

Vocabulary of 3rd Grade Math Students



Mathematically proficient 3rd-graders understand, compute, apply, and reason about mathematics concepts while engaging in mathematical situations. 3rd-grade students communicate using mathematical language.

Multiplication and Division

Mathematically proficient language: products, groups of, quotients, partitioned equally, multiplication, division, equal groups, group size, array, equation, unknown, operation, multiply, divide, factor, strategies, properties (rules about how numbers work), reasonableness, mental computation

Arithmetic

Mathematically proficient language: operation, multiply, divide, add, subtract, addend, factor, product, sum, quotient, difference, unknown, equation, strategies, reasonableness, mental computation, estimation, rounding, patterns, properties, place value, compose, decompose

Fractions

Mathematically proficient language: partition, equal parts, fractions, equal distance (intervals), equivalent, equivalence, reasonable, denominator, numerator, comparison, compare, justify, greater than, less than, equal to

Measurement

Mathematically proficient language: estimate, time, time intervals, minute, hour, elapsed time, measure, liquid, volume, mass, standard unit, metric, gram, kilogram, liter

Data

Mathematically proficient language: scale, scaled picture graph, scaled bar graph, line plot, data

Geometric Measurement

Mathematically proficient language: attribute, area, square unit, plane figure, gap, overlap, square centimeter, square meter, square inch, square foot, nonstandard unit, tiling, side length, decompose, perimeter, linear, polygon

Geometry

Mathematically proficient language: properties, attributes, features, quadrilateral, open figure, closed figure, three-sided, 2-dimensional, rhombi, rectangles, squares, trapezoid, triangle, hexagon, circle, half/quarter circle, partition, unit fraction, kite, cube, cone, cylinder, sphere