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Grade 3

$ in front of dollar amount	greater than	place value
a.m/p.m. *(time of day)*	greatest	product
add(s)	growing number pattern	quadrilateral
area	hour	quotient
array	in all	rectangle
bar graph	inch(es)	rectangular
block(s) *(as distance unit)*	input/output table *(input-output table)*	related to
centimeters (cm)	key *(e.g. x = running allowed or |--| = 1 unit*	rhombus
closest to	kilograms (kg)	round/rounds to
column	least	rounded
create *(write)*	least/greatest possible	row
data	less than	shape
denominator	line plot	sixths
difference	liters (l)	solve/solved
digit	make equation true	square
divide/divided	mile(s)	square centimeters (cm2)
double	minute	square units
DVD	model *(picture or diagram)*	steps *(in solving problem)*
eighths	model *(represent)*	subtract(s)
equal areas	more than/less than enough	symbol (<, >, or =)
equals/equal to	multiple	table (chart)
equation(s)	multiply	table (multiplication or addition)
equivalent fractions	nearest ten; nearest hundred	time
estimate	number	time intervals
even number	number line	total of
exact number	number sentence	triangle
expression	numerator	unit(s)
factor	odd number	use of ( ) in simplifying an expression
feet	pattern	using a given letter (variable) in creating an equation
fourths	pennies	whole number
fraction	perimeter	
fractional part of	picture graph	
grams (g)		
graph *(bar graph)*		

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Grade 4

$ in front of dollar amount	hundred	rectangle
<, >, and = *(know the symbols)*	hundreds	rectangular
$90^\circ = \frac{1}{4}$ of a circle	in all	remainder
about *(estimation)*	inch(es) (in)	right angle (⌞) (90°)
acute angle	intersect	right triangle
acute triangle	intersecting	rounded to
angle	kilometer (km)	row
area	least	rule for/rule describes
array	less than	seconds
base-10 blocks/base-ten blocks	line of symmetry	set/set of
centimeter	line plot	shape
column	meter (m)	smallest to largest/least to greatest
common denominator	minute(s)	square feet, centimeters, inches, ...
create *(write)*	model *(represent)*	standard form
degree *(angle measure)*	model *(picture/diagram)*	straight angle (180°)
denominator	multiples of	sum
difference	nearest hundred	table *(data)*
digit	nearest ten	ten
equal(s)	nearest thousand	tens
equation	number	thousand
equivalent	number line	thousands
equivalent equation	numerator	times as many/as much
equivalent fraction	obtuse angle	times more than
estimate	ones	true statement
expanded form	parallel	twice
expression	pattern	units
factor(s)/factor of	perimeter	value of
feet (ft)	perpendicular	value of vs place value *(8 in 86 has value of 80 but in the tens place)*
fewest	place value	whole number
figure *(diagram)*	product	word form
grams (g)	properties of *(geometric)*	
greater than	protractor	
greatest	quadrilateral	
hour(s)	quotient	
how much more than…	reasonable estimate	

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Grade 5

(x, y)	foot	quadrilateral
|---| = 1 inch (reading keys)	fraction bar as	quart
<, >, and =	ft^3 (cubic feet)	quotient
(understand the symbols)	gallon	rectangle
a.m. and p.m. *(time usage)*	gram	rectangular prism
acute angle	graph *(bar graph, etc)*	represents/represented by
acute triangle	graph *(coordinate grid)*	rhombus
angle	greater than	right angle (⌞) (90°)
area	grid	right triangle
array	height	scalene triangle
average	hour	second
calculate	hundredths	solution to/evaluate *(meaning to simplify an expression)*
centimeter	inch	square (shape)
centimeter	interval	square/square units (*ft^2, cm^2, kg^2, etc*)
closest answer to/reasonable amount of *(using estimations to approximate the answer)*	isosceles triangle	standard form
	kilogram	straight angle
	kilometer	sum
common denominator	length	table *(input/output tables aka x|y tables)*
congruent	less than	ten times the amount/value of
convert	line of symmetry	tenths
coordinate grid	line plot	thousandths
coordinate pair	line segment	trapezoid
coordinate system	liter	use of a variable in an equation for an unknown quantity
coordinates (x, y)	meter	v = b x h (*understand the b represents the area of the base (l x w)*)
cubic/cubic units (ft, cm, kg, etc)	mile	v= l × w × h
cup	milliliter (ml)	value
digit	millimeter (mm)	value of (*simplify expression*)
end points	minute	verbal expression
equal	multiple(s)	volume
equals/equal to/equivalent	number line	width
equivalent expression	numerator	word form
equilateral triangle	obtuse angle	x less than y meaning y - x
equivalent	obtuse triangle	x-value *(on coordinate grid)*
estimate/reasonable	ordered pair(s) *(x, y)*	yard
estimate/best estimate	ounce	y-value *(on coordinate grid)*
evaluate *(to simplify an expression)*	parallel	
	parallelogram	
expanded form	parentheses	
expanded form using powers of ten *($136 = 1 \times 10^2 + 3 \times 10^1 + 6 \times 10^0$)*	pattern	
	perpendicular	
	pint	
exponent	pound	
expression vs equation	powers of ten 10^1 , 10^2, 10^3 ...	
factor(s)	product	

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Grade 6

|x| symbol for absolute value	exponent(s)	positive integer
<, > , =, ≤, ≥, ≠	expression vs equation	pounds to kilograms (*1 lbs = about 2.2 kg*)
3-dimensional	face	prism
a ·b , a(b) , and ab *representing multiplication*	factor	pyramid
about how many/much… (*estimate*)	formula	quantity
absolute value	graph	range
absolute value |x|	graphing inequalities on number line (*use of open circle vs closed circle (endpoint))*	rate
algebraic expression	greatest comparison (*comparing data*)	ratio
base (***Base***^{exponent} ***3***^{4})	greatest common factor (GCF)	ratio table
base (*of 3-D figure*)	grid	rectangular prism
best estimate	histogram	relate a table and a graph to the same given context
box plot	inequality	relationship between *x* and *y* (*what is the "rule")*
Celsius	input/output table	scale (*ratio between two measures*)
circle graph/pie chart	integer	scatter plot
coefficient	intersect/intersecting	set of data/data set
common factor	least common multiple (LCM)	solution
common multiple	line plot	sphere
comparison	mean	term (as part of an expression)
cone	measure of center	**to** and **:** *representing ratio*
coordinate plane/coordinate grid	median	trapezoid
coordinates	miles and kilometers (*1 mile being about 1.6 km*)	unit price (*price per…)*
cubic measure (*e.g. 4 in*^{3})	mode	unit rate
cylinder	model (*diagram or picture*)	V = B · h (*B is area of base (lw))*
data	model (*represents*)	value of (*simplifying an expression*)
data set	multiple	variation/variability/measure of variation
digit	negative	vertices
edge	net	*x*|*y* table
equivalent expression(s)	odometer	
evaluate (*to simplify*)	ordered pair (x, y)	
evaluate (*to substitute in a value for a variable and then simplify*)	percent	
	polyhedron	

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Grade 7

<, > , =, ≤, ≥, ≠	evaluate (*substitute in & then simplify*)	proportional
$8.3\overline{4}$ (*bar over a digit(s) means it repeats*)	evaluate (*to simplify*)	proportional relationship
absolute value	experimental probability	radius
absolute value symbol |x|	find the value of (*to simplify*)	randomly
acre	in relation to (*indicating creating an equation*)	range
additive inverse	inequality	rate
adjacent angles	integer	rate of descent/ascent
and & or (*use in probability*)	likelihood (chance)	ratio
approximate	mean	reduce (*to make smaller*)
chance	median	repeating decimal
circle graph/pie chart	mixed number (*decimal form*)	sale price
circumference	mode	scale
combined	model(s) (*picture/diagram*)	scale drawing
complimentary angles	model (*represents*)	scale factor
conditions (*as in have/meet the following specifications*)	negative integer	slope/rate of change
constant (*as a number on its own as part of an expression*)	nonequivalent	solution
constant of proportionality (k)	nonproportional	solution set
constant rate of change	numerator	supplementary angles
convert	opposites	surface area
create (write)	origin	symbol for angle ∠K
cube	original price	table (ratio, x|y, input-output)
cubic units (ft^3, in^3, cm^3, …)	oz. for ounce	tax
degree (*as angle measure*)	parallelogram	terminating decimal
degree (*as temperature*)	percentage	theoretical probability
denominator	percentage of error	tip
diameter	percentage of markup	triangular prism
dimensions	perimeter	undefined/undefined value
discount	pi	unit rate
discounted	positive integer	vertical angles
equivalent expression	predicted	with/without replacement (*probability*)
equation vs expression	probability	zero value
	proportion	

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Grade 8

$5.\overline{23}$ (*repeating decimal notation*)	dimensions	reflect/reflect over
$\overline{AB}$ (*symbol for line segment*)	discrete data	reflection
√ square root symbol	domain (*of a relation*)	relation
$\sqrt[3]{}$ cube root symbol	function	relative frequency
∠A angle symbol	hypotenuse	repeating decimal
⊥ symbol for perpendicular lines	intersection	right triangle
angle	irrational number	rotation
association	leg	scatter plot
average rate/average flow (*indicating rate of change/ slope*)	line segment	scientific notation
base (*a dimension in a 2-D figure*)	linear equation	similar
base (*as the base (area of) in a three-dimensional figure*)	linear function	slope/rate of change
base (*in a power*)	linear graph	solution
coefficient	linear pattern	sphere
cone	linear relationship	standard form
congruent	negative correlation	symbols used in transformations (*e.g. A, B, C, --> A', B', C' and (x, y) --> (-y,x))*
consecutive	negative exponents	system of equations/system
constant (*as a number on its own as part of an expression*)	nonlinear	table, graph, and equation representations of same contextual situation
constant rate	ordered pair	term (*as part of an expression*)
coordinate plane/coordinate grid/grid	origin	terminating decimal
correlation	parallel	transformation/transformed
counterclockwise	perfect cube	translation
cubic	perfect square	trend
cylinder	polygon	trend line/line of best fit
cylindrical	positive correlation	two-way table/two-way frequency table
decimal notation	power	variable(s)
diagonal	prism	vertex
diameter	proportion	volume
dilate/dilated	Pythagorean Theorem	x-axis
dilation	quadrant	x-intercept
	qualitative graphs	y-axis
	radical	y-intercept
	radius	
	random survey	
	range (*of a relation)*	
	rate	
	ratio	
	rational number	