

VERSION 1.1
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Draft

MATHEMATICS GRADE LEVEL VOCABULARY



washington
educational
service
districts

DRAWN FROM SBAC ITEM SPECIFICATIONS

PRESENTED BY: WASHINGTON STATE REGIONAL
MATH COORDINATORS



Grade 5 Mathematics Item Specification C1 TA

Achievement Level Descriptors:	
RANGE Achievement Level Descriptor (Range ALD) Target A: Write and Interpret numerical expressions.	Level 1 Students should be able to evaluate numerical expressions that have either parentheses, brackets, or braces.
	Level 2 Students should be able to write and evaluate numerical expressions having two non-nested sets of parentheses, brackets, or braces.
	Level 3 Students should be able to write, evaluate, and interpret numerical expressions having any number of non-nested sets of parentheses, brackets, or braces.
	Level 4 No descriptor.
Evidence Required:	1. The student writes or identifies a numerical expression that records a calculation represented with words. 2. The student interprets numerical expressions in words without evaluating them. 3. The student evaluates numerical expressions with grouping symbols.
Allowable Response Types:	Multiple Choice, single correct response; Equation/Numeric
Allowable Stimulus Materials:	numerical and verbal expressions
Construct-Relevant Vocabulary:	sum, quotient, factor, dividend, divisor
Allowable Tools:	None
Target-Specific Attributes:	Verbal and numeric expressions may contain only non-nested grouping symbols. No negative numbers allowed.
Non-Targeted Constructs:	None
Accessibility Concerns:	Students with dyscalculia may have difficulty with the calculations. Students with visual perceptual disabilities may struggle with answer choices that contain complex number sentences. Students who are visually impaired or blind may need enlarged or brailled text. Students with reading disabilities may struggle with the reading load of word problems. All vocabulary should be at or below grade level to minimize this issue. Students with reading disabilities may need to read the text out loud, or have access to trackers or maskers to follow along. Students with visual processing impairments may benefit from using a tracker or masker when reading. Drag and Drop response types may not be accessible for students who are visually impaired. Consider replacing these response types with multiple choice items for Braille versions. The accommodations listed here are suggestions and could be altered depending on what accommodations will be allowable.
Development Notes:	None

Most terms are used in multiple grade levels. You should look at your grade level and all of the previous grade levels.

- The terms are listed from the first grade level they will show up on the Smarter Balanced assessment. Terms that begin, for example, in grade 3 could show up after grade 3.
- A term that shows up on the Smarter Balanced assessment at a certain grade level may come up in a Common Core standard prior to that grade level.
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Please Note – the grade level indicated is one in which the term can/will appear on items within the interim and summative assessments – this is a shift from our previous MSP/WASL vocabulary lists where the grade indicated that “students should develop an oral understanding of the terms”

Grade	Term
3	Add
3	Area
3	Array
3	Axis
3	Classify
3	Difference
3	Divide
3	Equal areas
3	Equation
3	Expression
3	Factor
3	Grams (g)
3	Identify
3	Kilograms (kg)
3	Length
3	Line plot
3	Liquid volume
3	Liters (L)
3	Mass
3	Minutes
3	Multiply
3	Non--overlapping
3	Number line
3	Overlapping
3	Perimeter
3	Polygon
3	Product
3	Quadrilateral
3	Quotient
3	Rectangle
3	Rhombus

3	Round to the nearest
3	Ruler
3	Scale
3	Scaled bar graph
3	Scaled picture graphs
3	Sort
3	Square
3	Subtract
3	Sum
3	Tiling
3	Unit square
3	Weight
3	>
3	<
3	=
4	Acute angle
4	Angle
4	Area model
4	Composite
4	Conversion
4	Decimal
4	Diagram
4	Digit
4	Distance
4	Dividend
4	Divisor
4	Equal to
4	Equivalent
4	Extend
4	Factor pair
4	Feature
4	Figure
4	Fraction
4	Generate
4	Greater than
4	Greatest

4	Intersect
4	Least
4	Less than
4	Line
4	Line of symmetry
4	Measure
4	Model
4	Multiple
4	Obtuse angle
4	One-degree angle
4	Order
4	Pattern
4	Point
4	Portion
4	Prime
4	Protractor
4	Ray
4	Remainder
4	Represent(s)
4	Right angle
4	Right triangle
4	Rule
4	Shape
4	Straight angle
4	Table
4	Term
4	Two-dimensional
4	Value
4	Vertex
4	Volume
4	Whole
4	Whole number
5	Associative property
5	Braces
5	Brackets
5	Coordinates
5	Cube (shape)

5	Customary
5	Data set
5	Denominators
5	Equivalent fractions
5	Evaluate
5	Expanded form
5	Formula
5	Gaps
5	Interval
5	Line segments
5	Liquid
5	Measurement
5	Metric
5	Mixed numbers
5	Numerators
5	Ordered pairs
5	Parallel
5	Parentheses
5	Perpendicular
5	Property
5	Rectangular prism
5	Relationship
5	Sequence
5	Symmetrical
5	Unit
5	Unit fraction
5	Width
5	Word form
6	Absolute value
6	Algebraic expression
6	Center (pertaining to a data distribution)
6	Coefficient
6	Common factor
6	Common multiple
6	Commutative property
6	Compose
6	Coordinate plane

6	Decompose
6	Dependent variable
6	Distributive property
6	Edge length
6	Greatest common factor
6	Horizontal number line
6	Independent variable
6	Inequality
6	Interquartile range
6	Least common multiple
6	Magnitude
6	Mean
6	Mean absolute deviation
6	Median
6	Negative
6	Nets
6	Numerical expression
6	Opposite
6	Order of operations
6	Per
6	Ratio
6	Relation
6	Relative position
6	Shape (pertaining to statistics)
6	Solution
6	Solution set
6	Spread
6	Substitution
6	Surface area
6	Unit price
6	Unit rate
6	Variability
6	Variable
6	Variation (variability)
6	Vertical number line
6	Vertices
6	Visual fraction model

7	Additive inverse
7	Additive/multiplicative identity
7	Additive/multiplicative inverse
7	Adjacent angles
7	Associative property of addition/multiplication
7	Base of a three-dimensional figure
7	Circle
7	Circumference
7	Commission
7	Commutative property of addition/multiplication
7	Comparative inference
7	Complementary angles
7	Compound event
7	Constant
7	Constant of proportionality
7	Convert
7	Diameter
7	Distributive addition property of multiplication over
7	Expand
7	Fee
7	Form
7	Frequencies
7	Graph
7	Gratuity
7	Inference
7	Integer
7	Linear expression
7	Linear pairs of angles
7	Markdown
7	Markup
7	Negative number
7	Numerical data distribution
7	Outcome
7	Parallelogram
7	Percent decrease
7	Percent error
7	Percent increase
7	Pi

7	Plane
7	Population
7	Positive number
7	Probability model
7	Radius
7	Random sample
7	Range (pertaining to statistics)
7	Rational coefficient
7	Rational number
7	Repeating decimal
7	Representative sample
7	Right prisms
7	Right rectangular prism
7	Right rectangular pyramid
7	Sample
7	Scale drawing
7	Signed number
7	Simple interest
7	Simplify
7	Single event
7	Supplementary angles
7	Tax
7	Terminating decimal
7	Trapezoid
7	Tree diagram
7	Triangle (right, scalene, acute, obtuse, equilateral, isosceles)
7	Unique
7	Validity
7	Vertical angles
8	Angle-angle criterion
8	Base
8	Bivariate measurement data
8	Categorical variables
8	Clustering
8	Cone
8	Congruent
8	Converse
8	Cube root

8	Cylinder
8	Decimal expansion
8	Decimal notation
8	Degree
8	Dilate
8	Dilation
8	Estimate
8	Exponent
8	Exterior angle of triangle
8	Function
8	Height
8	Hypotenuse
8	Input
8	Intersection (pertaining to a system of equations)
8	Irrational number
8	Leg (pertaining to the Pythagorean theorem)
8	Line of best fit
8	Linear
8	Linear association
8	Linear equation
8	Measure of a line segment
8	Measure of an angle
8.	Negative association
8	Nonlinear
8	Nonlinear association
8	Origin
8	Outliers
8	Output
8	Perfect cube
8	Perfect square
8	Positive association
8	Power
8	Proportional relationship
8	Pythagorean theorem
8	Radical
8	Reflect
8	Reflection

8	Relative frequency
8	Rotate
8	Rotation
8	Scatter plot
8	Scientific notation
8	Similar
8	Similar triangles
8	Slope
8	Sphere
8	Square root
8	Standard form
8	System
8	Transformation
8	Translate
8	Translation
8	Transversal
8	Two-way table
8	X-coordinate
8	Y-coordinate
8	Y-intercept
HS	AA
HS	AAS
HS	Absolute value function
HS	Angle terminology (alternate interior, exterior, pair, etc.)
HS	Arithmetic sequence
HS	ASA
HS	Average rate of change
HS	Axis of symmetry
HS	Axis scale
HS	Bisect
HS	Binomial
HS	Box plot
HS	Closed half-plane
HS	Completing the square
HS	Complex number
HS	Corresponding
HS	Cubic units

HS	Decreasing interval
HS	Diagonal
HS	Difference of cubes
HS	Difference of squares
HS	Distribute
HS	Domain
HS	Dot plot
HS	End behavior of a graph
HS	Explicit form
HS	Explicit formula
HS	Explicit function
HS	Exponential
HS	Exponential function
HS	Extraneous solution
HS	Factored form
HS	Factoring
HS	Geometric sequence
HS	Half-plane
HS	Histogram
HS	i
HS	Increasing interval
HS	Labels
HS	Like terms
HS	Limit
HS	Linear inequality
HS	Logarithmic
HS	Logarithmic function
HS	Maximum
HS	Midpoint
HS	Minimum
HS	Monomial
HS	Normal
HS	Open half-plane
HS	Periodicity
HS	Polynomial
HS	Polynomial function
HS	Quadratic

HS	Quadratic equation
HS	Quadratic expression
HS	Quadratic formula
HS	Radical exponent
HS	Range (pertaining to functions)
HS	Rational
HS	Rational exponent
HS	Rational function
HS	Real number
HS	Recursive form
HS	Recursive formula
HS	Recursive function
HS	Recursive process
HS	Relative maximum
HS	Relative minimum
HS	Skewed
HS	Solve
HS	Square units
HS	Squared term
HS	SAS
HS	SSS
HS	Standard deviation
HS	Sum of cubes
HS	System of equations
HS	System of inequalities
HS	Trinomial
HS	Uniform
HS	Unit conversion
HS	X-intercept
HS	Zero (of a function)