

# Math Level 2

Skills

Analytical

Contextual

## Estimation and Computation (6)

NL.02.EC.01	Convert improper fractions to whole or mixed numbers and identifies equivalent fractions.			
NL.02.EC.02	Calculate sums and differences of fractions, decimals, and mixed numbers.			
NL.02.EC.03	Add and subtract negative numbers.			
NL.02.EC.04	Calculate and verify correct change from a purchase greater than \$100.			
NL.02.EC.05	Perform 3-digit by 2-digit multiplication and division, and 4-digit by 4-digit addition and subtraction.			
NL.02.EC.06	Estimate volume, length, and temperature using metric and standard measurement.			

## Functions and Relationships (7)

NL.02.FR.01	Describe patterns formed by multiples, factors, perfect squares, and powers of ten.			
NL.02.FR.02	Find a missing item in a number sequence with or without a calculator.			
NL.02.FR.03	Represent and analyze patterns using words, lists, and tables.			
NL.02.FR.04	Complete a table using a formula and graph the ordered pairs from the table.			
NL.02.FR.05	Write, solve and explain number sentences that contain a variable using simple inverse operations.			
NL.02.FR.06	Identify positive/negative slope and x-intercept/y-intercept (e.g. make a story from a graph)			
NL.02.FR.07	Graph inequalities on a number line.			

## Geometry (7)

NL.02.GO.01	Classify angles and angle pairs (e.g. supplementary, vertical, acute)			
NL.02.GO.02	Classify and compare various triangles, quadrilaterals and polygons according to their sides and/or angles.			
NL.02.GO.03	Use a compass and strait edge to construct a figure from a given set of directions.			
NL.02.GO.04	Construct and name polyhedrons and identify characteristics (e.g. sides of a pyramid meet at one			

NL.02.GO.05	Identify and model transformations of geometric figures as translations, reflections, or rotations.			
NL.02.GO.06	Determine area and perimeter of regular and irregular figures using a variety of methods.			
NL.02.GO.07	Explains patterns in the relationships between area and perimeter.			
<b>Measurement (4)</b>				
NL.MS.02.01	Measure weights, lengths, and temperature to the nearest unit using metric and standard systems.			
NL.MS.02.02	Identify and use equivalent measurements in different units within the same measurement system.			
NL.MS.02.03	Determine elapsed time to the minute.			
NL.MS.02.04	Develop and interpret scales and scale models.			
<b>Numeration (7)</b>				
NL.02.NM.01	Compare and order positive and negative whole numbers to 1,000,000.			
NL.02.NM.02	Compare and order real numbers by place value positions from 0.001 to 1,000,000.			
NL.02.NM.03	Convert between mixed numbers, fractions, and decimals.			
NL.02.NM.04	Describe and demonstrate the relationships among the four basic operations.			
NL.02.NM.05	Model and explain the process of adding and subtracting decimals.			
NL.02.NM.06	Model and explain the process of adding and subtracting fractions with common denominators.			
NL.02.NM.07	Describe and demonstrate rules of divisibility to determine if one number is a factor or a multiple of another.			
<b>Problem Solving (7)</b>				
NL.02.PS.01	Select and apply appropriate strategies to solve 2 step word problems involving fractions, decimals, and the 4 basic operations.			

NL.02.PS.02	Clarify a problem, define a solving strategy, and verify results using an alternative strategy.			
NL.02.PS.03	Illustrate practical mathematical situations using concrete, pictorial, and symbolic representation.			
NL.02.PS.04	Translate and successfully solves problems between everyday language and mathematical symbols.			
NL.02.PS.05	Draw logical conclusions about mathematical situations.			
NL.02.PS.06	Maintain a math notebook that expresses goals, successes, and areas for improvement and explains mathematical ideas, solutions, and methods.			
NL.02.PS.07	Apply math skills and processes to a personal interest (i.e. music, architecture, sports, etc.)			
<b>Statistics and Probability (7)</b>				
NL.02.SP.01	Create and solve probability problems about chance occurrences.			
NL.02.SP.02	Calculate the probability of multiple independent events.			
NL.02.SP.03	Gather data and find the mean, median, mode, range.			
NL.02.SP.04	Describe and explain data from tables, charts and graphs; and use the data to predict an outcome.			