

Mathematics Critical Vocabulary

	K	1 st	2 nd	3 rd	4 th	5 th
Number Sense	coin count count on dime equal fewer greater less more nickel number numeral ones penny quantity quarter set tens	cents, ¢ comparison digit equal parts equal to, = fair shares fourths greater than, > half /halves hundreds less than, < number line place value quarters strategy unequal parts	base-10 compose decimal point decompose dollar sign dollar, \$ eighths expanded form fraction standard form thousands whole word form	denominator equivalent fraction expanded notation hundred thousands numerator period ten thousands unit fraction	benchmark fractions billions decimal hundred millions hundredths improper fraction millions mixed number perfect square ten millions tenths	positive rational number thousandths
Operations	add join minus number sentence plus separate subtract	addends addition difference equations estimate part subtraction sum value whole	division equivalent multiplication operation	approximate area models arrays compatible numbers divisibility rules equal-sized groups estimate factor multiple partial product product quotient repeated addition round standard algorithm	dividend divisor remainder	factor pairs front end estimation compensation
Algebraic Reasoning	number pattern predict	expression unknown	even odd	extend number pairs table	input-output number pattern numerical expression quantity rule sequence	additive pattern brackets composite multiplicative pattern parentheses prime

Critical Tools	hundreds chart T-chart ten frames	analog clock digital clock ruler	measuring tape meter stick strip diagrams yardstick	fraction bars/strips model place value blocks protractor	balance scale/primary balance
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Geometry	<ul style="list-style-type: none"> attributes circle classify cones corner cubes cylinder geometric identify rectangle shape sides solid spheres square triangle vertex/vertices 	<ul style="list-style-type: none"> 2-D shapes 3-D solids edge face figures flat surface hexagon rectangular prism rhombus triangular prism 	<ul style="list-style-type: none"> octagon pentagon polygon 	<ul style="list-style-type: none"> angles base congruent parallel parallelogram partition quadrilaterals right angle trapezoid 	<ul style="list-style-type: none"> acute angle adjacent angle equilateral isosceles line of symmetry line segment lines obtuse angle perpendicular points rays scalene straight angle 	<ul style="list-style-type: none"> axis/ axes coordinate plane first quadrant intersection ordered pair origin property subsets x-axis x-coordinate y-axis y-coordinate
Measurement	<ul style="list-style-type: none"> capacity heavier than holds less holds more length lighter than longer measure shorter weight 	<ul style="list-style-type: none"> half hour hour minute unit 	<ul style="list-style-type: none"> a.m. area centimeter distance foot inch meter p.m. square units standard units yard 	<ul style="list-style-type: none"> customary increment liquid ounces liquid volume metric ounces (weight) perimeter square centimeters square inches time intervals 	<ul style="list-style-type: none"> angle measures convert degrees dimensions elapsed time formula mass 	<ul style="list-style-type: none"> cubic units volume
Data Analysis	<ul style="list-style-type: none"> bar-type graphs collect data graph label organize picture graph real object graph tally title 	<ul style="list-style-type: none"> category conclusion representations 	<ul style="list-style-type: none"> bar graph data point interval key pictograph predictions 	<ul style="list-style-type: none"> categorical data dot plot frequency table horizontal axis numerical data scaled intervals vertical axis 	<ul style="list-style-type: none"> stem-and-leaf plot 	<ul style="list-style-type: none"> coordinate grid data sets frequencies scatterplot
Personal Financial Literacy	<ul style="list-style-type: none"> income money needs skills wants 	<ul style="list-style-type: none"> charitable giving goods and services saving spending 	<ul style="list-style-type: none"> benefits borrowing consumer cost deposit lending producer withdrawal 	<ul style="list-style-type: none"> availability borrower credit human capital interest labor lender scarcity 	<ul style="list-style-type: none"> allocate financial institution fixed expense profit variable expense weekly allowance revenue 	<ul style="list-style-type: none"> check credit card debit card electronic payment financial records gross income income tax net income payroll tax property tax sales tax simple budget