

# HPS — MATH VOCABULARY — GRADE 3

Vocabulary lists identify terms *that teachers need to use within their instructional sequence and encourage students to utilize when communicating mathematically*

<b>Second Grade</b>	<b>Process</b>			<b>Third Grade</b>			<b>Process</b>			<b>Fourth Grade</b>
	<b>Process</b>			<b>Process</b>			<b>Process</b>			
	classify estimate greater than minus plus trading	difference explore investigate near rounding	equal far less than not equal sum	about exact logical reasoning make a table work backwards	act it out find a pattern make a chart operation write a number sentence	draw a picture guess and check make a list reasonable	and equivalent fractions front end place value tenth word form	compensation exact number hundredths round variable	decimal point expanded word form period short word form whole number	
	<b>Numbers and Operations</b>			<b>Numbers and Operations</b>			<b>Numbers and operations</b>			
addend equals multiplication sentence subtraction sentence times	array fact family multiply  ten frame	decimal point multiplication	addition-addend addition-count on addition-make a ten addition-sum divide division-remainder fraction-decimal point fraction-parts of a set give change multiply-factors multiply-multiplication multiply-repeated addition place value-equal place value-greatest place value-less than place value-standard form subtract-count up subtract-missing addend elapsed time	addition-all together addition-doubles addition-operation amount division-divisor fraction fraction-denominator fraction-parts of a whole multiply-array multiply-groups of multiply-order of factors multiply-square number place value-expanded form place value-hundreds place value-order place value-thousands subtract-difference subtract-regrouping	addition-compare addition-fact family addition-problem solving combination division-quotient fraction-decimal fraction-numerator fraction-whole multiply-estimation multiply-missing factors multiply-product place value-compare place value-greater than place value-least place value-ordinal subtract-count back subtract-mental math subtract-subtraction	adding/subtracting basic facts common denominator commutative property composite dividend divisor fractions in all mental math multiplication/division numerator zero property	associative clustering  denominator divisibility rule equivalent fractions identity input mixed numbers number and operation output	associative property  compatible number distributive property divisible factor improper fractions inverse operations multiple  simplest form		

# HPS – MATH VOCABULARY – GRADE 3

Vocabulary lists identify terms that teachers need to use within their instructional sequence and encourage students to utilize when communicating mathematically

<b>Second Grade</b>	<b>Algebra</b>			<b>Third Grade</b> ←Continue vocabulary use from previous years→			<b>Algebra</b>			<b>Fourth Grade</b>
	compose numbers counting on	counters decompose numbers	counting back doubles	Algebraic	missing number		algebraic concepts	associative property	commutative property identity property	
	doubles minus 1 equal to	doubles plus 1 fact families	equal groups graphs				formula	graphing ordered pairs	property of one	
	missing addend solve	number line tables	secrets of 9				input property of zero	output whole numbers		
	<b>Geometry</b>			<b>Geometry</b>			<b>Geometry</b>			
	corner identical plane figures side transformations	distance line of symmetry polygon slide turn	flip perimeter pyramid solid figures vertical	area line plane figure right angle	endpoint line segment quadrilaterals square units	geo board pentagon ray symmetric	2-dimensional beside horizontal open and closed plane radius square pyramid triangular prism	3-dimensional circumference intersecting lines parallel lines point reflection straight angle triangular pyramid	acute angle diameter obtuse angle perpendicular lines quadrilateral rotation translation vertex	
<b>Measurement</b>			<b>Measurement</b>			<b>Measurement</b>				
amount centimeter (cm) dollar elapsed time fourths half height late meter (m) pint (pt) square units week	area cup earlier foot fraction half dollar inch (in) later month quarter hour third weight/mass	balance scale decimeter (dm) early fourth gram (g) halves kilogram (kg) liter (l) pattern schedule thirds yard (yd)	degrees Celsius (°C) gallon (gal) mile (mi)	degrees Fahrenheit (F) kilometer (km) milliliter (ml)	feet (ft) measurement ounce (oz)	base customary units gram metric system milliliter perimeter ton	century decade leap year miles millimeter tablespoon	cubic units gallon mass milligram ounces teaspoon		

# HPS – MATH VOCABULARY – GRADE 3

Vocabulary lists identify terms *that teachers need to use within their instructional sequence and encourage students to utilize when communicating mathematically*

<b>Second Grade</b>	<b>Statistics</b>			<b>Third Grade</b> ←Continue vocabulary use from previous years→			<b>Statistics</b>			<b>Fourth Grade</b>
	about estimation predict	almost pictograph survey	data collection picture graph tally marks	certain grid less likely ordered pair tally chart	column impossible missing number outcomes	equally likely key most likely row	axis line graph more likely	double graph median range	graphing mode stem-and-leaf	
	<b>Patterns</b>			<b>Patterns</b>			<b>Patterns</b>			
	above below equivalent hundreds odd shorter	after between even less than ones skip count	before digit greater than longer regroup tens	guess my rule			equivalent ratio odd and even numbers tables	graphs patterns unit pricing	number lines percents	