APS Seventh Grade Math District Benchmark Assessment NM Math Standards Alignment

SIXTH GRADE NM STANDARDS
Strand: NUMBER AND OPERATIONS
Standard: Students will understand numerical concepts and mathematical operations.

5-8 Benchmark N.1: Understand numbers, ways of representing numbers, relationships among numbers, and number systems.

Performance Standards		Fall Assessment (37 Questions)	Winter Assessment (35 Questions)	Spring Assessment (44 Questions)
6.N.1.1	Compare and order rational numbers.			
6.N.1.2	Use equivalent representations for rational numbers (e.g., integers, decimals, fractions, percents, ratios, and numbers with whole-number exponents).	2 Questions		
6.N.1.3	Use appropriate representations of positive rational numbers in the context of real-life applications.			
6.N.1.4	Identify greatest common factor and least common multiples for a set of whole numbers.			
6.N.1.5	Identify and represent on a number line decimals, fractions, mixed numbers, and positive and negative integers.			
5-8 Benchmark N.2: Understand the meaning of operations and how they relate to one another.				
6.N.2.1	Calculate multiplication and division problems using contextual situations.			
6.N.2.2	Factor a whole number into a product of its primes.			
6.N.2.3	Demonstrate the relationship and equivalency among ratios and percents.			
6.N.2.4	Use proportions to solve problems.	1 Question		
6.N.2.5	Explain and perform: a. whole number division and express remainders as decimals or appropriately in the context of the problem b. addition, subtraction, multiplication, and division with decimals c. addition and subtraction with integers d. addition, subtraction, and multiplication with fractions and mixed numerals	3 Questions		
6.N.2.6	Determine the least common multiple and the greatest common divisor of whole numbers and use them to solve problems with fractions.	1 Question		

5-8 Benchmark N.3: Compute fluently and make reasonable estimates.				
Performance Standards		**Fall Assessment**	**Winter Assessment**	**Spring Assessment**
6.N.3.1	Estimate quantities involving rational numbers using various estimations.			
6.N.3.2	Use estimates to check reasonableness of results and make predictions in situations involving rational numbers.			
6.N.3.3	Determine if a problem situation calls for an exact or approximate answer and perform the appropriate computation.			
6.N.3.4	Compare and order positive and negative fractions, decimals, and mixed numbers and place them on a number line.			
6.N.3.5	Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.	5 Questions		
6.N.3.6	Interpret and use ratios in different contexts.			
6.N.3.7	Compute and perform multiplication and division of fractions and decimals and apply these procedures to solving problems.	3 Questions		
Strand: ALGEBRA **Standard:** Students will understand algebraic concepts and applications.				
5-8 Benchmark A.1: Understand patterns, relations, and functions.				
6.A.1.1	Solve problems involving proportional relationships.			
6.A.1.2	Graph ordered pairs in the coordinate plane.			
6.A.1.3	Explain and use symbols to represent unknown quantities and variable relationships.			
6.A.1.4	Explain and use the relationships among ratios, proportions, and percents.			
6.A.1.5	Make generalizations based on observed patterns and relationships.	4 Questions		
5-8 Benchmark A.2: Represent and analyze mathematical situations and structures using algebraic symbols.				
6.A.2.1	Solve problems involving proportional relationships.			
6.A.2.2	Use letters to represent an unknown in an equation.	1 Question		
6.A.2.3	Solve one-step linear equations and inequalities in one variable with positive whole-number solutions.	1 Question		

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Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
6.A.2.4	Demonstrate that a variable can represent a single quantity that changes.	1 Question		
6.A.2.5	Demonstrate how changes in one variable affect other variables.			
5-8 Benchmark A.3: Use mathematical models to represent and understand quantitative relationships.				
6.A.3.1	Develop and use mathematical models to represent and justify mathematical relationships found in a variety of situations.			
6.A.3.2	Create, explain, and use mathematical models such as: a. Venn diagrams to show the relationships between the characteristics of two or more sets b. equations and inequalities to model numerical relationships c. three-dimensional geometric models, graphs, tables, and charts to interpret and analyze data			
5-8 Benchmark A.4: Analyze changes in various contexts.				
6.A.4.1	Represent and explain changes using one-step equations with one variable.			
6.A.4.2	Solve problems that involve change using proportional relationships..			
6.A.4.3	Use ratios to predict changes in proportional situations.			
6.A.4.4	Use tables and symbols to represent and describe proportional and other relationships involving conversions, sequences, and perimeter.			
6.A.4.5	Generate formulas to represent relationships involving changes in perimeter.			

Strand: GEOMETRY
Standard: Students will understand geometric concepts and applications.

5-8 Benchmark G.1: Analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematics arguments about geometric relationships.

Performance Standards		Fall Assessment (17 Questions)	Winter Assessment	Spring Assessment
6.G.1.1	Identify, describe, and classify the properties of, and the relationships between, plane and solid geometric figures: a. measure, identify, and draw angles, perpendicular and parallel lines, rectangles, and triangles by using appropriate tools (e.g., straightedge, ruler, compass, protractor, drawing software) b. understand that the sum of angles of any triangle is 180 degrees and the sum of the angles of any quadrilateral is 360 degrees and use this information to solve problems c. visualize and draw two-dimensional views of three-dimensional objects made from rectangular solids	1 Question		
6.G.1.2	Classify angles as right, obtuse, or straight.	1 Question		
6.G.1.3	Describe the properties of geometric figures that include regular polygons, circles, ellipses, cylinders, cones, spheres, and cubes.			
6.G.1.4	Classify polygons as regular or irregular.			
6.G.1.5	Classify triangles as scalene, isosceles, or equilateral and by angles (i.e., right, acute, and obtuse).			
6.G.1.6	Identify angle, line, segment, and ray and use the symbols for each.			
6.G.1.7	Describe the relationship between radius, diameter, and circumference of a circle.	1 Question		
5-8 Benchmark G.2: Specify locations and describe spatial relationships using coordinate geometry and other representational systems.				
6.G.2.1	Use coordinate geometry to describe location on a plane.			
6.G.2.2	Recognize skewed lines in space.			
5-8 Benchmark G.3: Apply transformations and use symmetry to analyze mathematical situations.				
6.G.3.1	Identify line of symmetry with rotation and scaling.			

APS Seventh Grade Math District Benchmark Assessment NM Math Standards Alignment

Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
5-8 Benchmark G.4: Use visualization, spatial reasoning, and geometric modeling to solve problems.				
6.G.4.1	Use appropriate technology, manipulatives, constructions, or drawings to recognize or compare geometric figures.			
Strand: MEASUREMENT **Standard:** Students will understand measurement systems and applications.				
5-8 Benchmark M.1: Understand measurable attributes of objects and the units, systems, and processes of measurement.				
6.M.1.1	Perform multi-step conversions of measurement units to equivalent units within a given system (e.g., 36 inches equals 3 feet or 1 yard).			
6.M.1.2	Estimate measurement in both U.S. customary and metric units.			
6.M.1.3	Select and use units of appropriate size and type to measure angles (e.g., degrees, radians), perimeter, area, and capacity in both U.S. customary and metric systems.			
6.M.1.4	Use standard units of linear measurement to the nearest sixteenth of an inch; metric measurements to the nearest millimeter.			
5-8 Benchmark M.2: Apply appropriate techniques, tools, and formulas to determine measurements.				
6.M.2.1	Apply various measurement techniques and tools, units of measure, and degrees of accuracy to find accurate rational number representations for length, liquid, weight, perimeter, temperature, and time.	1 Question		
6.M.2.2	Select and use formulas for perimeters of squares and rectangles.	2 Questions		
6.M.2.3	Select and use strategies to estimate measurements including angle measure and capacity.			
6.M.2.4	Select and justify the selection of measurement tools, units of measure, and degrees of accuracy appropriate to the given situation.			

APS Seventh Grade Math District Benchmark Assessment NM Math Standards Alignment

Strand: DATA ANALYSIS AND PROBABILITY
Standard: Students will understand how to formulate questions, analyze data, and determine probabilities.

5-8 Benchmark D.1: Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.

Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
6.D.1.1	Use statistical representations to analyze data.			
6.D.1.2	Draw and compare different graphical representations of the same data.			
6.D.1.3	Use mean, median, mode, and range to describe data.	4 Questions		
6.D.1.4	Sketch circle graphs to display data.			
6.D.1.5	Solve problems by collecting, organizing, displaying and interpreting data.			
6.D.1.6	Compare different samples of a population with the entire population and determine the appropriateness of using a sample.			
6.D.1.7	Conduct and explain sampling techniques such as observations, surveys, and random sampling for gathering data.			
6.D.1.8	Determine the median for a rational number data set containing an odd number of data points.			
6.D.1.9	Calculate and explain the median for a whole number data set containing an even number of data points.			
6.D.1.10	Explain advantages and disadvantages of using various display formats for a specific data set.			
6.D.1.11	Formulate and solve problems by collecting, organizing, displaying, and interpreting data.			
5-8 Benchmark D.2: Select and use appropriate statistical methods to analyze data.				
6.D.2.1	Choose an appropriate graphical format to organize and represent data.			
6.D.2.2	Describe the effects of missing or incorrect data.	1 Question		

APS Seventh Grade Math District Benchmark Assessment NM Math Standards Alignment

Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
6.D.2.3	Compute and analyze statistical measurements for data sets: a. understand how additional data added to data sets may affect the computations of central tendency b. understand how the inclusion or exclusion of outliers affects measures of central tendency c. know why a specific measure of central tendency provides the most useful information in a given context			
6.D.2.4	Use data samples of a population and describe the characteristics and limitations of the sample.			
6.D.2.5	Identify different ways of selecting a sample (e.g., convenience sampling, responses to a survey, random sampling) and which method makes a sample more representative for a population.			
6.D.2.6	Explain how the way a question is asked in a survey might influence the results obtained.			
6.D.2.7	Identify data that represent sampling errors and explain why the sample and the display might be biased.			
6.D.2.8	Identify claims based on statistical data and, in sample cases, evaluate the validity and usefulness of the claims.			
5-8 Benchmark D.3: Develop and evaluate inferences and predictions that are based on data.				
6.D.3.1	Identify claims based on statistical data and evaluate the validity of the claim			
6.D.3.2	Conduct observations, surveys, experiments and/or simulations, record the results in charts, tables, or graphs, and use the results to draw conclusions and make predictions.	2 Questions		
6.D.3.3	Find all possible combinations in a given set (e.g., the number of ways a set of books can be arranged on a shelf).			
6.D.3.4	Compare expected results with actual results in a simple experiment.			
5-8 Benchmark D.4: Understand and apply basic concepts of probability.				
6.D.4.1	List all possible outcomes for a compound event composed of two independent events and recognize whether an outcome is certain, impossible, likely, or unlikely.			
6.D.4.2	Determine and compare experimental (empirical) and mathematical (theoretical) probabilities (e.g., flipping two color counters).			

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Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
6.D.4.3	Determine theoretical and experimental probabilities and use them to make predictions about events.	1 Question		
6.D.4.4	Represent all possible outcomes for compound events in an organized way (e.g., tables, grids, tree diagrams) and express the theoretical probability of each outcome.			
6.D.4.5	Use data to estimate the probability of future events (e.g., batting averages).			
6.D.4.6	Represent probabilities as ratios, proportions, decimals between 0 and 1, and percentages between 0 and 100 and verify that the probabilities computed are reasonable; know that if P is the probability of an event, 1- P is the probability of the event not occurring.			
6.D.4.7	Describe the difference between independent and dependent events and identify situations involving independent or dependent events.			

SEVENTH GRADE NM STANDARDS
Strand: NUMBER AND OPERATIONS
Standard: Students will understand numerical concepts and mathematical operations.

5-8 Benchmark N.1: Understand numbers, ways of representing numbers, relationships among numbers, and number systems.

Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
7.N.1.1	Determine the absolute value of rational numbers.			
7.N.1.2	Illustrate the relationships among natural (i.e., counting) numbers, whole numbers, integers, rational and irrational numbers.			
7.N.1.3	Use properties of the real-number system to explain reasoning and to formulate and solve real-world problems.		2 Questions	
7.N.1.4	Read, write, and compare rational numbers in scientific notation (e.g., positive and negative powers of 10) with approximate numbers using scientific notation.			
7.N.1.5	Simplify numerical expressions using order of operations.			
5-8 Benchmark N.2: Understand the meaning of operations and how they relate to one another.				
7.N.2.1	Add, subtract, multiply, and divide rational numbers (e.g., integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.			3 Questions
7.N.2.2	Convert terminating decimals into reduced fractions.			
7.N.2.3	Calculate given percentages of quantities and use them to solve problems (e.g., discounts of sales, interest earned, tips, markups, commission, profit, simple interest).		3 Questions	1 Question
7.N.2.4	Add and subtract fractions with unlike denominators.			
7.N.2.5	Multiply, divide, and simplify rational numbers by using exponent rules.			1 Question
7.N.2.6	Understand the meaning of the absolute value of a number: a. interpret the absolute value as the distance of the number from zero on a number line b. determine the absolute value of real numbers			
7.N.2.7	Find square roots of perfect whole-number squares.			

APS Seventh Grade Math District Benchmark Assessment NM Math Standards Alignment

Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
7.N.2.8	Simplify and evaluate positive rational numbers raised to positive whole number powers.			
7.N.2.9	Solve addition, subtraction, multiplication, and division problems that use positive and negative integers and combinations of these operations.			5 Questions
5-8 Benchmark N.3: Compute fluently and make reasonable estimates.				
7.N.3.1	Use estimation to check reasonableness of results, and use this information to make predictions in situations involving rational numbers, pi, and simple algebraic equations.			
7.N.3.2	Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.		3 Questions	2 Questions
7.N.3.3	Read, write, and compare rational numbers in scientific notation (e.g., positive and negative powers of 10) with approximate numbers using scientific notation.			
7.N.3.4	Calculate the percentage of increases and decreases of a quantity.			
7.N.3.5	Add and subtract fractions with unlike denominators.			
7.N.3.6	Use the inverse relationship between raising to a power and extracting the root of a perfect square integer.			
Strand: ALGEBRA **Standard:** Students will understand algebraic concepts and applications.				
5-8 Benchmark A.1: Understand patterns, relations, and functions.				
7.A.1.1	Identify and continue patterns presented in a variety of formats.			
7.A.1.2	Represent a variety of relationships using tables, graphs, verbal rules, and possible symbolic notation, and recognize the same general pattern presented in different representations.		1 Question	1 Question
7.A.1.3	Simplify numerical expressions by applying properties of rational numbers, and justify the process used.			
7.A.1.4	Interpret and evaluate expressions involving integer powers and simple roots.			
7.A.1.5	Graph and interpret linear functions.			

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Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
7.A.1.6	Solve problems involving rate, average speed, distance, and time.			1 Question
5-8 Benchmark A.2: Represent and analyze mathematical situations and structures using algebraic symbols.				
7.A.2.1	Write verbal expressions and sentences as algebraic expressions and equations: a. evaluate algebraic expressions b. solve simple linear equations c. graph and interpret results		4 Questions	
7.A.2.2	Use variables and appropriate operations to write an expression, an equation, or an inequality that represents a verbal description.		1 Question	
7.A.2.3	Use the order of operations to evaluate algebraic expressions.		1 Question	2 Questions
7.A.2.4	Simplify numerical expressions by applying properties of rational numbers.		2 Questions	3 Questions
7.A.2.5	Graph linear functions and identify slope as positive or negative.			
7.A.2.6	Use letters as variables in mathematical expressions to describe how one quantity changes when a related quantity changes.			
5-8 Benchmark A.3: Use mathematical models to represent and understand quantitative relationships.				
7.A.3.1	Create scale models and use them for dimensional drawings.			
7.A.3.2	Understand and use the coordinate plane to graph ordered pairs and linear equations.			
7.A.3.3	Select and use an appropriate model for a particular situation.			
5-8 Benchmark A.4: Analyze changes in various contexts.				
7.A.4.1	Use variables and appropriate operations to write an expression, an equation, and/or an inequality that represents a verbal description involving change.			
7.A.4.2	Interpret and evaluate expressions involving integer powers and simple roots as they relate to change.			
7.A.4.3	Graph and interpret linear functions as they are used to solve problems.		1 Question	

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Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
7.A.4.4	Solve two-step equations and inequalities with one variable over the rational numbers, interpret the solution or solutions in the context from which they arose, and verify the reasonableness of the results.			
Strand: GEOMETRY **Standard:** Students will understand geometric concepts and applications.				
5-8 Benchmark G.1: Analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematics arguments about geometric relationships.				
7.G.1.1	Classify geometric figures as similar or congruent.		4 Questions	
7.G.1.2	Understand the concept of a constant (e.g., pi) and use the formulas for the circumference and area of a circle.		1 Question	
7.G.1.3	Explain and use the Pythagorean theorem.			
7.G.1.4	Determine the radius, diameter, and circumference of a circle and explain their relationship.			
7.G.1.5	Use properties to classify solids including pyramids, cones, prisms, and cylinders.			
5-8 Benchmark G.2: Specify locations and describe spatial relationships using coordinate geometry and other representational systems.				
7.G.2.1	Construct and use coordinate graphs to plot simple figures, determine lengths and areas related to them, and determine the image under translations and reflections.			
5-8 Benchmark G.3: Apply transformations and use symmetry to analyze mathematical situations.				
7.G.3.1	Determine how perimeter and area are affected by changes of scale.		3 Questions	
5-8 Benchmark G.4: Use visualization, spatial reasoning, and geometric modeling to solve problems.				
7.G.4.1	Compute the perimeter and area of common geometric shapes and use the results to find measures of less common objects.		4 Questions	

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Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
7.G.4.2	Identify and describe the properties of two-dimensional figures: a. identify angles as vertical, adjacent, complementary, or supplementary and provide descriptions of these terms b. use the properties of complementary and supplementary angles and the sum of the angles of a triangle to solve problems involving an unknown angle c. draw quadrilaterals and triangles from given information	1 Question		
Strand: MEASUREMENT **Standard:** Students will understand measurement systems and applications.				
5-8 Benchmark M.1: Understand measurable attributes of objects and the units, systems, and processes of measurement.				
7.M.1.1	Choose appropriate units of measure and ratios to recognize new equivalences (e.g., 1 square yard equals 9 square feet) to solve problems.		1 Question	
7.M.1.2	Select and use the appropriate size and type of unit for a given measurement situation.			
7.M.1.3	Compare masses, weights, capacities, geometric measures, times, and temperatures within measurement systems.			
7.M.1.4	Approximate the relationship between standard and metric measurement systems (e.g., inches and centimeters, pounds and kilograms, quarts and liters).			
7.M.1.5	Use measures expressed as rates and measures expressed as products to solve problems, check the units of the solutions, and analyze the reasonableness of the answer.			
5-8 Benchmark M.2: Apply appropriate techniques, tools, and formulas to determine measurements.				
7.M.2.1	Apply strategies and formulas to find missing angle measurements in triangles and quadrilaterals.			
7.M.2.2	Select and use formulas to determine the circumference of circles and the area of triangles, parallelograms, trapezoids, and circles.		1 Question	
7.M.2.3	Solve problems involving scale factors, ratios, and proportions.			6 Questions

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Strand: DATA ANALYSIS AND PROBABILITY
Standard: Students will understand how to formulate questions, analyze data, and determine probabilities.

5-8 Benchmark D.1: Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.

Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
7.D.1.1	Describe how data representations influence interpretation.			
7.D.1.2	Select and use appropriate representation for presenting collected data and justify the selection.			
7.D.1.3	Use measures of central tendency and spread to describe a set of data.			2 Questions
7.D.1.4	Choose between median and mode to describe a set of data and justify the choice for a particular situation.			2 Questions
7.D.1.5	Determine the quartiles of a data set.			
7.D.1.6	Identify ordered pairs of data from a graph and interpret the data in terms of the situation depicted by the graph.			
7.D.1.7	Use various scales and formats to display the same data set.			
7.D.1.8	Identify and explain the misleading representations of data.			
7.D.1.9	Collect, organize, and represent data sets that have one or more variables and identify relationships among variables within a data set.			
7.D.1.10	Compute the minimum, lower quartile, median, upper quartile, and maximum of a data set.			
7.D.1.11	Identify and explain the effects of scale and/or interval changes on graphs of whole number data sets.			
7.D.1.12	Use and explain sampling techniques (e.g., observations, surveys, and random sampling) for gathering data.			
7.D.1.13	Analyze problems by identifying relationships, distinguishing relevant from irrelevant information, identifying missing information, and selecting, collecting, and displaying appropriate data to address the problem.		1 Question	3 Questions

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Performance Standards		Fall Assessment	Winter Assessment	Spring Assessment
5-8 Benchmark D.2: Select and use appropriate statistical methods to analyze data.				
7.D.2.1	Choose and justify appropriate measures of central tendencies (e.g., mean, median, mode, range) to describe given or derived data.			3 Questions
7.D.2.2	Know various ways to display data sets (e.g., stem and leaf plot, box and whisker plot, scatter plots) and use these forms to display a single set of data or to compare two sets of data.			
7.D.2.3	Use the analysis of data to make convincing arguments.			1 Question
7.D.2.4	Use appropriate technology to gather and display data sets and identify the relationships that exist among variables within the data set.			
7.D.2.5	Use data samples of a population and describe the characteristics and limitations of the sample.			
7.D.2.6	Identify data that represent sampling errors and explain why the sample and the display might be biased.			
7.D.2.7	Identify claims based on statistical data and evaluate the validity of the claims.			1 Question
5-8 Benchmark D.3: Develop and evaluate inferences and predictions that are based on data.				
7.D.3.1	Formulate and justify mathematical conjectures based on data and a general description of the mathematical question or problem posed.			
7.D.3.2	Analyze data to make accurate inferences, predictions, and to develop convincing arguments from data displayed in a variety of forms.		2 Questions	2 Questions
7.D.3.3	Approximate a line of best fit for a data set in a scatter plot form and make predictions using the simple equation of that line.			
5-8 Benchmark D.4: Understand and apply basic concepts of probability.				
7.D.4.1	Determine the probability of a compound event composed of two independent events.			
7.D.4.2	Identify examples of events having the probability of one or zero.			
7.D.4.3	Describe the probability of events using fractions, decimals, and percents.			

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7.D.4.4	Express probability as a fraction, zero, or one.			
7.D.4.5	Use probability to generate convincing arguments, draw conclusions, and make decisions in a variety of situations.			
7.D.4.6	Make predictions based on theoretical probabilities of compound events.			3 Questions
7.D.4.7	Determine the probability of a simple event or a compound event composed of simple, independent events.			2 Questions

Summary of the Seventh Grade SCA Standards Alignment

Fall Middle School Short Cycle Assessment (MSSCA) = 37 Questions

Key= NM State Math Standard (number of items on the MSSCA)
Strand: Number and Operations = 15 questions
6.N.1.2 (2); 6.N.2.4(1); 6.N.2.5 (3); 6.N.2.6 (1); 6.N.3.5 (5); 6.N.3.7 (3);
Strand: Algebra = 7 questions
6.A.1.5 (4); 6.A.2.2(1); 6.A.2 .3 (1); 6.A.2.4 (1)
Strand: Geometry = 4 questions
6.G.1.1 (1); 6.G.1.2 (1); 6.G.1.7 (1); 7.G.4.2 (1)
Strand: Measurement = 3 questions
6.M.2.1 (1); 6.M.2.2 (2)
Strand: Data and Probability = 8 questions
6.D.1.3 (4); 6.D.2.2 (1); 6.D.3.2 (2); 6.D.4.3 (1)

Winter Middle School Short Cycle Assessment (MSSCA) = 35 Questions

Key= NM State Math Standard (number of items on the MSSCA)
Strand: Number and Operations = 8 questions
7.N.1.3 (2); 7.N.2.3 (3); 7.N.3.2 (3)
Strand: Algebra = 10 questions
7.A.1.2(1); 7.A.2.1 (4); 7.A.2.2(1); 7.A.2.3(1); 7.A.2.4(2); 7.A.4.3(1)
Strand: Geometry = 12 questions
7.G.1.1 (4); 7.G.1.2 (1); 7.G. 3.1 (3); 7.G.4.1 (4)
Strand: Measurement = 2 questions
7.M.1.1 (1); 7.M.2.2 (1)
Strand: Data and Probability = 3 questions
7.D.1.13 (1); 7.D.3.2 (2)

Spring Middle School Short Cycle Assessment (MSSCA) = 44 Questions

Key= NM State Math Standard (number of items on the MSSCA)
Strand: Number and Operations = 12 questions
7.N.2.1 (3); 7.N.2.3(1); 7.N.2.5 (1); 7.N.2.9 (5); 7.N.3.2(2)
Strand: Algebra = 7 questions
7.A.1.2 (1); 7.A.1.6 (1); 7.A.2.3 (2); 7.A.2.4 (3)
Strand: Geometry = 0 questions
Strand: Measurement = 6 questions
7.M.2.3 (6)
Strand: Data and Probability = 19 questions
7.D.1.3 (2); 7.D.1.4 (2); 7.D.1.13 (3); 7.D.2.1 (3); 7.D.2.3 (1); 7.D.2.7(1); 7.D.3.2(2);
7.D.4.6 (3); 7.D.4.7 (2)