

**Riverdeep Destination Math**  
**Aligned to Alaska Math Grade Level Expectations**  
**March 2007**



Alaska Math Academic Content Standards	Destination Math
<b>FIRST GRADE</b>	
<b>Content Standard A: Mathematical facts, concepts, principles, and theories</b>	
<b>Numeration: Understand and use numeration</b>	
<b>Understanding Numbers: The student demonstrates conceptual understanding of whole numbers to one hundred by</b>	
[1] N-1 reading, writing, ordering/counting and modeling correspondence of whole numbers	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Number Sense Unit: Numbers from 1 to 5 Session: Counting from 1 to 5</li> <li>• Module: Number Sense Unit: Numbers from 1 to 5 Session: Creating Sets of 1 to 5</li> <li>• Module: Number Sense Unit: Numbers from 1 to 5 Session: Creating Representations of the Numbers from 1 to 5</li> <li>• Module: Number Sense Unit: Numbers from 1 to 10 Session: Counting from 5 to 10</li> <li>• Module: Number Sense Unit: Numbers from 1 to 10 Session: Creating Sets of 5 to 10</li> <li>• Module: Number Sense Unit: Numbers from 1 to 10 Session: Creating Representations of the Numbers from 5 to 10</li> <li>• Module: Number Sense Unit: Numbers from 1 to 10 Session: One More Than</li> <li>• Module: Number Sense Unit: Numbers from 1 to 10 Session: One Fewer Than and Zero</li> <li>• Module: Number Sense Unit: Numbers to 100 Session: Counting from 10 to 20</li> <li>• Module: Number Sense Unit: Numbers to 100 Session: Counting from 20 to 50</li> <li>• Module: Number Sense Unit: Numbers to 100 Session: Counting from 50 to 100</li> <li>• Module: Number Sense Unit: Numbers to 100 Session: Skip-Counting by Tens and Fives</li> <li>• Module: Number Sense Unit: Numbers to 100 Session: Skip-Counting by Twos</li> <li>• Module: Number Sense Unit: Comparing and Ordering Session: More Than, Less Than, or The Same</li> <li>• Module: Number Sense Unit: Comparing and Ordering Session: Comparing Numbers within 100</li> </ul>
[1] N-2 comparing whole numbers using the words greater than, less than or equal to	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Number Sense Unit: Comparing and Ordering Session: More Than, Less Than, or The Same</li> <li>• Module: Number Sense Unit: Comparing and Ordering Session: Comparing Numbers within 100</li> <li>• Module: Geometry and Measurement Unit: Measurement Session: Weight</li> </ul>
[1] N-3 identifying ordinal position, first to the twentieth (M1.1.4)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Geometry and Measurement Unit: Measurement Session: Clock and Calendar Time</li> </ul>

1 \*Destination Math does not align to all standards. Those standards are not shown on this document. This document is a correlation of Destination Math, to the Alaska Grade Level Expectations 2006.

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<b>Understanding Meaning of Operations: The student demonstrates conceptual understanding of mathematical operations by</b>	
[1] N-6 using objects, pictures, and problem situations to model addition and subtraction of whole numbers (M1.1.3)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Addition and Subtraction Unit: Addition Session: Combining and Joining within 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Comparing within 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Sums within 20</li> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 10</li> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 20</li> </ul>
[1] N-7 identifying groups of objects as repeated addition or equal shares (M1.1.3)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Algebraic Thinking Unit: Patterns and Displays Session: Number Patterns</li> </ul>
<b>Number Theory: The student demonstrates conceptual understanding of number theory by</b>	
[1] N-8 skip counting by 2's to 20 and 5's and 10's to 100 (M1.1.6)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Number Sense Unit: Numbers to 100 Session: Skip-Counting by Tens and Fives</li> <li>• Module: Number Sense Unit: Numbers to 100 Session: Skip-Counting by Twos</li> <li>• Module: Algebraic Thinking Unit: Patterns and Displays Session: Number Patterns</li> </ul>
[1] N-9 identifying odd and even numbers up to 20 (M1.1.6)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Number Sense Unit: Numbers to 100 Session: Skip-Counting by Twos</li> <li>• Module: Algebraic Thinking Unit: Patterns and Displays Session: Number Patterns</li> </ul>
[1] N-10 identifying fact families (M1.1.3)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 10</li> </ul>
<b>Measurement: Select and use systems, units, and tools of measurement</b>	
<b>Measurable Attributes: The student demonstrates understanding of measurable attributes by</b>	
[1] MEA-2 identifying money by its value (e.g., penny, nickel, dime, quarter, dollar) (M2.1.5)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Number Sense Unit: Numbers to 100 Session: Counting from 10 to 20</li> <li>• Module: Geometry and Measurement Unit: Measurement Session: Money</li> </ul>
<b>Measurement Techniques: The student demonstrates ability to use measurement techniques by</b>	
[1] MEA-3 drawing a line segment to the nearest inch (M2.1.3)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Geometry and Measurement Unit: Measurement Session: Length</li> <li>• Module: Geometry and Measurement Unit: Geometry Session: Three-Dimensional Shapes</li> </ul>
[1] MEA-4 telling time to the nearest half hour using analog and digital clocks (M2.1.4)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Geometry and Measurement Unit: Measurement Session: Clock and Calendar Time</li> </ul>
[1] MEA-5 comparing concepts such as: before/after, shorter/longer (M2.1.1)	<b>Course I:</b> <ul style="list-style-type: none"> <li>• Module: Geometry and Measurement Unit: Measurement</li> </ul>

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	<p>Session: Length</p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Measurement Session: Weight</li> <li>Module: Geometry and Measurement Unit: Measurement Session: Clock and Calendar Time</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> </ul>
[1] MEA-6 reading a calendar (distinguishing yesterday, today, and tomorrow) (M2.1.1)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Measurement Session: Clock and Calendar Time</li> </ul>
[1] MEA-7 recognizing money symbols (\$, ¢) (M2.1.5)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Measurement Session: Money</li> </ul>
[1] MEA-8 identifying equal values of a coin up to a dollar (5 pennies = 1 nickel, 5 nickels = 1 quarter) (M2.1.5)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Measurement Session: Money</li> </ul>
<b>Estimation and Computation: Perform basic arithmetic functions, make reasoned estimates, and select and use appropriate methods or tools</b>	
<b>Estimation: The student determines reasonable answers to real-life situations, paper/pencil computations, or calculator results by</b>	
[1] E&C-1 estimating "how many" and "how much" in a given set up to 20	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20</li> </ul>
[1] E&C-2 identifying whether estimation or counting is appropriate with support (M3.1.1)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20</li> </ul>
<b>Computation: The student accurately solves problems (including real-world situations) involving</b>	
[1] E&C-3 recalling addition and subtraction facts 0-10 (M3.1.2)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Addition and Subtraction Unit: Addition Session: Combining and Joining within 10</li> <li>Module: Addition and Subtraction Unit: Addition Session: Comparing within 10</li> <li>Module: Addition and Subtraction Unit: Subtraction Session: Differences within 10</li> </ul>
<b>Functions and Relationships: Represent, analyze, and use patterns, relations, and functions</b>	
<b>Describing Patterns and Functions: The student demonstrates conceptual understanding of functions, patterns, or sequences by</b>	
[1] F&R-1 identifying, naming (e.g., aabb, abab), and continuing a variety of patterns (M4.1.1)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Number Patterns</li> </ul>
[1] F&R-2 creating patterns involving number, shape, size, rhythm, or color (M4.1.1)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Number Patterns</li> </ul>
<b>Modeling and Solving Equations and Inequalities: The student demonstrates algebraic thinking by</b>	
[1] F&R-3 adding and subtracting whole numbers to 20 using manipulatives to solve	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Addition and Subtraction Unit: Addition Session:</li> </ul>

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<p>story problems (M4.1.4)</p>	<ul style="list-style-type: none"> <li>Combining and Joining within 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Comparing within 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Sums within 20</li> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 10</li> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 20</li> <li>• Module: Algebraic Thinking Unit: Patterns and Displays Session: Number Patterns</li> </ul>
<p>[1] F&amp;R-4 creating and solving problems using words, symbols, and drawings (M4.1.4)</p>	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>• Module: Number Sense Unit: Numbers from 1 to 5 Session: Creating Representations of the Numbers from 1 to 5</li> <li>• Module: Number Sense Unit: Numbers from 1 to 10 Session: Creating Representations of the Numbers from 5 to 10</li> <li>• Module: Number Sense Unit: Comparing and Ordering Session: More Than, Less Than, or The Same</li> <li>• Module: Number Sense Unit: Comparing and Ordering Session: Comparing Numbers within 100</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Combining and Joining within 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Comparing within 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Sums within 20</li> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 10</li> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 20</li> <li>• Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> </ul>
<p>[1] F&amp;R-5 using the terms equal to, more than, and less than for numbers up to 20 (M4.1.4)</p>	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>• Module: Number Sense Unit: Comparing and Ordering Session: More Than, Less Than, or The Same</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Comparing within 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> </ul>
<p><b>Geometry: Construct, transform, and analyze geometric figures.</b></p>	
<p><b>Geometric Relationships: The student demonstrates an understanding of geometric relationships by</b></p>	
<p>[1] G-1 identifying the attributes of 2-dimensional shapes (e.g., a triangle has three sides) (M5.1.1)</p>	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>• Module: Geometry and Measurement Unit: Geometry Session: Triangles and Rectangles</li> <li>• Module: Geometry and Measurement Unit: Geometry Session: Three-Dimensional Shapes</li> <li>• Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> </ul>
<p>[1] G-2 identifying and classifying 2 dimensional shapes through visual</p>	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>• Module: Geometry and Measurement Unit: Geometry</li> </ul>

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observations and properties (e.g., which of these shapes is a triangle) (M5.1.1)	<p>Session: Triangles and Rectangles</p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Geometry Session: Three-Dimensional Shapes</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> </ul>
[1] G-3 relating real-world examples (e.g., a door is shaped like a rectangle) to the ideas and concepts of geometry (M5.1.2)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Geometry Session: Triangles and Rectangles</li> <li>Module: Geometry and Measurement Unit: Geometry Session: Three-Dimensional Shapes</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> </ul>
<b>Similarity, Congruence, Symmetry, and Transformation of Shapes: The student demonstrates conceptual understanding of similarity, congruence, symmetry, or transformations of shapes by</b>	
[1] G-4 comparing shapes in the real world (M5.1.3)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Geometry Session: Triangles and Rectangles</li> <li>Module: Geometry and Measurement Unit: Geometry Session: Three-Dimensional Shapes</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> </ul>
<b>Position and Direction: The student demonstrates understanding of position and direction by</b>	
[1] G-5 modeling directional and positional concepts: before, after, between, next to, around, above, below, in the middle of... (M5.1.6)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Measurement Session: Clock and Calendar Time</li> <li>Module: Geometry and Measurement Unit: Geometry Session: Triangles and Rectangles</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> </ul>
<b>Construction: The student demonstrates a conceptual understanding of geometric drawings or constructions by</b>	
[1] G-6 drawing, copying, or describing a variety of shapes (M5.1.7)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Geometry Session: Triangles and Rectangles</li> <li>Module: Geometry and Measurement Unit: Geometry Session: Three-Dimensional Shapes</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> </ul>
[1] G-7 identifying geometric shapes in real-world objects (M5.1.7)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Geometry and Measurement Unit: Geometry Session: Triangles and Rectangles</li> <li>Module: Geometry and Measurement Unit: Geometry Session: Three-Dimensional Shapes</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Shapes</li> </ul>
<b>Statistics and Probability: Formulate questions, gather and interpret data, and make predictions</b>	
<b>Data Display: The student demonstrates an ability to classify and organize data by</b>	
[1] S&P-1 constructing and using real graphs, pictographs, and bar graphs (M6.1.1)	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>Module: Number Sense Unit: Numbers from 1 to 5 Session: Counting from 1 to 5</li> <li>Module: Number Sense Unit: Numbers from 1 to 5 Session: Creating Representations of the Numbers from 1 to 5</li> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Tables and Graphs</li> </ul>

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[1] S&P-2 collecting and recording data (M6.1.1)	<b>Course I:</b> <ul style="list-style-type: none"> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Tables and Graphs</li> </ul>
[1] S&P-3 interpreting data with support (M6.1.1)	<b>Course I:</b> <ul style="list-style-type: none"> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Tables and Graphs</li> </ul>
<b>Analysis and Central Tendency: The student demonstrates an ability to analyze data (comparing, explaining, interpreting, evaluating; or drawing or justifying conclusions) by</b>	
[1] S&P-4 describing information from simple charts/graphs (M6.1.2)	<b>Course I:</b> <ul style="list-style-type: none"> <li>Module: Algebraic Thinking Unit: Patterns and Displays Session: Tables and Graphs</li> </ul>
<b>Content Standards B, C, D, and E: Process skills and abilities</b>	
<b>Applying conceptual knowledge and skills as designated in all strands of Content Standard A by problem solving, communicating, reasoning, and making connections</b>	
<b>Communication: Form and use appropriate methods to define and explain mathematical relationships: The student communicates his or her mathematical thinking by</b>	
[1] PS-2 translating problems from everyday language into math language and symbols (+, -, =) (M8.1.1)	<b>Course I:</b> <ul style="list-style-type: none"> <li>Module: Addition and Subtraction Unit: Addition Session: Combining and Joining within 10</li> <li>Module: Addition and Subtraction Unit: Addition Session: Comparing within 10</li> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20</li> <li>Module: Addition and Subtraction Unit: Subtraction Session: Differences within 10</li> <li>Module: Addition and Subtraction Unit: Subtraction Session: Differences within 20</li> </ul>
<b>Communication: Form and use appropriate methods to define and explain mathematical relationships: The student communicates his or her mathematical thinking by</b>	
[1] PS-3 using everyday language to explain thinking about problem solving strategies and solutions to problems (M8.1.3)	<b>Course I:</b> <ul style="list-style-type: none"> <li>Module: Addition and Subtraction Unit: Addition Session: Combining and Joining within 10</li> <li>Module: Addition and Subtraction Unit: Addition Session: Comparing within 10</li> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20</li> <li>Module: Addition and Subtraction Unit: Subtraction Session: Differences within 10</li> <li>Module: Addition and Subtraction Unit: Subtraction Session: Differences within 20</li> </ul>
<b>Reasoning: Use logic and reason to solve mathematical problems: The student demonstrates an ability to use logic and reason by</b>	
[1] PS-4 explaining why a prediction or solution is reasonable (M9.1.3)	<b>Course I:</b> <ul style="list-style-type: none"> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> <li>Module: Addition and Subtraction Unit: Addition Session: Sums within 20</li> </ul>
[1] PS-5 drawing pictures that support mathematical statements (M9.1.2)	<b>Course I:</b> <ul style="list-style-type: none"> <li>Module: Number Sense Unit: Numbers from 1 to 5 Session: Creating Representations of the Numbers from 1 to 5</li> </ul>

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	<ul style="list-style-type: none"> <li>• Module: Number Sense Unit: Numbers from 1 to 10 Session: Creating Representations of the Numbers from 5 to 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Combining and Joining within 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Comparing within 10</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Sums within 20, with 10 as One Addend</li> <li>• Module: Addition and Subtraction Unit: Addition Session: Sums within 20</li> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 10</li> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 20</li> <li>• Module: Geometry and Measurement Unit: Geometry Session: Triangles and Rectangles</li> <li>• Module: Algebraic Thinking Unit: Patterns and Displays Session: Tables and Graphs</li> </ul>
<p><b>Connections: Apply mathematical concepts and processes to situations within and outside of school. The student understands and applies mathematical skills and processes across the content strands by</b></p>	
<p>[1] PS-6 using real world context (i.e., self, friends, and family) (M10.1.2)</p>	<p><b>Course I:</b></p> <ul style="list-style-type: none"> <li>• Module: Addition and Subtraction Unit: Addition Session: Comparing within 10</li> <li>• Module: Addition and Subtraction Unit: Subtraction Session: Differences within 10</li> </ul>