

Grade 3 Unit Topics

Mathematical Thinking at Grade 3 (Introduction)

- Counting and grouping
- Number patterns on the 100 chart
- Odd and even numbers
- Symmetry
- Collecting, recording, and representing data
- Addition and subtraction strategies and combinations
- Combining coins

Things That Come in Groups (Multiplication and Division)

- Multiplication with groups
- Patterns and multiples on a 100 Chart
- Multiplication with arrays
- Relationships between multiplication and division

Flips, Turns, and Area (2-D Geometry)

- Measuring areas by covering spaces with units and half-units
- Comparing areas of rectangles with different dimensions
- Describing motions as slides, flips, and turns
- Comparing shapes for congruence

From Paces to Feet (Measuring and Data)

- Estimating length
- Measuring in nonstandard and standard units
- Using U.S. standard and metric measures
- Collecting, describing, and analyzing data

Landmarks in the Hundreds (The Number System)

- Counting and grouping
- Factors and multiples
- Multiples of 100
- Multiplication and division

Up and Down the Number Line (Changes)

- Numbers above and below zero
- Net change
- Inverse operations—addition and subtraction
- Graphing positive, negative, and zero change

Combining and Comparing (Addition and Subtraction)

- Developing strategies for combining and comparing numbers
- Collecting and comparing data
- Numeration through hundreds and thousands
- Using measurement to combine heights and compare weights
- Adding amounts to make a sum of money
- Exploring mathematical characteristics of the calendar

Turtle Paths (2-D Geometry)

- Paths and lengths of paths
- Turns
- Describing triangles
- Measuring paths, turns, and perimeter

Fair Shares (Fractions)

- Making equal parts
- Grouping unit fractions
- Equivalent fractions
- Mixed numbers
- Relating fractions and division
- Fractions and decimals

Exploring Solids and Boxes (3-D Geometry)

- Sorting and describing solids
- Building polygons
- Building polyhedra
- Investigating boxes and patterns for solids