

SBSD Math Standards

Kindergarten

Counting and Cardinality

- Counts by ones to 100 from a given number
- Counts by tens to 100
- Counts backward within the range of 15 to 0
- Counts out a given number of objects up to 20
- Writes numerals to 20
- Represents a number of objects with a written numeral from 0 to 20
- Compares numerals or sets of objects using “greater than”, “less than”, or “equal to”

Operations and Algebraic Thinking

- Solves addition and subtraction word problems to 10 using objects or drawings
- Knows addition and subtraction facts to 5

Number and Operations in Base Ten

- Understands that a teen number is made up of 1 ten and some more ones (for example: $14 = 1$ ten and 4 ones)

Measurement and Data

- Measures and compares the length or weight of objects using non-standard units

Geometry

- Names and compares shapes regardless of orientation or size

Grade 1 Standards

Operations and Algebraic Thinking

- Adds and subtracts within 20 to solve a variety of word problems
- Knows addition and subtraction facts through 10
- Uses the means of the equal sign to solve a variety of equations ($7 + \square = 13$ or $\square = 7 + 6$)
- Applies properties of operations as strategies to add and subtract

Number and Operations in Base Ten

- Counts to 120, starting at any number
- Reads, writes, and represents numerals to 120
- Counts by 2's, 5's, and 10's
- Adds numbers within 100 using a variety of strategies
- Adds and subtracts multiples of 10 ($50 + 30 = \square$, $50 - 30 = \square$)

- Understands that a 2-digit number is made up of tens and ones
- Compares numbers using $<$, $=$, and $>$

Measurement and Data

- Tells and writes time using analog and digital clocks to the hour and half hour
- Measures and compares the length of objects using non-standard units
- Represents and interprets data

Geometry

- Identifies, draws, and classifies shapes
- Partitions rectangles and circles into equal shares

Mathematical Practices

- Makes sense of problems and perseveres in solving them
- Clearly communicates mathematical thinking

Grade 2 Standards

Operations and Algebraic Thinking

- Adds whole numbers within 100 using a variety of strategies
- Subtracts whole numbers within 100 using a variety of strategies
- Solves word problems
- Knows addition facts through 20
- Demonstrates conceptual understanding of odd and even

Number and Operations in Base Ten

- Understands place value of three-digit numbers
- Uses place value strategies to add and subtract
- Reads, writes and counts numbers to 1000
- Compares numbers using $<$, $=$, and $>$

Measurement and Data

- Measures, estimates, and compares length
- Tells and writes time using analog and digital clocks to the nearest five minutes
- Counts collection of money and uses correct money notation
- Solves problems using money
- Represents and interprets data

Geometry

- Identifies, draws and classifies two-dimensional shapes
- Partitions two-dimensional shapes and circles into equal shares
- Identifies and draws three-dimensional shapes

Grade 3 Standards

Operations and Algebraic Thinking

- Understands properties of multiplication and division
- Multiplies using a variety of strategies
- Divides within 100 using a variety of strategies
- Knows multiplication facts through 81
- Represents and solve problems involving the four operations

Number and Operations in Base Ten

- Adds and subtracts with a variety of strategies
- Uses place value understanding to round

Number Sense and Operations – Fractions

- Demonstrates an understanding of fractions
- Understands a fraction as a number on the number line
- Generates simple equivalent fractions

Measurement and Data

- Solves problems involving measurement and estimation
- Represents and interprets data
- Demonstrates an understanding of area
- Demonstrates an understanding of perimeter

Geometry

- Categorizes and partitions shapes

Grade 4 Standards

Operations and Algebraic Thinking

- Understands factors and multiples
- Solves multi-step word problems

- Estimates sums, differences, products, and quotients, and checks for reasonableness of solutions
- Knows multiplication facts

Number and Operations in Base Ten

- Understands multi-digit place value
- Adds and subtracts multi-digit whole numbers using the standard algorithm
- Multiplies whole numbers using place value strategies
- Divides to find whole number quotients and remainders with up to four-digit dividends and one-digit divisors using a variety of strategies

Number and Operations—Fractions

- Applies and extends understanding of equivalent fractions
- Compares and orders fractions
- Adds and subtracts fractions with like denominators
- Compares and orders decimals

Measurement and Data

- Represents and interprets data
- Convert units within a given measurement system
- Solves problems involving measurement

Geometry

- Draws and identifies lines and angles
- Classifies two-dimensional figures

Grade 5 Standards

Operations and Algebraic Thinking

- Writes and interprets numerical expressions
- Demonstrates an understanding of order of operations

Number and Operations in Base Ten

- Understands the place value system
- Multiplies multi-digit whole numbers using the standard algorithm
- Divides to find quotients with multi-digit dividends and two-digit divisors using a variety of strategies
- Performs operations with multi-digit whole numbers and with decimals

Number and Operations – Fractions

- Adds and subtracts fractions with unlike denominators
- Applies and extends previous understandings of multiplication and division to multiply and divide fractions
- Solves word problems with fractions

Measurement and Data

- Convert units within a given measurement system
- Represents and interprets data
- Understands concepts of volume
- Relates volume to multiplication and to addition
- Solves multi-step word problems

Geometry

- Graphs points on a coordinate plane to solve problems
- Classifies two-dimensional figures based on properties