

FIRST GRADE 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

Represent and Solve Problems Involving Addition and Subtraction

- Develop an understanding of addition, subtraction, and strategies for addition and subtraction within 20. Represent and solve addition and subtraction word problems including all problem types with unknowns in all positions (1.OA.1-2).
- Understand and apply properties of addition and subtraction and the relationship between addition and subtraction (1.OA.3-4).
- Fluently add and subtract within 10 by the end of first grade (1.OA.6.b)
- Understand the meaning of the equal sign and work with addition and subtraction equations (1.OA.7-8).

Understand and Use Place Value

- Develop an understanding of whole number relationships and place value including grouping in tens and ones. Extend the counting sequence to 120 (1.NBT.1).
- Understand that the digits of a number represent the amount of ones and tens (1.NBT.2).
- Compare two, two-digit numbers (1.NBT.3).
- Use place value understanding to add and subtract a two-digit number and either a one-digit number or a multiple of ten adding tens to tens and ones to ones (1.NBT.4-6).

Develop Concepts of Measurement

- Order and compare lengths of three objects (1.MD.1).
- Develop and understanding of linear measurement and measuring lengths as copies of same-length units. Measure lengths indirectly by laying copies of an object end to end and express the measurement as a whole number (1.MD.2).

Supporting Standards: Time, Money, Data and Geometry

- Tell and write time in hours and half-hours. (1.MD.3)
- Identify the value of coins (1.MD.5)



DISPOSITIONS, ESSENTIAL SKILLS, AND KNOWLEDGE

Priority Standards

- Represent and interpret data with up to three categories and ask and answer questions about the data. (1.MD.4)
- Distinguish between defining and non-defining attributes, compose three dimensional shapes. (1.G.1-2)
- Partition circles and rectangles into two and four equal parts and describe the parts using fraction language (1.G.3)