

# Elementary Vocabulary . . . . .

adapted from MSP Mathematics Test & Item Specifications, August 2010

- add, 3 (K)
- addition, 3 (K)
- angle, 3 (K)
- angle, acute, 5
- angle, obtuse, 5
- angle, right, 3
- area, 4
- attribute/property, 3 (2)
- axis, horizontal, 5
- axis, vertical, 5
- base (geometry), 5
- capacity, 3 (K)
- certain, 4
- chart, 3 (1)
- circle, 3 (K)
- closed figure, 3
- coin, 3 (2)
- common
  - denominator, 4
- compare, 3 (K)
- complete, 3
- congruent, 4
- convert, 4
- coordinate, 4
- data, 3 (2)
- decimal, 4
- decompose, 5
- denominator, 3
- determine, 5
- diagonal, 3
- diagram, 5
- difference, 3 (2)
- digit, 3 (2)
- dimensions, 5
- disagree, 3
- divide, 3 (2)
- divisible, 5
- division, 3 (2)
- equal, 3 (K)
- equally likely, 4
- equation, 3 (1)
- equivalent, 4 (1)
- estimate (verb), 3 (2)
- evaluate, 5
- expression, 3 (1)
- factor, 4
- fewer than, 3
- fewest, 3
- figure, 3 (1)
- formula, 4
- fraction, 3 (2)
- graph, 3 (1)
- greater than, 3 (K)
- greatest, 3 (1)
- greatest
  - common factor, 5
- grid, 4
- height, 5
- hexagon, 4 (1)
- hundreds, 3 (2)
- hundredths, 4
- impossible, 4
- improper fraction, 4
- include, 3
- inequality, 3
- information, 3 (1)
- intersecting lines, 3
- key (graph), 3
- kite, 3
- label, 3
- least, 3 (1)
- least common
  - multiple, 5
- less likely, 4
- length, 3 (K)
- less likely, 4
- less than, 3 (K)
- likely, 4
- line, 3 (K)
- line graph, 5
- line plot, 3
- line segment, 3
- linear, 5
- linearly related, 5
- location, 3 (K)
- lowest terms, 4
- mean, 5
- measure, 3 (K)
- median, 4
- mode, 4
- model, 3
- more likely, 4
- more than, 3 (K)
- most, 3 (1)
- most likely, 4
- multiple, 4
- multiplication, 3 (2)
- multiply, 3 (2)
- number, 3 (K)
- number, composite, 5
- number, even, 3 (1)
- number, mixed, 4
- number, odd, 3 (1)
- number, prime, 5
- number, whole, 3 (2)
- number line, 3 (K)
- number pattern, 3 (2)
- numerator, 3
- octagon, 4
- ones, 3
- operation, 3
- order, 3 (K)
- ordered pair, 4
- origin, 5
- parallel, 3
- parallelogram, 3
- pattern, 3 (K)
- pentagon, 4
- perimeter, 3
- perpendicular, 3
- pictograph, 3
- place value, 3 (2)
- plot, 4
- point, 3
- polygon, 4
- polygon, regular, 4
- population, 3
- possible, 4
- probability, 4
- problem, 3 (K)
- product, 3
- property/attribute, 3 (2)
- quadrilateral, 3
- quotient, 4
- range, 4
- rectangle, 3 (K)
- relation, 3 (1)
- remainder, 4
- represent, 3 (1)
- rhombus/rhombi, 3 (1)
- round to the nearest, 3
- rule, 3 (K)
- ruler, 3 (2)
- scale, 3
- scale (axis), 5
- set, 3
- side, 3 (1)
- simplify ... (with
  - directions), 4
- solve, 4
- square, 3 (K)
- straightedge, 3
- statement, 3
- student, 3
- substitute, 5
- subtract, 3 (K)
- subtraction, 3 (K)
- sum, 3 (2)
- support, 3
- survey, 3 (1)
- symbol, 3 (K)
- symmetry, 5
- table, 3 (1)
- tally/tallies, 3 (1)
- tens, 3 (1)
- tenths, 4
- thermometer, 3
- thousands, 3 (2)
- thousandths, 5
- title, 3 (1)
- total, 3 (2)
- trapezoid, 3 (1)
- triangle, 3 (K)
- triangle, acute, 5
- triangle, equilateral, 5
- triangle, isosceles, 5
- triangle, obtuse, 5
- triangle, right, 5
- triangle, scalene, 5
- uncertain, 4
- unlikely, 4
- value, 3 (2)
- variable, 5
- vertex/vertices, 3
- weight, 3 (K)
- width, 3

The levels in parentheses refer to the grades at which students should develop an oral understanding of the terms.

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# Item Specification Information<sup>1</sup> . . . . .

Measurement units, abbreviations, and grade level first-used in assessment items. The levels in parentheses refer to the grades at which students should develop an oral understanding of the terms.

Attribute	Unit	Grade
Length (K)	inch (in.)	3 (2)
	foot (ft.)	3 (2)
	yard (yd.)	3 (2)
	mile (mi.)	4
	millimeter (mm)	4
	centimeter (cm)	3 (2)
	meter (m)	3 (2)
	kilometer (km)	4
Capacity (K)	cup (c.)	3
	pint (pt.)	3
	quart (qt.)	3
	gallon (gal.)	3
	milliliter (mL)	4
	deciliter (dL)	4
	liter (L)	4
Weight (K)	ounce (oz.)	3
	pound (lb.)	3
Mass	milligram (mg)	4
	gram (g)	4
	kilogram (kg)	4
Angle	Degrees (°)	5

Attribute	Unit	Grade
Time	second (sec.)	3
	minute (min.)	3 (2)
	hour (h.)	3 (2)
	day (d.)	3 (2)
	week (wk.)	3 (2)
	month (mo.)	3 (2)
	year (yr.)	3 (2)
Temperature	Degree Fahrenheit (°F)	3
	Degree Celsius (°C)	3

## Conversions . . .

In grades 3-6, students are expected to convert within a measurement system but not between measurement systems. For example, 3 feet = 1 yard is a conversion within the U.S. customary system, but 1 yard = 0.91 meter is a conversion between U.S. Customary and metric systems. (Most dictionaries list conversion factors.)

## Data displays assessed in grades 3-5 . . .

Construct/Display	Extract for a Purpose	Type	Description
3.5.E	3.5.E	Pictograph	A diagram that uses pictures or symbols to compare data. Each picture may represent one or more data value.
4.4.H	4.4.H		
3.5.E	3.5.E	Frequency Table	A table that shows the category names used to sort a data set, a tally of the data set by category, and a number for the total number of occurrences in each category.
4.4.H	4.4.H		
3.5.E	3.5.E	Line Plot	A plot that shows the frequency of data on a number line.
4.4.H	4.4.H		
3.5.E	3.5.E	Bar Graph	A graph that uses the length of solid bars to represent numbers and compare data.
4.4.H	4.4.H		
5.5.C	5.5.C	Line Graph	A graph that uses one or more lines to show changes in data when there is a numeric value associated with equally spaced points along a continuous number scale.

## Computational guidelines in grades 3-5 . . .

	Numbers	Operations/Expectation	P.E.
3rd Grade	Whole	<b>Add/Subtract</b> (numbers of addends ≤ 5) (sums ≤ 10,000) (numbers ≤ 10,000)	3.1.C
		<b>Multiply/Divide</b> (products/quotients using factor pairs up to 10 x 10)	3.2.C
		<b>Multiply</b> (single-digit number by a two digit number ≤ 19)	3.2.G
4th Grade	Whole	<b>Multiply</b> (any number by 10, 100, 1000) (3-digit by 2-digit)	4.1.D
		<b>Divide</b> (division facts related to multiplications facts through 10 x 10)	4.1.J
5th Grade	Whole	<b>Divide</b> (whole number quotients for multiples of 10 and 100 using place value properties) (dividends up to four digits by one- or two-digit divisors)	5.1.B 5.1.C
		<b>Add/Subtract</b> (with denominators of 1-10 and 12) (number of addends ≤ 3)	5.2.E
	Decimals	<b>Add/Subtract</b> (to hundredths place) (number of addends ≤ 4)	5.2.F

<sup>1</sup> Additional information in the MSP Mathematics Test & Item Specifications for Grades 3-5.