

Scope and Sequence for K-3 Math

Counting:

- Number-line use
- Simple counting to 20
- Counting and writing to 100
- Place value through 100's
- Counting, reading, writing to 1,000
- Reading and writing numbers to 5 places
- Counting by 2's to 40
- Counting by 2's, 3's, 4's, 5's, and 10's
- Ordinal-cardinal relationship
- Ordinal numbers through ten
- Number-numeral relationship
- Place value and numeration

Basic Skills:

- Concepts of more, less than, same
- Concepts of equality and inequality
- Correspondence of quantities
- Recognition of basic sets
- Simple number patterns
- Rounding numbers
- Positive and negative numbers in daily life
- Properties of one
- Simple properties of zero
- Simple properties of sets
- Using 10 as a basic unit
- Meaning of addition and subtraction
- Beginning addition and subtraction facts
- Addition and subtraction facts to 20
- Addition and subtraction facts to 25
- Zero as a place holder
- Basic multiplication and division facts
- Multiplication and division facts as inverse operations
- Multiplication properties of 0 and 1
- Multiplication and division facts to 100
- Beginning Roman numerals

Measurement:

- Concepts of quantity and size
- Common customary and metric measures of time
- Common customary and metric measures of weight
- Common customary and metric measures of length
- Common customary and metric measures of volume
- Common customary and metric measures of shape
- Common customary and metric measures of temperature

Time:

- Recognizing time: clock and calendar
- Telling time and using the calendar

- Time to 1- and 5-minute measures

Money:

- Value of penny, nickel, dime, quarter
- Handling money (coins)
- Denominations of money

Geometry:

- Recognizing shapes
- Geometric patterns and figures
- Geometry puzzles and activities
- Geometric constructions
- Similar and congruent figures
- Properties of solid figures
- Perimeter, area, volume

Fractions, Decimals, Ratios:

- Fractions in daily life
- Using $\frac{1}{2}$ and $\frac{1}{4}$ appropriately
- Simple fractions and equivalents
- Decimal numeration system
- Basic concept of ratio
- One-to-one relationship

Problem Solving:

- Sequence of events
- Solving simple word problems
- Basic probability and chance
- Basic chart and graph concepts
- Problems-solving analysis
- Estimation of outcomes