

Mathematics Topics Moved from Grade Levels (K-5)

Kindergarten	First	Second	Third	Fourth	Fifth
Knows left and right hand	Ordinal numbers (K)	Identify 2D and 3D shapes (K)	+/- Fact families (1)	Measuring and selecting appropriate tool for weight, capacity, length (measuring may be used to solve problems – area) (2)	Compare/order whole numbers (K-3)
Concepts for temp. (hot and cold)	Describes the relationship of objects using positional language (K)	Write number sentences associated with +/- (1)	Add/Sub (1-2)	Surveys/constructs/analyzes data displays (frequency tables, bar graphs, pictographs, and line plots) (3)	Measuring and selecting appropriate tool for weight, capacity, length (measuring may be used to solve problems – area, volume, surface area) (2)
Awareness of add/sub (1)	Demonstrates an understanding of temperature by using thermometers (temperature concepts may be used to solve problems, esp 7 th grade)	Missing addend (1)	Identifies slides, flips, and turns (4)	Uses concrete materials and symbolic notation to represent numbers in bases other than base ten, such as base five	Decimals through thousandths (4)
Equivalent forms of same number (1)	Measuring using customary and metric units (2)	+/- Fact families (1)	Multiples (4)	Using Roman Numerals	Compare/order/place on number line: whole numbers (K-3), fractions/improper fractions (3-4), decimals (4)
Number lines (1)	Skip counting (2)	Equivalent forms of same number (1)	Plots and identifies ordered pairs on a coordinate plane (5)	Estimate/calculate volume (5)	Identify/create/extend/generalize patterns (1-4)
Explores computer graphing software	Odd/even (2)	Add/Sub (1)	Compare/ convert units of measure (5)	Perimeter (3)	Identifies/demonstrates slides, flips, and turns and knows their effect (4)
Measuring length/distance using standard and nonstandard units (1)	Generalize patterns using words and tables (2-)	Sorts/describes/compar es/ contrasts 2D and 3D shapes (1)	Inequalities (6)	Plots and identifies ordered pairs on a coordinate plane (5)	Inequalities (6)
Measuring capacity and weight and knowing appropriate tool (2)	Time (2 – 3)	Surveys/constructs/ analyzes data displays (3) (frequency tables, bar graphs, pictographs, and line plots)	Find mean, median, mode, and range (6)	Compare/convert units of measure (5)	Knows the characteristics of and relationships among points, lines, line segments, rays, and planes
Interprets and describes data concretely and in pictorial graphs (3)	Money (2)	Identifies slides, flips, and turns (4)	Uses statistical data to identify trends (6)	Inequalities (6)	Mult/Divide fractions and decimals (6)
Surveys/constructs/analyzes data displays (frequency tables, bar graphs, pictographs, and line plots) (3)	Measures and knows appropriate tools for weight (2)	Plots and identifies ordered pairs on a coordinate plane (5)	Probability (7)	Find and analyze mean, median, mode, and range (6)	Circumference of circle (6)
Probability/chance (7)	Surveys/constructs/ analyzes data displays (frequency tables, bar graphs, pictographs, and line plots) (3)	Creates line graphs (5)		Generates questions, collects responses, and displays data on a pictograph (2), circle graph (7), bar (3), double bar (5), or line graph (5)	Find and analyze mean, median, mode, and range (6)
Skip counting (2)	Range and mode (6)	Creates pictographs (3)		Probability (7)	Determine how changes in dimensions affect the perimeter, area, and volume of common geometric figure and apply these relationships to solve problems (7)
Odd/even (2)	Identifies slides and turns (4)	Find mean, median, mode, and range (6)		Stem-and-leaf plots/Circle graphs (7)	Probability (7)
Fractional parts (2-)	Probability (7)	Probability (7)		Exponential and scientific notation (8)	Stem-and-leaf plots/Circle graphs (7)
Money concepts (2)					
Mode, range (6)					
Explores slides and turns (4)					