

## MATH VOCABULARY: Grades 3-8

At each of these grade cycles, the following terms should be part of the students' working vocabularies. Source of the lists of words: ISBE. For more math resources from ISBE, go to ISBE.net.

Students can sort these words into categories such as "operations" words and "size and shape" words. They also can use them as a check-list for their own math glossaries.

### By Third Grade

12 inches = 1 foot	cylinder	hundred	non-standard unit	product	standard unit
12 months = 1 year	decimal	impossible	number cube	pyramid	steps
2-dimensional	diameter	inch (in.)	number line	quadrilateral	subtraction (-)
3 feet = 1 yard	difference	is equal to (=)	number pair	quart	sum
365 days = 1 year	digit	kilogram (kg)	number	quarter	survey
366 days = 1 year	distance	is greater than (>)	pattern	quotient	symbol
leap year	divisible	is less than (<)	number	radius/radii	symmetry/symmetrical
3-dimensional	division (+, /, fraction bar)	is not equal to (≠)	number	ray	table
52 weeks = 1 year	dollars (\$)	kilometer (km)	sentence	reasonable	tally
7 days = 1 week	dozen	label	octagon	rectangle	tally chart
a.m.	drawn to scale	least	odd/odd	rectangular	temperature
abbreviations for days and months	edge/edges	least likely	number	prism	thousand
about	equal	length	operation	rectangular	time
above	equation	less than	order	pyramid	ton
addends	estimate/estimation	likely	ordered pair	represents	total
addition (+)	even/even number	line	(x, y)	results	trapezoid
angle	face/faces	line graph	ordinal	rhombus	triangle
area	factor	line of symmetry	numbers	right angle	triangular prism
average	farthest	line segment	ounce (oz)	round down	triangular pyramid
bar graph	figure	long	p.m.	round up	true
below	flips	mass	pair	same	turns
between	adds	measure	parallel	scale	twice
capacity	addition (+)	measurement	parallelogram	scale of	unit
cardinal numbers	angle	meter (m)	pattern	numbers	unknown
centimeter (cm)	area	metric	pentagon	second	unlikely
cents (50¢ or \$0.50)	average	mile (mi)	perimeter	segment	value
change	bar graph	milligram (mg)	pictograph	set	variable
chart	below	milliliter (mL)	pie graph	shape	Venn diagram
circle	between	millimeter (mm)	pint	side/sides	vertex/vertices
circle graph	capacity	minus	place value	similar	vertical
cone	cardinal numbers	month	plane figure	single	volume
congruent	centimeter (cm)	more than	plus	size	week (wk)
coordinates	cents (50¢ or \$0.50)	most	point	solid figure	weight
corner	change	most likely	point	solve	wide
cube	chart	multiply/multiplication	polygon	spent	width
cup	circle	(X)	possible	sphere	yard (yd)
	circle graph	nickel	pound (lb and #)	spinner	
	cone		prediction	square	
	congruent		prism	square	
	coordinates		probability	centimeters	
	corner		probable	square	
	cube		probably	pyramid	
	cup		problem solving		

**By Fifth Grade**

acute angle	least common multiple
angle	liter (L)
approximately	lowest terms
arc	mean (arithmetic average)
base	median
bisect	midpoint
characteristic	miles per hour (mph)
chord	mode
circumference	multiple
column	multiply/multiplication (* or •)
combination	nonagon
composite number	<i>n</i> th term
congruent symbols in	obtuse angle
coordinate graph	order of operations
correspond	per
cubic units (3)	percent (%)
data	perpendicular
decimeter	pint (pt)
degrees (°)	polygons
degrees Celsius (°C)	portion
degrees Fahrenheit (°F)	prime number
diagonals	proportion
diagram	quart (qt)
dimensions	quotient
dividend	random
divisor	range
elapsed time	ratio (":" or "to")
equilateral triangle	reflections
exactly	regular polygon
expression	right angle symbol
gallon (gal)	right triangle
greatest common factor	rotations
heptagon	row
intersect	scale drawing
intersecting lines	scalene triangle
irregular polygon	sequence
is approximately equal to ( $\approx$ )	slides
is congruent to ( $\cong$ )	square units (2)
is parallel to ( $\parallel$ )	stem-and-leaf plot
is perpendicular to ( $\perp$ )	time zone
is similar to ( $\sim$ )	ton (t)
isosceles triangle	triangle ( $\Delta$ )
	value of

**By Eighth Grade**

adjacent	measure of angle
alternate exterior angles	minimum
alternate interior angles	odds
altitude	permutation
approximate	principle
ascend/ascending order	proportionally
axes	Pythagorean Theorem
commission	quadrants
complementary	radical
compound inequality	random
consecutive	rate
convert	real number
corresponding angles	satisfy
decagon	scattergram
descend/descending order	semi-circle
discount	sequence
distinct	simple interest
divisibility	skew
domain	square root
down payment	supplementary
earns	surface area
factorial	transversal
foot (ft or ')	vertical angles
function	x-axis
fundamental counting	y-axis
girth	
hypotenuse	
inch (in. or ")	
independent	
inequality	
is greater than or equal to ( $\geq$ )	
is less than or equal to ( $\leq$ )	
maximum	