NeSA Math Indicator Labels
Sixth Grade
Maco ML-3000

MA 6.1.1.a Show equivalence among common fractions and non-repeating decimals and percents

MA 6.1.1.b Compare and order positive and negative integers

MA 6.1.1.c Identify integers less than 0 on a number line

MA 6.1.1.d Represent large numbers using exponential notation

MA 6.1.1.e Identify the prime factorization of numbers

MA 6.1.1.f Classify numbers as natural, whole, or integer

MA 6.1.2.a Use drawings, words, and symbols to explain the meaning of addition and subtraction of fractions

MA 6.1.2.b Use drawings, words and symbols to explain the meaning of addition and subtraction of decimals

MA 6.1.3.a Multiply and divide positive rational numbers

MA 6.1.3.b Select and apply the appropriate method of computation when problem solving

MA 6.1.4.a Use appropriate estimation methods to check the reasonableness of solutions for problems involving positive rational numbers

MA 6.2.1.a Justify the classification of three-dimensional objects

MA 6.2.2.a Identify the ordered pair of a plotted point in the coordinate plane

MA 6.2.3.a Perform and describe positions and orientation of shapes under single transformations not on a coordinate plane

MA 6.2.4.a Identify two-dimensional drawings of three-dimensional objects

MA 6.2.5.a Estimate and measure length with customary and metric units to the nearest 1/16 inch and mm

MA 6.2.5.b Measure volume/capacity using the metric system

MA 6.2.5.c Convert length, weight, and liquid capacity from one unit to another within the same system

MA 6.2.5.d Determine the perimeter of polygons

MA 6.2.5.e Determine the area of parallelograms and triangles

MA 6.2.5.f Determine the volume of rectangular prisms

MA 6.3.1.a Describe and create simple algebraic expressions from words and tables

MA 6.3.1.b Use a variable to describe a situation with an equation

MA 6.3.1.c Identify relationships as increasing, decreasing, or constant

MA 6.3.2.a Model contextualized problems using various representations

MA 6.3.3.a Explain the multiplication property of equality

MA 6.3.3.b Evaluate numerical expressions containing multiple operations with respect to order of operations

MA 6.3.3.c Evaluate simple algebraic expressions involving multiplication and division

MA 6.3.3.d Solve one-step equations involving positive rational numbers

MA 6.3.3.e Identify and explain the properties of equality used in solving one-step equations

MA 6.4.1.a Represent data using stem and leaf plots, histograms, and frequency charts

MA 6.4.1.b Compare and interpret data sets and their graphical representations

MA 6.4.1.c Find the mean, median, mode, and range for a set of data

MA 6.4.1.d Compare the mean, median, mode, and range from two sets of data

MA 6.4.2.a Make predictions based on data and create questions to further investigate the quality of the predictions

MA 6.4.3.a Describe the theoretical probability of an event using a fraction, percentage, decimal, or ratio

MA 6.4.3.b Compute theoretical probabilities for independent events

MA 6.4.3.c Find experimental probability for independent events