



FIRST GRADE MATHEMATICS

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
- Understand and apply properties of addition and subtraction and the relationship between addition and subtraction
- Fluently add and subtract within 10 by the end of first grade
- Understand the meaning of the equal sign and work with addition and subtraction equations

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
- Understand that the digits of a number represent the amount of ones and tens
- Compare two, two-digit numbers
- 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

Develop Concepts of Measurement

- Order and compare lengths of three objects
- Develop an 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

Mathematical Practices

- 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

