



Mathematics Vocabulary List

Introduction

The GAA 2.0 Extended Content Standards articulate what students with significant cognitive disabilities know and should be able to do at the end of a grade or course. Content-level vocabulary lists have been compiled, in collaboration with Georgia educators, after reviewing the Extended Content Standards to which the GAA 2.0 assessment tasks are aligned. Educators should ensure their students are familiar with the terms found in the vocabulary list as these instructional terms *may also* be found on the GAA 2.0 assessment. The vocabulary list should not be used in isolation but as a resource to support classroom instruction.

Purpose

The vocabulary list is not task specific. It is a resource to help teachers introduce students to the language used in the extended standards that *may also* appear in the assessment.

Educators created a list of content-specific words to supplement the language of the standards that may need to be introduced, reviewed, or practiced with the student prior to testing. Additionally, terms/phrases such as 'complete this sentence', or 'show me', are included to help students access the directions or questions within an assessment task.

The vocabulary list is not an exhaustive list of terms that should be taught. This is a limited list of additional words that can be used when teaching and assessing the material found in the Extended Content Standards. Proper nouns that are already included in the language of the extended standards are not reflected in the vocabulary lists.

The vocabulary list can also be used to help guide the selection of words for use with an AAC/AT device, aid in the creation of word banks, assist in the preparation of tactile adaptations for instruction, etc. Sign interpreters may use the vocabulary list to review technical vocabulary in advance of testing to ensure consistency in delivery between instruction and assessment.

Grade 3

addition/add/sum	mass	quotient
area	measure	quarters
array	measurement	repeated addition
combine	milliliters	represent
compare	model	round
describe	more than	same
difference	multiplication/multiply	sides
different	number line	"show me"
division/divide (into parts)	number sentence	solve
equal	numbers	subtraction/minus/take away
equation	numerals	tens
expression	ones	tiling
fraction	place value	times
hundreds	polygon	unit fraction
length	product	volume
less than	quadrilaterals	whole
liters		

Grade 4

acute angle	hundreds	parallel
addition/add/sum	intersect/cross	pattern/repeating pattern
area	length	perimeter
base ten	less than	perpendicular
compare	line	ray
decimal	line segment	repeated addition
degrees (as relates to angles)	measurement	represents/represented
denominator	measures	right angle
describe	model	same
different	more than	"show me"
distance (relates to perimeter)	multiplication/multiply	solve
division/divide (into parts)	number line	subtraction/minus/take away
equal	number sentence	tens
equal to	numbers	thousands
equation	numerals	unit
equivalent	numerator	visual model
expanded form	obtuse angle	whole
expression	ones	width
greater than		

Grade 5

acute angle	dividend	origin
addend	division	output
addition	divisor	overlaps/overlap
amount	end point	parallel
angle	equal	parallelogram
apply	equation	perpendicular
area	equivalent	plane
array	expanded form	point
associative	exponent	power
axis/axes	expression	properties
base	extend	quotient
base ten	fraction	recognize
calculate	gaps	rectangular prism
capacity	graph	relationship
centimeter	greater than	relevant
circle	height	remainder
closed	horizontal	“show me”
common	hundredths	square unit
common factor	input	symbol
common multiple	input-output table	thousandths
compare	interpret	three-dimensional
cube	intersection	unit cubes
data	interval	unit fraction
decimal	length	value
decimal place	less than	variable
demonstrate	line plot	vertical
denominator	mixed numbers	volume
difference	multiples	whole number
digit	multiplication	x-axis
dimension	number line	x-coordinate
display	numerator	y-axis
distributive	ordered pair	y-coordinate
divide		

Grade 6

add	how many	pyramid
addition	how much	quantity
amount	identify	range
appropriate	in all	ratio
area	inch	rational number
attribute	increase	rectangle
calculate	indicate	rectangular prism
common factor	integer	relationship
common multiple	interpret	repeated addition
compose	least	represent
construct	least common multiple (LCM)	right triangle
convert	length	set
count	less than	"show me"
cube	manipulative	sign
data	match	situation
data display	mean	size
data points	median	solve
denominator	minus	square
divided	model	square unit
division	multiple	subtract
dot plot	multiplication	subtraction
equal	multiply	surface area
equally	negative number	symbol
equation	net	take away
example	number	three-dimensional
express	number line	total
expression	numeral	triangle
factor	numerator	two-dimensional
figure	numerical	unit
find	object	unknown
form	operation	value
formula	ordered set	variable
fraction	parentheses	various
fraction bar	part	vertical axis
given number	pattern	vertical number line
graph	plot	whole
greatest	plus	width
greatest common factor (GCF)	point	word problem
histogram	polygon	x-axis
horizontal	positive number	y-axis
horizontal axis	proportion	zero
horizontal number line	proportional relationship	

Grade 7

area	greatest	pyramid
associative property	greatest common factor	quantity
axis	height	rate
bar graph	horizontal	ratio
base	how many	rational number
coefficient	how much	rectangular prism
commutative property	identify	relationship
compare	in all	represent
cone	increase	sample
construct	inference	sample population
coordinate plane	integer	"show me"
cross section	inverse	side
cube	least	slice
cubed	length	sphere
cubic	less than	square unit
cut	line graph	statistical question
cylinder	line plot	sum
data	linear	surface area
dimension	linear expression	table
distributive property	multiply	three-dimensional figure
divided	negative number	two-dimensional figure
division	number line	unit
dot plot	opposite	unit rate
double bar graph	ordered pair	unknown
equal	parentheses	valid
equation	plane	variable
equivalent	population	vertical
expression	positive number	vertical axis
face	prism	volume
factor	proportion	whole number
formula	proportional relationship	width
graph		

Grade 8

area	line segment	rational number
bar (division/fraction bar)	linear	reflection/flip
clockwise	linear association	relation
congruent	linear equation	relationship
coordinate	linear function	repeating decimal
coordinate plane	model	rewrite (simplify)
corresponding	negative	rotation/turn
corresponding parts	negative association	scatter plot
counter-clockwise	no association	"show me"
data	non-linear	sides
decimal	number line	solve
decrease	number	sphere
equation	sentence/equation/function	square root
estimate	ordered pairs	square unit
exponent	output	straight line
expression	parallel lines	substitute
figure	pattern	terminate
function	perfect square	terminating decimal
greatest	plot	three-dimensional
increase	points	transformation
inequality	positive association	translation/slide
input	power	two-dimensional
intersect	predict	unit
intersecting lines	prime (a' b')	unit square
irrational number		unknown
least		variable
line of best fit		

High School

association	linear	similar
cone	maximum	solution
congruent	minimum	solve
coordinate	model	sphere
corresponding	non-linear	square root
cubic/cubed	number line	square unit
cylinder	ordered pairs	straight line
data	pattern	system of linear equations
decrease	perfect square	three-dimensional
equation	plot	transformation
expression	points	two-dimensional
figure	power	unit
height	predicts	unknown
identical	proportional	variable
increase	pyramid	volume
inequality	relation	x-axis
intersect	relationship	x-intercept
intersecting lines	rewrite (simplify)	y-axis
less than	scatter plot	y-intercept
line of best fit	“show me”	
	sides	