



Nebraska State Kindergarten Math Standards Alignment to Starfall

MA 0.1 NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.

MA.0.1.1 Numeric Relationships: Students will demonstrate, represent, and show relationships among whole numbers within the base-ten number system.

Nebraska Standards	Starfall K Math Alignment
<p>MA 0.1.1.a Perform the counting sequence by counting forward from any given number to 100, by ones. Count by tens to 100 starting at any decade number.</p>	<p>Teacher's Guide <i>Read Me First</i> p. 6 - Hundredth Day Chart Teacher's Guide <i>Read Me First</i> p. 9 - Backpack Bear's Math Games: Count to 100 100th Day of School Supplement pp. 2-4 - 100th Day of School Activities Teacher's Guide p. 64 - Daily Routine: Number Line (daily) Teacher's Guide p. 108 - Daily Routines: Number Line (daily) Teacher's Guide p. 115 - Number Bundles Teacher's Guide p. 212 - Counting on from 10-20 Teacher's Guide p. 274 - Count by Fives and Tens Teacher's Guide p. 298 - Counting On Teacher's Guide p. 320 - Counting On from a Given Number Teacher's Guide p. 379 - Counting On Using the Number Line Teacher's Guide p. 546 - Counting on from 10 Teacher's Guide p. 560 - Counting On Starfall.com: Math: Numbers: Train Starfall.com: Math: <i>Numbers</i> Starfall.com: Math: Add & Subtract: Place Value Starfall.com: Math: Kindergarten Mathematics Generators: Counting - Count to 100</p>
<p>MA 0.1.1.b Demonstrate cardinality (i.e. the last number name said indicates the number of objects counted), regardless of the arrangement</p>	<p>Teacher's Guide pp. 87- 88 - The Number Seven Teacher's Guide p.120 - Learning Centers: Number Activity Mats</p>

<p>or order in which the objects were counted.</p>	<p>Teacher’s Guide pp. 318-319 - Number Representations 1-5 Teacher’s Guide p. 323 - Match Dominoes to Number Cards Teacher’s Guide pp. 323-324 - Number Representations 6-10 <i>Starfall.com:</i> Math: Numbers</p>
<p>MA 0.1.1.c Use one-to-one correspondence (pairing each object with one and only one spoken number name, and each spoken number name with one and only one object) when counting objects to show the relationship between numbers and quantities of 0 to 20.</p>	<p>Teacher’s Guide <i>Read Me First</i> p. 9 - Backpack Bear’s Math Games - “Race to 20” Teacher’s Guide p. 87 - Using Math Strategies Teacher’s Guide p.92 - Learning Centers: Ways to Represent Numbers Teacher’s Guide pp. 109-110 - One-to-One Correspondence and the Number Nine Teacher’s Guide pp.112-113 - The Number Zero Teacher’s Guide p. 116 - Formative Assessment Teacher’s Guide p. 282 - Seeing Number Patterns <i>Starfall.com:</i> Math: Numbers <i>Starfall.com:</i> Math Songs <i>Starfall.com:</i> Math: Numbers: Count Cookies</p>
<p>MA 0.1.1.d Demonstrate the relationship between whole numbers, knowing each sequential number name refers to a quantity that is one larger.</p>	<p>Teacher’s Guide p. 40 - Daily Routines: Number Line (daily) Teacher’s Guide p. 44 - Daily Routines: Hundreds Chart (daily) Teacher’s Guide p. 60 - Daily Routines: Place Value (daily) Teacher’s Guide p. 81 - Count to Five Teacher’s Guide pp. 84-85 - The Number Six <i>Starfall.com:</i> Math: Numbers <i>Starfall.com:</i> Math Songs</p>
<p>MA 0.1.1.e Count up to 20 objects arranged in a line, a rectangular array, or a circle. Count up to 10 objects in a scattered configuration. Count out the number of objects, given a number from 1 to 20.</p>	<p>Teacher’s Guide p. 60 - Daily Routines: Number Line - “How Many Days Have We Been in School?” Teacher’s Guide p. 277 - Learning Centers: Race to 20 Teacher’s Guide pp. 354-356 - Arrays to 20 Teacher’s Guide pp. 357-359 - Subitizing and Array Review Teacher’s Guide p. 360 - Learning Center: Arrays</p>
<p>MA 0.1.1.f Write numbers 0 to 20 and represent a number of objects with a written numeral 0 to 20.</p>	<p>Teacher’s Guide pp. 199 - 248 - Unit 5: Troublesome Teens Teacher’s Guide pp. 246-247 - Introduce 20 Teacher’s Guide p. 248 - Learning Centers: Computer Teacher’s Guide p. 248 - Learning Centers: A Walk in the Park Teacher’s Guide p. 249 - Learning Centers: Dot-to-Dot (1-20) Teacher’s Guide pp. 546-547- Numbers 10-20 Backpack Bear’s Math Workbook 1 - Numbers 1 - 20</p>
<p>MA 0.1.1.g Compose and decompose numbers from 11 to 19 into ten ones and some more ones by a drawing, model, or equation (e.g., $14 = 10 + 4$) to record each composition and</p>	<p>Teacher’s Guide pp. 546-547 - Numbers 10-20 Teacher’s Guide pp. 548-549 - Recognize Numbers and Sets of 10 to 20 Teacher’s Guide pp. 550-551 - Teens Practice</p>

decomposition.	Teacher's Guide pp. 552-553 - Place Value Teacher's Guide p. 555 - Learning Centers: Summative Assessment <i>Starfall.com</i> : Math: Add & Subtract: Place Value <i>Starfall.com</i> : Math: Add & Subtract: Addition Within 20 <i>Starfall.com</i> : Math: Add & Subtract: Subtraction: Within 20 <i>Starfall.com</i> : Math: Add & Subtract: Compose/Decompose
MA 0.1.1.h Compare the number of objects in two groups by identifying the comparison as greater than, less than, or equal to by using strategies of matching and counting.	Teacher's Guide p. 155 - Evaluate Most, Least, and Same Teacher's Guide pp. 156-158 - Greater Than and Less Than Teacher's Guide pp. 187-188 - Using Ten Frames to Demonstrate More Teacher's Guide p. 189 - Number Line Riddles Teacher's Guide p. 288 - One Less Teacher's Guide p. 342 - One More/One Less Teacher's Guide p. 415 - Pocket Chart Game Teacher's Guide p. 490 - Creating Equal Groups Teacher's Guide p. 633 - How Many More or Less? <i>Starfall.com</i> : Math: Greater Than/Less Than
MA 0.1.1.i Compare the value of two written numerals between 1 and 10.	Teacher's Guide p. 128 - Less Than Teacher's Guide p. 132 - One More Teacher's Guide p. 187 - "Thumbs Up/Thumbs Down" Teacher's Guide p. 195 - Learning Centers: Banker, Customer - "High/Low" Teacher's Guide p. 265 - Number Sense Teacher's Guide p. 415 - Mystery Number Game <i>Starfall.com</i> : Math: Add & Subtract: Base Ten Practice

MA 0.1.2 Operations: Students will demonstrate the meaning of addition and subtraction with whole numbers and compute accurately

Nebraska Standards	Starfall K Math Alignment
MA 0.1.2.a Fluently (i.e. automatic recall based on understanding) add and subtract within 5.	Teacher's Guide p. 466 - Addition and Subtraction Equation Cards Teacher's Guide p. 469 - What's My Sign? Teacher's Guide p. 475 - Learning Centers: Flash Card Game Teacher's Guide p. 622 - Addition Game Day Teacher's Guide p. 623 - Subtraction Ball Toss Teacher's Guide p. 625 - Play "What's the Operation?" Teacher's Guide p. 625 - What's the Operation? Teacher's Guide pp. 632-633 - Addition and Subtraction <i>Starfall.com</i> : Math: Add & Subtract: Addition Intro <i>Starfall.com</i> : Math: Add & Subtract: Addition Within 10 <i>Starfall.com</i> : Math: Add & Subtract: Addition Practice <i>Starfall.com</i> : Math: Add & Subtract: Subtraction Intro <i>Starfall.com</i> : Math: Add & Subtract: Subtraction Within 10 <i>Starfall.com</i> : Math: Add & Subtract: Subtraction Practice

MA 0.2 ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.

MA 0.2.1 Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions and equations.

Nebraska Standards	Starfall K Math Alignment
<p>MA 0.2.1.a Decompose numbers less than or equal to 10 into pairs in more than one way, showing each decomposition with a model, drawing, or equation (e.g., $7 = 4 + 3$ and $7 = 1 + 6$).</p>	<p>Teacher’s Guide pp. 350 - Number Bonds to 10 Teacher’s Guide pp. 351-352 - Review Number Bonds Teacher’s Guide p. 353 - Write Equations for Ten Teacher’s Guide p. 377 - Using Counters and Ten-Frames Teacher’s Guide p. 384 - Learning Centers: Shake, Spill, and Add Teacher’s Guide p. 400 - Create Addition Problems to 10 Teacher’s Guide pp. 452-453 - Review Addition Teacher’s Guide pp. 468-469 - Creating Addition and Subtraction Equations Teacher’s Guide pp. 620-621 -Composing and Decomposing Numbers 6-10 Starfall.com: Math: Add & Subtract: Compose/Decompose Tens and Ones Starfall.com: Math: Add & Subtract: Math Helpers</p>
<p>MA 0.2.1.b For any number from 1 to 9, find the number that makes 10 when added to the given number, showing the answer with a model, drawing, or equation.</p>	<p>Teacher’s Guide p. 352 - Hanger Activity to 10 Teacher’s Guide pp. 374-375 - Introduction to Addition Teacher’s Guide pp. 381-383 - Act It Out! Teacher’s Guide pp. 453-454 - Ways to Write an Addition Equation/Writing Equations/Solving Addition Equations Teacher’s Guide p. 468 - Plus and Minus Game Teacher’s Guide p. 474 - Addition and Subtraction Journal Page Teacher’s Guide p. 508 - Missing Number Starfall.com: Math: Add & Subtract: Math Helpers Starfall.com: Math: Add & Subtract: Make 10 Numbers Starfall.com: Math: Make 10 Objects</p>

MA 0.2.2 Algebraic Processes: Students will apply the operational properties when adding and subtracting.

No additional indicator(s) at this level.

MA 0.2.3 Applications: Students will solve real-world problems involving addition and subtraction.

Nebraska Standards	Starfall K Math Alignment
<p>MA 0.2.3.a Solve real-world problems that involve addition and subtraction within 10 (e.g., by using objects, drawings or equations to represent the problem).</p>	<p>Teacher's Guide pp. 377-378 - Using Counters and Ten-Frames Teacher's Guide pp. 382-383 - Create an Addition Story; Drawing Pictures Teacher's Guide p. 383 - Solve Number Stories Teacher's Guide p. 396 - Story Maps Teacher's Guide pp. 418-419 - Subtraction Practice Teacher's Guide pp. 420-421 - Five Little Teddy Bear Subtraction Teacher's Guide p. 422 - Learning Centers: Add and Subtract Starfall.com: Math: Addition & Subtraction: Addition Intro Starfall.com: Math: Addition & Subtraction: Addition Practice Starfall.com: Math: Addition & Subtraction: Addition Within 10 Starfall.com: Math: Addition & Subtraction: Subtraction Intro Starfall.com: Math: Addition & Subtraction: Subtraction Within 10 Starfall.com: Math: Add & Subtract: Word Problems Starfall.com: Math: Addition & Subtraction: Word Problems Add To: Change Unknown</p>

MA 0.3 GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.

MA 0.3.1 Characteristics: Students will identify and describe geometric characteristics and create two- and three-dimensional shapes.

Nebraska Standards	Starfall K Math Alignment
<p>MA 0.3.1.a Describe real-world objects using names of shapes, regardless of their orientation or size (e.g., squares, circles, triangles, rectangles, hexagons, cubes, cones, spheres, and cylinders).</p>	<p>Teacher's Guide pp. 18-19 - Review One, Preview Two (Properties of a circle) Teacher's Guide pp. 21-22 - Preview Three (Properties of a Triangle) Teacher's Guide pp. 24-25 - Preview Four (Properties of a rectangle and square) Teacher's Guide p. 134 - Computer Center Teacher's Guide p. 150 - Identify shapes in the Environment Teacher's Guide pp. 265-266 - Shape Properties Starfall.com: Math - Geometry and Measurement: Triangles & Make Shapes Starfall.com: Math - Geometry and Measurement: Puzzles Starfall.com: Math - Geometry and Measurement: 2D/3D Shapes</p>

<p>MA 0.3.1.b Identify shapes as two-dimensional (“flat”) or three-dimensional (“solid”).</p>	<p>Teacher’s Guide pp. 265-267 - Shape Properties Teacher’s Guide pp. 268-269 - Introduce Cube Teacher’s Guide pp. 271-273 - Introduce the Rectangular Prism Teacher’s Guide pp. 274-275 - Introduce the Cone Teacher’s Guide pp. 282-283 - Introduce the Cylinder Teacher’s Guide p. 284 -Introduce the Sphere Teacher’s Guide pp. 286-287 - Introduce the Square Pyramid Teacher’s Guide p. 302 - Sorting 2D and 3D Shapes Starfall.com: Math: Geometry and Measurement: 2D/3D Sort Starfall.com: Math: Geometry and Measurement: 2-D/3D Shapes Starfall.com: Math: Geometry and Measurement: 3D Space</p>
<p>MA 0.3.1.c Compare and analyze two- and three-dimensional shapes, with different sizes and orientations to describe their similarities, differences, parts (e.g., number “corners”/vertices), and other attributes (e.g., sides of equal length).</p>	<p>Teacher’s Guide pp. 265-266 - Shape Properties Teacher’s Guide p. 269 - Introduce the Math Net Teacher’s Guide p. 272- Introduce the Rectangular Prism Math Net Teacher’s Guide p. 275 - Introduce the Cone Math Net Teacher’s Guide p. 282 - Introduce the Cylinder Math Net Teacher’s Guide p. 283 - Properties of a Cylinder Teacher’s Guide p. 285 - Compare Circles and Spheres Teacher’s Guide p. 287 - Introduce the Square Pyramid Math Net Teacher’s Guide p. 289 - Sort Items Into Groups Teacher’s Guide pp. 296-297 -<i>Backpack Bear’s Treasure Hunt</i> Teacher’s Guide p. 301 - Graphing 3-D Shapes Teacher’s Guide p. 303 - Distinguishing 2D and 3D Shapes</p>
<p>MA 0.3.1.d Model shapes found in the real world by building shapes from materials (e.g., clay and pipe cleaners) and drawing shapes.</p>	<p>Teacher’s Guide p. 151 - Draw Shapes Teacher’s Guide p. 267 - Draw Shapes with Shaving Cream Teacher’s Guide p. 276 - Learning Centers: Play Dough Shape Town Teacher’s Guide p. 297 - Draw Shapes Teacher’s Guide p. 304 - Learning Centers:Play Dough 3-D Shapes Teacher’s Guide p. 304 - Learning Centers: Constructing 3-D Shapes</p>
<p>MA 0.3.1.e Combine simple shapes to compose larger shapes (e.g., use triangle pattern blocks to build a hexagon).</p>	<p>Teacher’s Guide p. 134 - Computer Center Teacher’s Guide pp. 265-266 - Shape Properties Teacher’s Guide p. 273 - Cubes and Rectangular Prisms Starfall.com: Math: Geometry and Measurement: Triangles & Make Shapes Starfall.com: Math: Geometry and Measurement: Puzzles</p>

MA 0.3.2 Coordinate Geometry: Students will determine location, orientation, and relationships on the

coordinate plane.

Nebraska Standards	Starfall K Math Alignment
MA 0.3.2.a Describe the relative positions of objects (e.g., above, below, beside, in front of, behind, next to, between).	Teacher's Guide pp.128-129 - Ordinal Numbers Teacher's Guide pp. 152-153 - Introduce Positional Words Teacher's Guide p. 160 - Positional Words Teacher's Guide p. 623 - Position Words

MA 0.3.3 Measurement: Students will perform and compare measurements and apply formulas.

Nebraska Standards	Starfall K Math Alignment
MA 0.3.3.a Describe measurable attributes of real-world objects (e.g., length or weight).	Teacher's Guide pp. 126-127 - Measurement Teacher's Guide pp. 132-133 - Sort by Attribute Teacher's Guide pp. 508-509 - Measure Distance Teacher's Guide pp. 510-511 - Classroom Size Comparison Teacher's Guide pp. 512-514 - Comparing Surface Area <i>Starfall.com:</i> Math: Geometry & Measurement: Measurement <i>Starfall.com:</i> Math: Geometry & Measurement: Weight
MA 0.3.3.b Compare length and weight of two objects (e.g., longer/shorter, heavier/lighter).	Teacher's Guide pp. 28-29 - Introduce Measuring with Rectangles, Match Lengths, Compare Rectangles Teacher's Guide pp. 126 - 127 - Introduce Measurement Teacher's Guide p. 268 - Taller or Shorter? Teacher's Guide p. 284 - One Less Teacher's Guide p. 285 - One More <i>Starfall.com:</i> Math: Geometry & Measurement: Measurement

MA 0.4 DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.

MA 0.4.1 Representations: Students will create displays that represent data.

No additional indicator(s) at this level.

MA 0.4.2 Analysis & Applications: Students will analyze data to address the situation.

Nebraska Standards	Starfall K Math Alignment
MA 0.4.2.a Identify, sort, and classify objects by size, shape, color, and other attributes. Identify objects that do not belong to a particular group and explain the reasoning used.	Teacher's Guide pp. 36-37 - Explore Shapes Teacher's Guide pp. 41-42 - Introduce Octagon and Review 2D Shapes Teacher's Guide pp. 132-133 - Sort By Attribute Teacher's Guide p. 134 - Learning Centers: Sorting Objects Teacher's Guide pp. 288-289 - 3-D Shape Museum Day Teacher's Guide p. 290 - Sorting Shapes

MA 0.4.3 Probability: Students will interpret and apply concepts of probability.

No additional indicator(s) at this level.

*The standards in this document were copied directly from *Nebraska's College and Career Ready Standards for Mathematics*.