Grade 3

Smarter Balanced Construct Relevant

VOCABULARY
FOR MATHEMATICS

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VOCABULARY
FOR MATHEMATICS

Grade
3

Target A: multiply, divide, array, liquid volume, mass, equation, product, quotient, grams, kilograms, liters

Target B: divide, equation, multiply, factor, equal, operation, product, quotient, expression

Target C: equation, multiply, divide, product, quotient, factor

Target D: equation, multiply, divide, factor, product, quotient, subtract, add, addend, sum, difference, estimation, estimate, rounding, patterns

Target E: round to the nearest, add, subtract, sum, difference, multiply, place value, addend

Target F: equal, denominator, numerator, less than, greater than, number line

Target G: grams (g), kilograms (kg), liters (L), estimate, time, time intervals, minute, hour, measure, liquid volume, mass, standard units, metric

Target H: scaled bar graph, scaled picture graph, line plot

Target I: unit square, area, square unit, plane figure, square centimeter, square meter, square inch, square feet

Target J: perimeter, quadrilateral, rectangle, area, polygon, plane figure

Target K: divide, equal areas, rhombus, rectangle, circle, triangle, pentagon, hexagon, quadrilateral, parallelogram

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VOCABULARY
FOR MATHEMATICS

Grade
4

Target A: remainder, sum, difference, quotient, product, equation, times, as much, times as many, equation

Target B: whole number, prime composite, factor, factor pair, multiple

Target C: pattern

Target D: nearest ten, nearest hundred, nearest thousand, nearest ten thousand, nearest hundred thousand, ones, tens, hundreds, thousands, ten thousands, hundred thousands, millions

Target E: sum, difference, product, expression, equation, equal, partial product, quotient, partial quotient, remainder multiple

Target F: fraction, equivalent, divide, equal to, greater than, less than, digits, numerator, denominator

Target G: equation, expression, equal, fraction, model, product, numerator

Target H: equivalent, equal, decimal, kilometers, meters, centimeters, kilograms, grams, liters, milliliters, length, mass, volume, number line, fraction, denominator, equation, expression

Target I: equivalent, mass, volume, interval, area, perimeter, square units

Target J: line plot, data set, interval, fractions, unit fractions, numerator, denominator, sum, difference, add, subtract

Target K: protractor, angle, ray, intersect, one-degree angle, vertex, ray

Target L: point, ray, angle, line, line segment, parallel, perpendicular, right, obtuse, acute, sides, polygon, triangle, quadrilateral, pentagon, hexagon, octagon, right triangle, line of symmetry, greater than, less than, equal to

Grade
5

Smarter Balanced Construct Relevant
VOCABULARY
FOR MATHEMATICS

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VOCABULARY
FOR MATHEMATICS

Grade
5

Target A: sum, quotient, factor, dividend, divisor

Target B: coordinates, ordered pairs, pattern, sequence

Target C: round, digit, value, greater than, less than, equal to, equivalent, expression, expanded form, hundredths, tenths, thousandths, word form

Target D: array, area model, equation, quotient, product, factor, divisor, dividend, remainder

Target E: sum, difference, product, expression, equation, equal, partial product, quotient, partial quotient, remainder multiple

Target F: fraction, equivalent, denominator, numerator, sum, difference, product, mixed number

Target G: mass, weight, length, time, kilometer, meter, centimeter, kilogram, gram, liter, milliliter, inch, foot, yard, mile, ounce, pound, cup, pint, quart, gallon, hour, minute, second

Target H: line plot, table, measurement, data set, interval, unit fraction, mixed number

Target I: area array, right rectangular prism, associative property, cube, volume, length, width

Target J: origin, coordinate plane, coordinate system, coordinate pair, x-coordinate, ycoordinate, first quadrant, point, x-axis, y-axis, ordered pair

Target K: right, acute, obtuse, line segments, parallel, perpendicular, symmetrical, line of symmetry

Grade 6

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Smarter Balanced Construct Relevant
VOCABULARY
FOR MATHEMATICS

Grade
6

Target A: ratio, unit rate, unit price, ordered pairs

Target B: : fraction, quotient, product

Target C: sum, difference, product, quotient, common factor, greatest common factor, common multiple, least common multiple, distributive property

Target D: positive, negative, integer, absolute value, coordinate, ordered pair, coordinate grid/plane, quadrant, number line, relative position, magnitude

Target E: sum, product, quotient, difference, negative, term, factor, coefficient, expression, algebraic expression, numerical expression, order of operations, distributive property, associative property, commutative property

Target F: variable, equation, inequality, solution, solution set

Target G: variable, equation, inequality, dependent variable, independent variable, relation

Target H: coordinate, ordered pair, coordinate plane, compose/decompose, vertices, right triangle, unit fraction, edge length, area, surface area, volume, nets, faces, edges, vertices

Target I: variation(variability), interquartile range, range, mean absolute deviation, center, spread, mean, median, outliers, shape (pertaining to statistics such as gap, cluster, peak, skew, bell curve and uniform distribution)

Target J: variability, interquartile range, range, mean absolute deviation, outliers, center, spread, mean, median, shape (pertaining to statistics such as gap, cluster, peak, skew, bell curve, and uniform distribution)

Grade
7

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Smarter Balanced Construct Relevant
VOCABULARY
FOR MATHEMATICS

Grade
7

Target A: proportional relationship, ration, unit rate, constant of proportionality, origin, percent increase, percent decrease, percent error

Target B: : rational numbers, absolute value, positive, negative, additive inverse, sum, difference, terminating decimal, repeating decimal, integer

Target C: sum, difference, factor, rational coefficient, linear expression, distributive property of multiplication, associative property of addition/multiplication, commutative property of addition/multiplication

Target D: rational number, equation, numeric expression, inequality, variable, constant, solution, solution set, distributive property of multiplication over addition, commutative property of addition/multiplication, associative property of addition/multiplication, additive/multiplicative identity, additive/multiplicative inverse

Target E: scale drawing, scale, scale factor, ratio, proportion, polygon, triangle (right, acute, obtuse, equilateral, isosceles, scalene), quadrilateral, trapezoid, parallelogram, cube, rightrectangular prism, right-rectangular pyramid, square pyramid, cone, cylinder, plane, perpendicular, parallel, base of a three-dimensional figure, horizontal slice, vertical slice

Target F: area, circumference, pi, circle, radius, diameter, supplementary angles, complementary angles, vertical angles, adjacent angles, linear pairs of angles, volume, surface area, triangles, quadrilateral, square, rectangle, parallelogram, trapezoid, cubes, right prisms

Target G: random sample, representative sample, inference, validity, variation, data sets, prediction

Target H: numerical data distribution, center, variability, random sample, comparative inference, mean, median, mean absolute deviation, range, interquartile range

Target I: single event, compound event, probability model, tree diagram, outcome, frequencies

Grade
8

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Smarter Balanced Construct Relevant
VOCABULARY
FOR MATHEMATICS

Grade
8

Target A: rational number, irrational number, repeating decimal, terminating decimal, square root, pi

Target B: : rational number, irrational number, scientific notation, decimal notation, exponent, power, base, radical, square root, cube root, perfect square, perfect cube, exponent

Target C: proportional relationship, unit rate, slope, y-intercept, similar triangles, origin, coordinate plane, ordered pairs

Target D: linear equation, y-intercept, slope, standard form, intersection, system, solution, coefficient, constant, ordered pair, x-coordinate, y-coordinate

Target E: function, relation, linear, nonlinear, ordered pairs, coordinate grid, rate of change, y-intercept, x-intercept, slope

Target F: function, slope, y-intercept, linear, nonlinear, rate of change, increasing, decreasing, constant, interval, relation

Target G: angle, transformation, translation, translate, rotation, rotate, reflection, reflect, dilation, dilate, line segment, similar, congruent, parallel, transversal, exterior angle, interior angle, angle-angle criterion, scale factor, vertical angles, adjacent angle, supplementary angles, complementary angles

Target H: Pythagorean Theorem, leg, hypotenuse, right triangle, base

Target I: volume, cylinder, cone, sphere, radius, diameter, area, base, pi

Target J: cluster, data, frequency, initial value, line of best fit, trend line, linear extrapolation, linear association, negative association, outlier, positive association, rate of change, relative frequency, scale, scatter plot, slop, two-way relative frequency table, variable, x-axis, y-axis, x-intercept, y-intercept

High School

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Smarter Balanced Construct Relevant
VOCABULARY
FOR MATHEMATICS

High School

Target A: exponent, radical, rational exponent

Target B: : rational number, irrational number, real number

Target C: square units, cubic units, unit conversion, axis scale

Target D: expression, factor, difference of squares, difference of cubes, sum of cubes, quadratic expression

Target E: monomial, binomial, trinomial, polynomial, maximum value, minimum value, zero (of a function)

Target F: terms, factors, coefficients, monomials, binomials, trinomials, polynomials, exponents, expressions, distribute, distributive property, sum, difference, product, like terms

Target G: inequality, exponential, quadratic, simple rational, or exponential

Target H: radical, rational, real, solution

Target I: quadratic formula, factoring quadratic equations, completing the square

Target J: cluster, data, frequency, initial value, line of best fit, trend line, linear extrapolation, linear association, negative association, outlier, positive association, rate of change, relative frequency, scale, scatter plot, slop, two-way relative frequency table, variable, x-axis, y-axis, x-intercept, y-intercept

Target K: domain, range, function, input, output, sequence, relation, ordered pair(s)

Target L: x-intercept, y-intercept, interval, increasing interval, decreasing interval, relative maximum, relative minimum, symmetry, axis of symmetry, end behavior of a graph, limit, periodicity, average rate of change

Target M: quadratic, square root, cube root, piecewise-defined, polynomial, exponential, logarithmic, x-intercept, y-intercept, interval, relative maximum, relative minimum, symmetry, axis of symmetry, end behavior of a graph, limit, periodicity

Target N: function(s), quantity, quantities, explicit, recursive, arithmetic sequence, geometric sequence, input, output, ordered pairs

Target O: trigonometry, trigonometric ratio, right triangle, sine, cosine, tangent, side, Pythagorean Theorem

Target P: mean, median, interquartile range, outlier, standard deviation