Math Vocabulary PK - 3

Word	Definition	PK	K	1	2	3
above	Over	G.1	G.1			
add(ition)	To join two or more numbers to get one number	OA.1	OA.1&2	OA	OA 1-4	NBT.2
addend(s)	A number being added to another number		OA.1&2	OA	OA.1-4	NBT.2
after	Following		CC.1	NBT.1		
algorithm	A step by step problem solving procedure for solving math problems					NBT.2
altogether	A step by step problem solving procedure for solving math problems		OA	OA	OA.1	OA NBT
a.m.	The time between midnight and 12 noon				M.D. 7	MD.1
analog clock	A clock that is not digital				MD.7	MD.1
angle	Two lines that meet at a common point				G.1	G.1
area	The measure of the number of unit squares needed to cover the surface of a two dimensional figure					MD.5-7
area model	A model for multiplication problems, in which the length and width of a rectangle represents the factors					MD.5-7
Associative Property of Multiplication	Grouping the factors in different ways does not change the product					OA.5
attribute	A characteristic of an object such as color, shape, size, number of sides, angles, etc.		G.1	G	G.1	G.1
array (row, column)	An arrangement of objects in equal rows and equal columns		CC.5		OA. 4 & G.2	OA.3
axis	The vertical or horizontal scale on a graph				MD.10	MD.3
backward				NBT.1		
bar graph	A graph that uses height or length of rectangles to compare data			MD.4	MD.10	MD.3
base ten blocks (flat, rod, unit)	A mathematical manipulative used by students to learn basic mathematical concepts including addition, subtraction, number sense, **place value** and counting		NBT.1	NBT	NBT.1	
behind	Toward the back of something	G.1	G.1			
before	The position right ahead of a number when counting		G.1 & CC.1	NBT.1		

Term	Definition						
benchmark fraction	Common fractions that you can judge other fractions against ¼, ½, ¾						NF
beside	At the side of; next to		G.1				
below	Beneath at a point or position lower or further down		G.1				
between	In or along the space separating two objects		CC.1	NBT.1			
big, bigger, biggest	Large in size	MD.1	MD.2				
bottom	The lowest point	G.1					
bundle	To regroup 10 ones into 1 ten or 10 tens into 1 hundred, etc...			NBT.2	NBT.1		
capacity	The amount a container can hold when filled						MD.2
category(ies)	Collection(s) of things sharing a common attribute		MD.3	X			
centimeter	A metric unit of length. 100cm = 1 meter.				MD.1-3		
cent(s)	A unit of money a penny is one cent or 1 ¢. 100 cents = one dollar.			MD.3	MD.8		
circle, half circle(gr.1&2), quarter circle(gr.1&2)	A figure with no sides and no vertices.	CC.4	G.1-2	G.2	G.1, 3		
classify	To sort into categories or arrange into groups by attributes.		X	G.1	G.1		
coins	A flat piece of metal used as money			X	MD.8		
Commutative Property	Changing the order of the addends or factors does not change the sum or product.			X	OA.1&2	OA.5	
compare	To decide if one number is greater than, less than, or equal to another		MD.2	MD.1, NBT.3	NBT.4	NF.3	
compose	To put together basic elements		OA.3	X	OA.1	OA.3	
congruent	Having the same size and same shape						G.d
column	In reference to a rectangular array		CC.1	X	OA.4	OA.3	
cone	A geometric solid with a circular base and curved surface that meets at a point	G.3	G	G.2	G.1		
count, count on/back	To say numbers in sequential order, a way to add or subtract		CC.2				
cube	A solid figure with six square faces	G.2	G	G.1	G.1		
cubic unit	Units used for measuring volume						MD.2
Customary system	A system of measurement used in the USA				MD.1-3		
cylinder	A geometric solid with 2 curved bases and a curved flat surface		G	G.2	G.1		
data	A collection of information				MD	MD.9-10	MD.3

Term	Definition					
decagon	A polygon with 10 sides and 10 angles					MD.8
decimal point	A symbol used to separate whole numbers from fractional parts (dollars and cents)				MD.8	
decompose	To separate into basic elements		OA	OA	OA.1	OA & NBT
denominator	The bottom number in a fraction that shows the total number of equal parts of in a whole					NF
difference	The result/answer when one number is subtracted from another		OA	OA	OA.1-3	NBT.2
different	How two or more objects are not the same	G.3				
digit(s)	Any of the symbols 0, 1, 2, 3, 4, 5 ,6, 7, 8, 9			NBT	NBT.1, 4	
digital	A way of showing time with the hours and minutes separated by a colon				MD.7	
dime	A coin worth ten cents			MD.3	MD.8	
distributive Property	For all real numbers a, b, and c ax(b+c)=axb + axc					OA.5
divide	To separate into equal groups, opposite of multiplication					OA
dividend	The larger number that is going to be divided into smaller equal groups by the divisor					OA
division	The process of dividing – separating into equal parts					OA
divisor	The number that divides the dividend					OA
dollar (bill, coin, & symbol ($))	An amount of money equal to 100 cents				MD.8	
double(s)	Addition facts with two addends that are the same			OA	OA.1-3	
down		G.1				
edge(s)	The place where two flat surfaces of a solid figure meet		X	X	G.1	
eighth	One of 8 equal parts of a whole					NF
elapsed time	Time spent while an event is occurring					MD.1
empty	Containing nothing	MD.1				
equal(s), (symbol (=))	Having the same amount, size, number, or value	MD.2 CC.5	OA	OA	OA.1-4, NBT.5-9	
equal parts/shares	Parts that have the same space or value			G.2-3	G.2-3	G.2
equal groups	Groups that have the same number of objects					OA.3
equation(s)	A number sentence with an equal sign. The amount on side of the equal sign has the same value as the amount on the other side		OA	OA	OA.1-4, NBT.5-8	OA & NBT

Term	Definition						
equivalent	Having the same value					OA.1-2	NF.3
equivalent fractions	Fractions that name the same part or amount						NF.3
estimate	A number close to an exact amount, tells *about* how much or *about* how many					MD.3	MD.2
even	A number that has two equal parts. Any number with 0, 2, 4, 6, or 8 in the ones place					OA.3	
expanded form	A way to write numbers that shows the place value for each digit					NBT.3	NBT.1
faces	A flat surface on a solid figure			G	G.1	G.1	
fact family	A set of related equations- addition and subtraction or multiplication and division				OA.1	OA.2, NBT.5-9	OA
factor(s)	A number multiplied by another number to find a product					OA.4	OA
few, fewer(gr.1,2)	Of a smaller number	CC.5	CC.6	OA	OA.1		
first	Before all others in order	CC.5	CC.4				
flat (2 dimensional shapes)	Having only height and width		G				
foot	A customary unit of length equal to twelve inches					MD.1-4	
forward	In front of		CC.2				
fourth(s)	The parts you get when you divide something into four equal parts					G.3	NF
fraction	A way to describe a part of a whole					G.3	NF
fractional unit	Pieces of the whole that are the same size						NF G.2
full	Completely filled	MD.1					
geometric solids/shapes	A three dimensional figure that length, width, and height					G.1	G.1
gram	A metric unit used to measure mass						MD.2
greater than	Words used to compare two numbers when the first number is larger than the second number	CC.5	MD.2	MD.1		NBT.4	NF.3d
greatest	Greater than the rest				MD.1		
half/halves	The parts you get when you divide something into two equal parts					G.3	NF G.2
half dollar	A coin equal to fifty cents					MD.8	
half hour	A unit of time equal to thirty minutes				MD.3	MD.7	MD.1

Term	Definition					
half way	With reference to a number line – the midpoint between two numbers					MD NF
heavy/ heavier than	Having a weight that is greater than that of another object	MD.1	MD.2			
heptagon	A polygon with 7 sides and 7 angles					MD.8
hexagon	A figure with six straight sides		G		G.1	MD.8
horizontal	Extending left and right				OA.1,4 NBT.6, 7,9	MD.3
hour	A unit of time equal to sixty minutes			MD.3	MD.7	MD.1
hour hand	A short hand on the clock			MD.3	MD.7	
how many			OA.2			
hundred chart	Is a graphic organizer for the numbers 1 – 100		CC.1			
in all	Clue words telling you to add or multiply			OA	OA.1	X
inch	A customary unit of length. 12 inches = 1 foot.				MD.1-4	MD.4
inequality						X
interval						X
in front of	A position that is most forward, directly ahead	G.1	G.1			
join	In word problems - add			OA	OA.1	OA.8
key	A part on a graph or chart that tells what each picture on a picture graph represents				MD.10	MD.3
kilogram	A metric unit used to measure mass					MD.2
last	Coming after all others	CC.6	CC.4			
least	Smallest in amount			NBT		
length	How long something is, the distance from one point to another	MD.1	MD.1		MD.1-4	MD.4
less			MD.1,2			
less than	Words used to compare two numbers when the first number is smaller than the second number	MD.2 CC.5	CC.6,7	NBT.3, 1	NBT.4	NF.3d
light / lighter than	Having a weight that is less than that of another object	MD.1	MD.2			
line of symmetry	A line that divides a figure in two equal parts			G.3		
line plot	A diagram showing data on a number line				MD.10	MD.4
liquid volume	The measurement of liquids or their containers					MD.2
liter	A metric unit used to measure capacity					MD.2

Term	Definition					
long, longer, longest	Measuring a great distance from end to end	MD.1	MD.2	MD.2		
match	Pairing two objects together	CC.5				
measure	To find size, length, or amount of something		MD	MD.2	MD.1-4,9	MD.2
mental math	Adding, subtracting, multiplying, or dividing with thinking only; without the use of mauipulatives or paper and pencil			X	OA.2, NBT.8	X
meter	A metric unit used to measure length or distance				MD. 1-4	
meter stick	A tool used for measuring centimeters and meters				MD.1-4	
metric system	A system of measurement used worldwide				MD.1-4	MD NF
minus, minus symbol/sign	To subtract, the symbol for subtraction		OA	OA	OA.1,2 NBT.7, 8	
minute	A unit for measuring time 60 minutes = 1 hour			MD.3	MD.7	MD.1
minute hand	The long hand on a clock			MD.3	MD.7	
missing part				OA	OA.1	
money	Coins and bills used to pay for things			X	MD.8	
more	Greater amount, number, object	CC.5	MD.1,2	OA		
multiplication/multiply	Combining of equal groups, the opposite of division				OA.4	OA
near double	Doubles plus 1 more (ex. 6+6=12 so 6+7= 6+6+1 = 13)			OA	OA.2, NBT.9	
next to	Nearest to position	G.1	G.1			
nickel	A coin worth 5 cents			MD.3	MD.8	
nonagon	A polygon with nine sides and nine angles					MD.8
non-unit fraction	Fractions with numerators other than one					NF
number line	A line in which all points correspond to a number		CC.2,3		MD.6	MD.1
numerator	The top number of a fraction that represents a portion or part of the denominator					NF
number	A number indicates how many or how much	CC.1-6				
o'clock	Used to specify the hour in telling time			MD.3	MD.7	MD.1
octagon	A polygon with 8 sides and 8 angles					MD.8
odd	A whole number that has 1, 3, 5, 7, or 9 in the ones place				OA.3	

ones	In a multi-digit whole number, the digit on the far right			NBT	NBT.1, 3	
ones place			NBT.1		NBT.1	
operation(s)	Mathematical action performed on numbers to produce a result Ex. Addition, subtraction, square root			X	OA.1-4, NBT.5-9	OA.8
order	Things following one after another	CC.3 CC.6		NBT		
ordinal numbers (gr K-first –tenth)	Any of the numbers that express position in a series first, second, third		CC.4d			
over	Above	G.1				
p.m.	The time between noon and 12 midnight				MD.7	MD.1
parallel lines	Lines in the same plane that never intersect and are always the same distance apart				G.1	G.1
parallelogram	A quadrilateral whose opposite sides are parallel and congruent				G.1	G.1
part	An addend, placement of an addend on a part-part-whole mat		OA	OA	OA.1-3	
parentheses	The symbols used to show which operations in an expression should be done first					OA.5
partition	Divide the whole into equal parts					G.2
pattern	A repeated, growing sequence according to a rule	OA.2	CC.1	NBT	NBT.2, 8	OA.9
penny	A coin worth 1 cent			MD.3	MD.8	
pentagon	A polygon with 5 sides and 5 angles				G.1	MD.8
perimeter	The distance around a closed figure					MD.8
picture graph	A graph that displays countable data with symbols or pictures			MD.4	MD.10	MD.3
place value	The value of each digit in a number based on the location of a digit				NBT. 1-9	NBT.1
plane	A flat surface that extends without end in all directions					MD.5
plot	To locate and label on a number line			X	MD.10	MD.1
plus	To add		OA	OA	OA.1-4, NBT.5-8	
point	An exact location					MD.1 NF
polygon	A closed plane figure formed by three or more line segments Ex. Triangle, square, rectangle					MD.8

Term	Definition					
product	The answer to a multiplication problem					OA
pyramid	A solid figure with a polygon base and all other faces are triangles that meet at a common vertex				G.1	
quadrilateral	A polygon with 4 sides and 4 angles					G.1
quantity	Certain number or amount of something					NF.1
quarter	A coin worth 25 cents			MD.3, G.2	MD.8	
quarter of	¼ of something				G.3	
quarter hour	15 minutes, ¼ of an hour				MD.7	
quotient	The solution to a division problem					OA
reasonableness	Validating a solution by comparing it to an estimated result					OA.8
repeated addition	An addition equation where all the addends are the same				OA.4	OA
rectangle	A parallelogram with 4 sides and all right angles	G.2	G	G.2	G.1	G.1
rectangular prism	A three-dimensional figure where all 6 sides are rectangles	G.2		G.2		
related facts	A set of related number sentences (7 x 4 = 28; 28 / 7 = 4)			OA	OA.1-3	OA
rename/regroup	To exchange amounts of equal value to rename a number				OA.1, NBT.5-8	NBT.2
rhombus	A parallelogram with 4 congruent sides	G.2			G.1	G.1
right angle	An angle that forms a square corner and measures 90 degrees					G.1
Rectangular array	Organize objects in a rectangular shape	CC.4				
round(ing)	To replace a number with one that is approximately the same size					NBT.1
row	In reference to a rectangular array		CC.5	X	OA.4, MD.10	OA
rulers	A tool used to measure inches, sometimes also centimeters				MD.1-4	
scale	Relationship between measurements on a drawing/model and the measurements of real objects				MD.10	MD.3
shape	The form or outline of an object	G.3				
short, shorter, shortest	Having little height	MD.1		MD		
shorter than	Measuring a small distance from end to end		MD.2			
side(s)	A position to the left or right of an object, place, or central point		G			X
simplest form	A fraction where the numerator and denominator have only 1					X

	as the common factor					
sixth	One of 6 equal parts of the whole					NF
size	How big or small an object is	G.3				
skip counting	A pattern of counting forward or backward		CC.1	NBT.2	NBT.2	OA.9
small, smaller, smallest	Little in size	MD.1	MD.2			
sort	To group or organize according to shared attributes		MD.3	X		
sphere	A solid figure whose curved surface is the same distance from the center to all its points	G.2	G	G.2	G.1	
square	A polygon with 4 congruent sides and 4 right angles	G.2	G	G.1	G.1	G.1
square unit	A unit used to measure area such as square feet or square meter					MD.5
standard algorithm						X
standard form	A way to write numbers by using the digits 0-9, with each digit having a place value				NBT.3	
strategy(ies)	Tools to assist in solving mathematical problems			OA	OA.1, 2, NBT.7, 9	OA
subtract(ion)	Take one quantity away from another		OA	OA	OA.1-2, NBT.5-8	NBT.2
subtraction equation				OA	OA.1-2, NBT.5-8	
sum	The answer to an addition problem		OA	OA	OA.1-2, NBT.5-8	NBT.2
survey	A tool used to gather data					X
symbol	An image used instead of words		+, -,= X	+, -, <, >, =, ¢ X	+, -, <, >, =, $, ¢ OA.1-4, NBT.4-7, MD.8	+, -, x, , <, >, =, (,) NF.3d
symmetry	See line of symmetry			G.3		
take away	to deduct; subtract		OA			
tall, taller, tallest	Large in height	MD.1	MD. 1-2			

Term	Definition					
tally chart	A table that uses tally marks to represent data				MD.10	MD.3
tally mark	A mark used to record data on a tally table		CC.4	MD.4	MD.10	MD.3
ten frames	A simple graphic tool that allows people to "see" numbers		OA.4G			
tens /tens place	The place to the left of the ones place		NBT.1	NBT	OA.1-3, NBT.2, 3, 5, 6, 7	
thirds	One of 3 parts of a whole				G.3	X
thousand /thousands place						
three-digit number	A number that has digits in the ones, tens, and hundreds places				NBT.1-8	
three-dimensional	Measured in three dimensions; length, height, and width				G.1	
time	Can be measured in seconds, minutes, hours, days, weeks, months, years. Shown on clocks and calendars			MD	MD.7	
times	Can be measured in seconds, minutes, hours, days, weeks, months, years. Shown on clocks and calendars					OA
top	The highest point	G.1				
total					OA.1-4, NBT.5-9	
trapezoid	A quadrilateral with exactly 1 pair of parallel sides				G.1	G.1
triangle	A polygon with 3 sides and 3 angles	G.2	G	G.1	G.1	MD.8
turn-around fact (commutative)					OA.2, NBT. 9	
two-digit number	A number that has digits in the ones and tens places				OA.1-2, NBT.5-8	
two-dimensional	A figure that lies in a plane – having length and width but not height				G.1	MD.5
under	Below	G.1				
unequal						
unit	A quantity used as a standard of measurement			X		MD.5a
unit fraction	A fraction that has 1 as a numerator					NF. 1&2
unit square	A square whose sides have a length of 1					MD.5a

value	A monetary worth, a number's worth, the meaning of a number			MD.3	MD.8	NBT.1
vertical	Extending up and down				OA.4	MD.3
vertex (vertices)	The point where two or more rays or line segments meet		G (corners)	G.2		
volume	The amount of space a three dimensional object occupies. Measured in cubic units					MD.2
Weight	A measure of how heavy something is	MD.1				
Whole	All of something		X	OA	OA.1	NF
whole number(s)	A number that does not contain a fraction 0, 1, 2, 3, 4…		X	X	MD.9	OA NBT
word form/number names	A way to write numbers in standard English				NBT.3	
x-axis	The horizontal number line on a coordinate plane(graph)				MD.10	MD.3
yard	A customary unit used to measure length or distance (3 feet=1 yard)				MD.1-5	
y-axis	The vertical number line on a coordinate plane(graph)				MD.10	MD.3