons, cubes, cones, cylinders and spheres. Analyze, compare, create, and compose shapes.