Nebraska State Accountability - Mathematics (NeSA-M) Table of Specifications

Grade 3

NUMBER SENSE

Gr3 Number System	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.1.1 Students will represent and show relationships among positive rational numbers within the base-ten number system.					
MA 3.1.1.a Read and write numbers to one-hundred thousand.	Assessed at the local level				
MA 3.1.1.b Count by multiples of 5 to 200	Assessed at the local level				
MA 3.1.1.c Count by multiples of 10 to 400	Assessed at the local level				
MA 3.1.1.d Count by multiples of 100 to 1000	Assessed at the local level				
MA 3.1.1.e Demonstrate multiple equivalent representations for numbers up to 10,000	1	3-5	0	0	3-5
MA 3.1.1.f Demonstrate multiple equivalent representations for decimals numbers through the tenths place.	Assessed at the local level				
MA 3.1.1.g Compare and order whole numbers through the thousands	1	4-6	0	0	4-6
MA 3.1.1.h Find parts of whole and parts of a set for 1/2, 1/3, or 1/4	2	0-1	3-5	0	3-6
MA 3.1.1.i Round a given number to tens, hundreds, or thousands	1	1-3	0	0	1-3
Gr3 Operations	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.1.2 Students demonstrate the meaning of multiplication with whole numbers.					
MA 3.1.2.a Represent multiplication as repeated addition using objects, drawings, words, and symbols	2	0-1	1-2	0	1-3
MA 3.1.2.b Use objects, drawings, words, and symbols to explain the relationship between multiplication and division	Assessed at the local level				
MA.3.1.2.c Use drawings, words and symbols to explain the meaning of the factors and product in a multiplication sentence	Assessed at the local level				
MA.3.1.2.d Use drawings, words, and symbols to explain the meaning of multiplication using an array	2	0-1	1-2	0	1-3

Gr3 Computation	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.1.3 Students will compute fluently and accurately using appropriate strategies and tools.					
MA 3.1.3.a Compute whole number multiplication facts 0- 10 fluently	Assessed at the local level				
MA 3.1.3.b Add and subtract through four-digit whole numbers with regrouping	Assessed at the local level				
MA 3.1.3.c Select and apply the appropriate methods of computation when problem solving with four-digit whole numbers through the thousands	Assessed at the local level				
Gr3 Estimation	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.1.4 Students will estimate and check reasonableness of answers using appropriate strategies and tools.					
MA 3.1.4.a Estimate the two-digit product of whole number multiplication and check the reasonableness	Assessed at the local level				

GEOMETRIC/MEASUREMENT CONCEPTS

Gr3 Characteristics	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.2.1 Students will identify characteristics and describe properties of two-dimensional shapes and three-dimensional objects.					
MA 3.2.1.a Identify the number of sides, angles, and vertices of two-dimensional shapes	1	2-4	0	0	2-4
MA 3.2.1.b Identify congruent two-dimensional figures given multiple two-dimensional shapes	1	1-2	0	0	1-2
MA 3.2.1.c Identify lines, line segments, rays, and angles	Assessed at the local level				
MA 3.2.1.d Describe attributes of solid shapes	Assessed at the local level				
Gr3 Coordinate Geometry	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.2.2 Students will identify distances on a number line.					
MA 3.2.2.a Draw a number line and plot points	Assessed at the local level				
MA 3.2.2.b Determine the distance between two whole number points on a number line	1	1-3	0	0	1-3
Gr3 Transformations	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total

MA 3.2.3 Students will draw all lines of symmetry.					
MA 3.2.3.a Draw all possible lines of symmetry in two- dimensional shapes	Assessed at the local level				

Gr3 Spatial Modeling	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.2.4 Students will create two-dimensional shapes and three-dimensional objects.					
MA 3.2.4.a Sketch and label lines, rays, line segments, and angles	Assessed at the local level				
MA 3.2.4.b Build three-dimensional objects	Assessed at the local level				

Gr3 Measurement	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.2.5 Students will apply appropriate procedures and tools to determine measurements using customary and metric units.					
3.2.5.a Select and use appropriate tools to measure perimeter of simple two-dimensional shapes	Assessed at the local level				
MA 3.2.5.b Count mixed coins and bills greater than $1.00	Assessed at the local level				
MA 3.2.5.c Identify time of day	Assessed at the local level				
MA 3.2.5.d State multiple ways for the same time using 15 minute intervals	Assessed at the local level				
MA 3.2.5.e Identify the appropriate customary unit for measuring length, weight, and capacity/volume	1	2-4	0	0	2-4
MA 3.2.5.f Measure length to the nearest 1/2 inch and centimeter	Assessed at the local level				
MA 3.2.5.g Compare and order objects according to length using centimeters and meters	1	1-3	0	0	1-3

ALGEBRAIC CONCEPTS					

Gr3 Relationships	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.3.1 Students will represent relationships.					
MA 3.3.1.a Identify, describe, and extend numeric and non-numeric patterns	1	1-3	0	0	1-3
MA 3.3.1.b Identify patterns using words, tables, and graphs	Assessed at the local level				

Gr3 Modeling in Context	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.3.2 Students will create and use models to represent mathematical situations.					

	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.3.2.a Model situations that involve the addition and subtraction of whole numbers using objects, number lines, and symbols	3	0	1-2	1-2	2-4
MA 3.3.2.b Describe and model quantitative change involving subtraction	Assessed at the local level				

Gr3 Procedures	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.3.3 Students will identify and apply properties of whole numbers to solve equations involving addition and subtraction.					
MA 3.3.3.a Use symbolic representation of the identity property of addition	Assessed at the local level				
MA 3.3.3.b Solve simple one-step whole number equations involving addition and subtraction	1	2-4	0	0	2-4
MA 3.3.3.c Explain the procedure(s) used in solving simple one-step whole number equations involving addition and subtraction	Assessed at the local level				

DATA ANALYSIS/PROBABILITY CONCEPTS

Gr3 Display and Analysis	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.4.1 Students will organize, display, compare, and interpret data.					
MA 3.4.1.a Represent data using horizontal and vertical bar graphs	2	0-1	1-2	0	1-3
MA 3.4.1.b Use comparative language to describe the data	Assessed at the local level				
MA 3.4.1.c Interpret data using horizontal and vertical bar graphs	2	0-1	1-2	0	1-3

Gr3 Predictions and Inferences	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.4.2 Mastery not expected at this level					

Gr3 Probability	Highest DOK Level Tested	DOK 1	DOK 2	DOK 3	Item Total
MA 3.4.3 Students will find and describe experimental probability.					
MA 3.4.3.a Perform simple experiments and describe outcomes as possible, impossible, or certain	Assessed at the local level				