

A Correlation of

SCOTT FORESMAN ■ ADDISON WESLEY

Mathematics

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to the

Alaska Mathematics Performance Standards

Grades K-5



P/M-2

Introduction

This document demonstrates the high degree of success students will achieve when using **Scott Foresman – Addison Wesley Mathematics** in meeting the objectives of the *Alaska Mathematics Performance Standards*. Correlation page references are to the Teacher Edition, which contains facsimile Pupil Edition pages.

Scott Foresman – Addison Wesley Mathematics was carefully developed to reflect the specific needs of students and teachers at every grade level, while maintaining an overall primary goal: to have math make sense from every perspective. This program is based on scientific research that describes how children learn mathematics well and on classroom-based evidence that validates proven reliability.

● Reaching All Learners

Scott Foresman – Addison Wesley Mathematics addresses the needs of every student through structured instruction that makes concepts easier for students to grasp. Lessons provide step-by-step examples that show students how to think about and solve the problem. Built-in leveled practice in every lesson allows the teacher to customize instruction to match students' abilities. Reaching All Learners, featured in the Teacher Edition, helps teachers meet the diverse needs of the classroom with fun and stimulating activities that are easy to incorporate directly into the lesson plan.

● Test Prep

Scott Foresman - Addison Wesley Mathematics builds understanding through connections to prior knowledge, math strands, other subjects and the real world. It provides practice for maximum results and offers assessment in a variety of ways. Besides carefully placed reviews at the end of each Section, an important Test Prep strand runs throughout the program. Writing exercises prepare students for open-ended and short-or extended-response questions on state and national tests. Spiral review in a test format help students keep their test-taking skills sharp.

● Priority on problem solving:

Problem-solving instruction is systematic and explicit. Reading connections help children with problem-solving skills and strategies for math. Reading for Math Success encourages students to use the reading skills and strategies they already know to solve math problems.

● Instructional Support

In the Teacher Edition, the Lesson Planner provides an easy, at-a-glance planning tool. It identifies objectives, math understandings, focus questions, vocabulary, and resources for each lesson in the chapter. Professional Development at the beginning of each chapter in the Teacher Edition includes a Skills Trace as well as Math Background and Teaching Tips for each section in the chapter.

Ancillaries help to reach all learners with practice, problem solving, hands-on math, language support, assessment and teacher support. Technology resources for both the student and the teacher provide a whole new dimension to math instruction by helping to create motivating and engaging lessons.

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to the
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Grades K - 2

CONTENT STANDARD A1: NUMERATION

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M1.1.1 Read, write, order, count, and model one-to-one correspondence with whole numbers to 100.	<p>K: 53A-53B, 53-54, 55A-55B, 55-56, 57A-57B, 57-58, 59A-59B, 59-60, 61A-61B, 61-62, 65A-65B, 65-66, 69A-69B, 69-70, 77A-77B, 77-78, 79A-79B, 79-80, 81A-81B, 81-82, 83A-83B, 83-84, 85A-85B, 85-86, 91A-91B, 91-92, 93A-93B, 93-94, 103A-103B, 103-104, 105A-105B, 105-106, 107A-107B, 107-108, 109A-109B, 109-110, 111A-111B, 111-112, 117A-117B, 117-118, 289A-289B, 289-290, 291A-291B, 291-292</p> <p>1: R1-R5, R8, 3A-3B, 3-4, 5A-5B, 5-6, 7A-7B, 7-8, 9A-9B, 9-10, 241A-241B, 241-242, 263A-263B, 263-264, 267A-267B, 267-268, 281A-281B, 281-282, 283A-283B, 283-284</p> <p>2: 81A-81B, 81-82, 83A-83B, 83-84, 85A-85B, 85-86, 95A-95B, 95-96, 101A-101B, 101-102, 103A-103B, 103-104</p>
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<p>M1.1.3 Model and explain the processes of addition and subtraction, describing the relationship between the operations.</p>	<p>K: 225A-225B, 225-226, 227A-227B, 227-228, 229A-229B, 229-230, 231A-231B, 231-232, 235A-235B, 235-236, 237A-237B, 237-238, 245A-245B, 245-246, 247A-247B, 247-248, 251A-251B, 251-252, 253A-253B, 253-254, 265A-265B, 265-266, 267A-267B, 267-268, 269A-269B, 269-270, 271A-271B, 271-272, 273A-273B, 273-274</p> <p>1: 45A-45B, 45-46, 47A-47B, 47-48, 49A-49B, 49-50, 51A-51B, 51-52, 53A-53B, 53-54, 61A-61B, 61-62, 63A-63B, 63-64, 65A-65B, 65-66, 67A-67B, 67-68, 69A-69B, 69-70, 91A-91B, 91-92, 93A-93B, 93-94, 95A-95B, 95-96, 97A-97B, 97-98, 103A-103B, 103-104, 105A-105B, 105-106, 107A-107B, 107-108, 125A-125B, 125-126, 127A-127B, 127-128, 129A-129B, 129-130, 137A-137B, 137-138, 139A-139B, 139-140, 141A-141B, 141-142, 417A-417B, 417-418, 419A-419B, 419-420, 425A-425B, 425-426, 435A-435B, 435-436, 437A-437B, 437-438, 439A-439B, 439-440, 443A-443B, 443-444</p> <p>2: 3A-3B, 3-4, 13A-13B, 13-14, 15A-15B, 15-16</p>
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<p>M1.1.5 Identify, model, and label simple fractions, describing and defining them as equal parts of a whole, a region, or a set.</p>	<p>K: 213A-213B, 213-214, 215A-215B, 215-216</p> <p>1: 181A-181B, 181-182, 183A-183B, 183-184, 185A-185B, 185-186, 187A-187B, 187-188</p> <p>2: 269A-269B, 269-270, 271A-271B, 271-272, 273A-273B, 273-274, 275A-275B, 275-276, 277A-277B, 277-278</p>
<p>M1.1.6 Identify, describe, and extend patterns inherent in the number system. Skip count by 2's 5's and 10's. Add and subtract by 10. Identify even and odd numbers.</p>	<p>K: 35A-35B, 35-36, 37A-37B, 37-38, 39A-39B, 39-40, 41A-41B, 41-42, 43A-43B, 43-44, 45A-45B, 45-46, 113A-113B, 113-114, 295A-295B, 295-296</p> <p>1: 181A-181B, 181-182, 183A-183B, 183-184, 185A-185B, 185-186, 187A-187B, 187-188</p> <p>2: 99A-99B, 99-100, 413A-413B, 413-414, 467A-467B, 467-468</p>
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CONTENT STANDARD A2: MEASUREMENT

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M2.1.1 Compare and order objects by various measurable attributes including calendar, temperature, length, weight, capacity, area, and volume.</p>	<p>K: 133A-133B, 133-134, 135A-135B, 135-136, 137A-137B, 137-138, 145A-145B, 145-146, 149A-149B, 149-150</p> <p>1: 365A-365B, 365-366, 369A-369B, 369-370, 371A-371B, 371-372, 373A-373B, 373-374, 375A-375B, 375-376, 383A-383B, 383-</p>

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<p>M2.1.2 Compare objects to standard and non-standard units to identify objects that are greater than, less than, and equal to, a given unit .</p>	<p>K: 139A-139B, 139-140, 147A-147B, 147-148, 151A-151B, 151-152</p> <p>1: 365A-365B, 365-366, 383A-383B, 383-384, 389A-389B, 389-390</p> <p>2: 341A-341B, 341-342, 353A-353B, 353-354, 363A-363B, 363-364</p>
<p>M2.1.3 Choose a unit of measure, estimate the length or weight of objects and then measure to check for reasonableness.</p>	<p>K: 141A-141B, 141-142, 151A-151B, 151-152</p> <p>1: 365A-365B, 365-366, 371A-371B, 371-372, 373A-373B, 373-374, 375A-375B, 375-376, 383A-383B, 383-384, 389A-389B, 389-390</p> <p>2: 343A-343B, 343-344, 345A-345B, 345-346, 347A-347B, 347-348, 365A-365B, 365-366, 367A-367B, 367-368</p>
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<p>M2.1.5 Identify coins, their value, and the value of given sets of coins.</p>	<p>K: 179A-179B, 179-180, 181A-181B, 181-182, 183A-183B, 183-184, 187A-187B, 187-188, 189A-189B, 189-190</p> <p>1: 331A-331B, 331-332, 333A-333B, 333-334, 335A-335B, 335-336, 337A-337B, 337-338, 343A-343B, 343-344, 345A-345B, 345-346, 347A-347B, 347-348</p> <p>2: 109A-109B, 109-110, 111A-111B, 111-112, 113A-113B, 113-114, 115A-115B, 115-116, 117A-117B, 117-118, 121A-121B, 121-122</p>

CONTENT STANDARD A3: ESTIMATION AND COMPUTATION

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M3.1.1 Make reasonable estimates of “how many” and “how much”; estimate the results of simple addition and subtraction problems.</p>	<p>K: 119A-119B, 119-120, 251A-251B, 251-253, 253A-253B, 253-254, 255A-255B, 255-256, 257A-257B, 257-258, 271A-271B, 271-272, 273A-273B, 273-274, 275A-275B, 275-276, 277A-277B, 277-278</p> <p>1: 141A-141B, 141-142, 439A-439B, 439-440</p> <p>2: 141A-141B, 141-142, 149A-149B, 149-150, 191A-191B, 191-192, 229A-229B, 229-230, 429A-429B, 429-430, 445A-445B, 445-446</p>

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<p>M3.1.2 Recall and use basic addition and subtraction facts orally and with paper and pencil without a calculator.</p>	<p>K: 251A-251B, 251-253, 253A-253B, 253-254, 255A-255B, 255-256, 257A-257B, 257-258, 271A-271B, 271-272, 273A-273B, 273-274, 275A-275B, 275-276, 277A-277B, 277-278</p> <p>1: 91A-91B, 91-92, 93A-93B, 93-94, 95A-95B, 95-96, 97A-97B, 97-98, 103A-103B, 103-104, 105A-105B, 105-106, 107A-107B, 107-108, 125A-125B, 125-126, 127A-127B, 127-128, 129A-129B, 129-130, 137A-137B, 137-138, 139A-139B, 139-140, 141A-141B, 141-142</p> <p>2: 43A-43B, 43-44, 45A-45B, 45-46, 47A-47B, 47-48, 49A-49B, 49-50, 51A-51B, 51-52, 53A-53B, 53-54, 57A-57B, 57-58, 61A-61B, 61-62, 63A-63B, 63-64, 65A-65B, 65-66</p>
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<p>M3.1.4 Model multiplication as repeated addition and grouping objects; model division as “sharing equally” and grouping objects.</p>	<p>K: Preparation: 287A-287B, 287-288, 293A-293B, 293-294, 295A-295B, 295-296, 297A-297B, 297-298</p> <p>1: Preparation: 181A-181B, 181-182, 191A-191B, 191-192, 255-256, 257-258, 261-262, 451</p> <p>2: 467A-467B, 467-478, 469A-469B, 469-470, 471A-471B, 471-472, 473A-473B, 473-474, 475A-475B, 475-476, 483A-483B, 483-484</p>

CONTENT STANDARD A4: FUNCTIONS AND RELATIONSHIPS

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M4.1.1 Recognize, describe, create, and extend repeating and increasing patterns with a variety of materials including symbols, objects, and manipulatives.</p>	<p>K: 35A-35B, 35-36, 37A-37B, 37-38, 39A-39B, 39-40, 41A-41B, 41-42, 43A-43B, 43-44, 45A-45B, 45-46, 95A-95B, 95-96, 293A-293B, 293-294, 295A-295B, 295-296, 297-298</p> <p>1: 1I, R11-R14, 27A-27B, 27-28, 29A-29B, 29-30, 33A-33B, 33-34, 243A-243B, 243-244, 255A-255B, 255-256, 257A-257B, 257-258, 261A-261B, 261-262</p> <p>2: 26, 99A-99B, 99-100, 157A-157B, 157-158, 413A-413B, 413-414, 467A-467B, 467-468</p>
<p>M4.1.2 Generate and solve simple functions by identifying and applying addition and subtraction patterns.</p>	<p>K: 287A-287B, 287-288, 293A-293B, 293-294, 295A-295B, 295-296, 297-298</p> <p>1: 255A-255B, 255-256, 257A-257B, 257-258, 261A-261B, 261-262</p> <p>2: 43B, 99A-99B, 99-100, 467A-467B, 467-468</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M4.1.3 Use a calculator to find and extend patterns in the number system.	K: 295B 1: 274 2: 420
M4.1.4 Complete open space sentences with missing numbers; use appropriate vocabulary including greater than, less than, and equal to; and use the correct symbols.	K: 255A-255B, 255-256, 275A-275B, 275-276 1: 49A-49B, 49-50, 51A-51B, 51-52, 57A-57B, 57-58, 65A-65B, 65-66, 67A-67B, 67-68, 83, 96, 126, 133A-133B, 133-134, 279, 422, 428, 476 2: 19A-19B, 19-20, 29A-29B, 29-30, 91, 159A-159B, 159-160, 399, 401A-401B, 401-402, 443A-443B, 443-444, 487A-487B, 487-488

CONTENT STANDARD A5: GEOMETRY

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
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Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M5.1.3 Identify and create examples of line symmetry; compare and describe given circles, triangles, and rectangles as larger, smaller, or congruent.</p>	<p>K: 211A-211B, 211-212 1: 169A-169B, 169-170, 171A-171B, 171-172 2: 257A-257B, 257-258, 261A-261B, 261-262</p>
<p>M5.1.4 Demonstrate conservation of area using drawings or manipulatives.</p>	<p>K: 143A-143B, 143-144 1: 167A-167B, 167-168, 169A-169B, 169-170 2: 255A-255B, 255-256, 351A-351B, 351-352</p>
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CONTENT STANDARD A6: STATISTICS/PROBABILITY

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M6.1.1 Collect, record, organize, display, and explain the classification of data.</p>	<p>K: 203A-203B, 203-204, 205A-205B, 205-206, 207A-207B, 207-208, 209A-209B, 209-210</p> <p>1: 309A-309B, 309-310, 311A-311B, 311-312, 313A-313B, 313-314, 315A-315B, 315-316</p> <p>2: 311A-311B, 311-312, 313A-313B, 313-314, 315A-315B, 315-316, 319A-319B, 319-320, 321A-321B, 321-322, 323A-323B, 323-324, 325A-325B, 325-326, 327A-327B, 327-328</p>
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<p>M6.1.3 Use the terms “maximum” and “minimum” when working with a data set.</p>	<p>K: Preparation: 31-32, 33-34</p> <p>1: Can be developed from: 309A-309B, 309-310, 311A-311B, 311-312, 313A-313B, 313-314</p> <p>2: Can be developed from: 311A-311B, 311-312, 313A-313B, 313-314, 315A-315B, 315-316, 319A-319B, 319-320, 321A-321B, 321-322, 323A-323B, 323-324, 325A-325B, 325-326, 327A-327B, 327-328, 333</p>
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Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
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CONTENT STANDARD B: PROBLEM-SOLVING

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M7.1.1 Formulate problems from practical and mathematical activities.	K: 19A-19B, 19-20, 43A-43B, 43-44, 67A-67B, 67-68, 95A-95B, 95-96, 125A-125B, 125-126, 143A-143B, 143-144, 185A-185B, 185-186, 217A-217B, 217-218, 233A-233B, 233-234, 249A-249B, 249-250, 279A-279B, 279-280, 297A-297B, 297-298 1: 13A-13B, 13-14, 31A-31B, 31-32, 57A-57B, 57-58, 71A-71B, 71-72, 99A-99B, 99-100, 111A-111B, 111-112, 133A-133B, 133-134, 143A-143B, 143-144, 177A-177B, 177-178, 191A-191B, 191-192, 215A-215B, 215-216, 223A-223B, 223-224, 251A-251B, 251-252, 261A-261B, 261-262, 291A-291B, 291-292, 317A-317B, 317-318, 339A-339B, 339-340, 351A-351B, 351-352, 369A-369B, 369-370, 379A-379B, 379-380, 431A-431B, 431-432, 445A-445B, 445-446, 467A-467B, 467-468, 481A-481B, 481-482 2: 9A-9B, 9-10, 19A-19B, 57A-57B, 57-58, 67A-67B, 67-68, 89A-89B, 89-90, 105A-105B, 105-106, 155A-155B, 155-156, 161A-161B, 161-162, 189A-189B, 189-190, 197A-197B, 197-198, 221A-221B, 221-222, 233A-233B, 233-234, 251A-251B, 251-252, 265A-265B, 265-266, 311A-311B, 311-312, 327A-327B, 327-328, 351A-351B, 351-352, 377A-377B, 377-378, 405A-405B, 405-406, 413A-413B, 413-414, 439A-439B, 439-440, 453A-453B, 453-454, 479A-479B, 479-480, 487A-487B, 487-488

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M7.1.2 Develop and apply strategies including guess and check, modeling and acting out, drawings, and extending patterns to solve a variety of problems.</p>	<p>K: 19A-19B, 19-20, 21-22, 43A-43B, 43-44, 47-48, 67A-67B, 67-68, 71-72, 95A-95B, 95-96, 97-98, 125A-125B, 125-126, 127-128, 143A-143B, 143-144, 155-156, 185A-185B, 185-186, 191-192, 217A-217B, 217-218, 233A-233B, 233-234, 239-240, 249A-249B, 249-250, 259-260, 279A-279B, 279-280, 281-282, 297A-297B, 297-298</p> <p>1: 13A-13B, 13-14, 31A-31B, 31-32, 33A-33B, 33-34, 57A-57B, 57-58, 71A-71B, 71-72, 113-113B, 113-114, 133A-133B, 133-134, 143A-143B, 143-144, 145A-145B, 145-146, 177A-177B, 177-178, 191A-191B, 191-192, 193A-193B, 193-194, 215A-215B, 215-216, 223A-223B, 223-224, 229A-229B, 229-230, 251A-251B, 251-252, 261A-261B, 261-262, 269A-269B, 269-270, 291A-291B, 291-292, 317A-317B, 317-318, 319A-319B, 319-320, 339A-339B, 339-340, 369A-369B, 369-370, 379A-379B, 379-380, 405A-405B, 405-406, 431A-431B, 431-432, 445A-445B, 445-446, 447A-447B, 447-448, 467A-467B, 467-468, 481A-481B, 481-482, 483A-483B, 483-484</p> <p>2: 9A-9B, 9-10, 19A-19B, 19-20, 31-32, 57A-57B, 57-58, 67A-67B, 67-68, 69-70, 89A-89B, 89-90, 105A-105B, 105-106, 123-124, 155A-155B, 155-156, 161A-161B, 161-162, 163-164, 189A-189B, 189-190, 197A-197B, 197-198, 199-200, 221A-221B, 221-222, 233A-233B, 233-234, 235-236, 251A-251B, 251-252, 265A-265B, 265-266, 279-280, 311A-311B, 311-312, 327A-327B, 327-328, 329-330, 351A-351B, 351-352, 377A-377B, 377-378, 379-380, 405A-405B, 405-406, 413A-413B, 413-414, 415-416, 439A-439B, 439-440, 453A-453B, 453-454, 455-456, 479A-479B, 479-480, 487A-487B, 487-488, 489-490</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M7.1.3 Predict an answer before solving a problem and compare results to check for reasonableness.</p>	<p>K: 143A-143B, 143-144</p> <p>1: 141A-141B, 141-142, 439A-439B, 439-440</p> <p>2: 175A-175B, 175-176, 177A-177B, 177-178, 179A-179B, 179-180, 181A-181B, 181-182, 185A-185B, 185-186, 187A-187B, 187-188, 189A-189B, 189-190, 191A-191B, 191-192, 193A-193B, 193-194, 227A-227B, 227-228</p>

CONTENT STANDARD C: COMMUNICATION

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M8.1.1 Translate problems from everyday language into math language and symbols.</p>	<p>K: 253A-253B, 253-254, 255A-255B, 255-256, 257A-257B, 257-258, 259A-259B, 259-260, 273A-273B, 273-274, 275A-275B, 275-276, 277A-277B, 277-278</p> <p>1: 14, 46, 66, 80, 114, 138, 146, 178, 188, 194, 220, 230, 252, 270, 294, 310, 314, 320, 340, 354, 356, 368, 382, 406, 426, 434, 448, 470, 482, 484</p> <p>2: 9A-9B, 9-10, 57A-57B, 57-58, 221A-221B, 221-222, 330</p>
<p>M8.1.2 Use manipulatives, models, pictures, and language to represent and communicate mathematical ideas.</p>	<p>K: 27A-27B, 27-28, 29A-29B, 29-30, 31A-31B, 31-32, 33A-33B, 3-34, 53A-53B, 53-54, 53-54, 57A-57B, 57-58, 77A-77B, 77-78, 79A-79B, 79-80, 83A-83B, 83-84, 103A-103B, 103-104, 125A-125B, 125-126, 217A-217B, 217-218, 247A-247B, 247-248, 267A-267B, 267-268, 291A-291B, 291-292</p> <p>1: 13A-13B, 13-14, 111A-111B, 177A-177B, 177-178, 215A-215B, 215-216, 291A-291B, 291-292, 431A-431B, 431-432, 481A-481B, 481-482</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
(continued)	<p>2: 67A-67B, 67-68, 81A-81B, 81-82, 99A-99B, 99-100, 115A-115B, 115-116, 189A-189B, 189-190, 251A-251B, 251-252, 311A-311B, 311-312, 313A-313B, 313-314, 315A-315B, 315-316, 319A-319B, 319-320, 321A-321B, 321-322, 323A-323B, 323-324, 439A-439B, 439-440, 479A-479B, 479-480</p>
<p>M8.1.3 Use everyday language to explain thinking about problem solving strategies and solutions to problems.</p>	<p>K: 19A-19B, 19-20, 27A, 35A, 235A, 237A, 239A, 251A, 255A, 259A, 265A, 267A, 271A, 275A, 279A, 281A</p> <p>1: 5, 11, 13, 17, 27, 29, 31, 91, 93, 103, 139, 157, 161, 169, 171, 188, 205, 207, 243, 291, 299, 301, 313, 317, 323, 337, 343, 351, 354, 371, 373, 385, 401, 409, 426, 434, 459, 467, 470, 484</p> <p>2: 3, 5, 7, 13, 15, 17, 19, 23, 25, 27, 31, 35, 43, 45, 47, 48, 51, 53, 55, 57, 61, 63, 64, 65, 67, 81, 83, 85, 97</p>

CONTENT STANDARD D: REASONING

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M9.1.1 Draw conclusions about mathematical problems.</p>	<p>K: 19A-19B, 19-20, 21A-21B, 21-22, 43A-43B, 43-44, 67A-67B, 67-68, 71-72, 95A-95B, 95-96, 97-98, 125A-125B, 125-126, 127-128, 143A-143B, 143-144, 155-156, 185A-185B, 185-186, 191-192, 217A-217B, 217-218, 233A-233B, 233-234, 239-240, 249A-249B, 249-250, 259-260, 279A-279B, 279-280, 281-282, 297A-297B, 297-298</p> <p>1: 13A-13B, 13-14, 31A-31B, 31-32, 33A-33B, 33-34, 57A-57B, 57-58, 71A-71B, 71-72, 79A-79B, 79-80, 99A-99B, 99-100, 111A-111B, 111-112, 113-113B, 113-114, 133A-133B, 133-134, 143A-143B, 143-144, 145A-145B, 145-146, 177A-177B, 177-178,</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
(continued)	<p>191A-191B, 191-192, 215A-215B, 215-216, 223A-223B, 223-224, 229A-229B, 229-230, 251A-251B, 251-252, 261A-261B, 261-262, 269A-269B, 269-270, 319A-319B, 319-320, 339A-339B, 339-340, 351A-351B, 351-352, 353A-353B, 353-354, 369A-369B, 369-370, 379A-379B, 379-380, 405A-405B, 405-406, 431A-431B, 431-432, 445A-445B, 445-446, 447A-447B, 447-448, 467A-467B, 467-468, 481A-481B, 481-482</p> <p>2: 9A-9B, 9-10, 19A-19B, 19-20, 31-32, 57A-57B, 57-58, 67A-67B, 67-68, 69-70, 89A-89B, 89-90, 105A-105B, 105-106, 123-124, 155A-155B, 155-156, 161A-161B, 161-162, 163-164, 189A-189B, 189-190, 197A-197B, 197-198, 199-200, 221A-221B, 221-222, 233A-233B, 233-234, 235-236, 251A-251B, 251-252, 265A-265B, 265-266, 279-280, 311A-311B, 311-312, 327A-327B, 327-328, 329-330, 351A-351B, 351-352, 377A-377B, 377-378, 379-380, 405A-405B, 405-406, 413A-413B, 413-414, 415-416, 439A-439B, 439-440, 453A-453B, 453-454, 455-456, 479A-479B, 479-480, 487A-487B, 487-488, 489-490</p>
<p>M9.1.2 Find examples that support or refute mathematical statements.</p>	<p>K: 19A-19B, 19-20, 43A-43B, 43-44, 67A-67B, 67-68, 95A-95B, 95-96, 125A-125B, 125-126, 143A-143B, 143-144, 185A-185B, 185-186, 217A-217B, 217-218, 233A-233B, 233-234, 249A-249B, 249-250, 279A-279B, 279-280, 297A-297B, 297-298</p> <p>1: 13A-13B, 13-14, 31A-31B, 31-32, 57A-57B, 57-58, 71A-71B, 71-72, 99A-99B, 99-100, 111A-111B, 111-112, 133A-133B, 133-134, 143A-143B, 143-144, 177A-177B, 177-178, 191A-191B, 191-192, 215A-215B, 215-216, 223A-223B, 223-224, 251A-251B, 251-252, 261A-261B, 261-262, 291A-291B, 291-292, 317A-317B, 317-318, 339A-339B, 339-340, 351A-351B, 351-352, 369A-369B, 369-</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
(continued)	<p>370, 379A-379B, 379-380, 431A-431B, 431-432, 445A-445B, 445-446, 467A-467B, 467-468, 481A-481B, 481-482</p> <p>2: 9A-9B, 9-10, 19A-19B, 57A-57B, 57-58, 67A-67B, 67-68, 89A-89B, 89-90, 105A-105B, 105-106, 155A-155B, 155-156, 161A-161B, 161-162, 189A-189B, 189-190, 197A-197B, 197-198, 221A-221B, 221-222, 233A-233B, 233-234, 251A-251B, 251-252, 265A-265B, 265-266, 311A-311B, 311-312, 327A-327B, 327-328, 351A-351B, 351-352, 377A-377B, 377-378, 405A-405B, 405-406, 413A-413B, 413-414, 439A-439B, 439-440, 453A-453B, 453-454, 479A-479B, 479-480, 487A-487B, 487-488</p>
M9.1.3 Explain why a prediction, estimation, or solution is reasonable.	<p>K: 19A-19B, 19-20, 43A-43B, 43-44, 67A-67B, 67-68, 95A-95B, 95-96, 125A-125B, 125-126, 143A-143B, 143-144, 185A-185B, 185-186, 217A-217B, 217-218, 233A-233B, 233-234, 249A-249B, 249-250, 279A-279B, 279-280, 297A-297B, 297-298</p> <p>1: 5, 7, 297, 299</p> <p>2: 175A-175B, 175-176, 177A-177B, 177-178, 179A-179B, 179-180, 181A-181B, 181-182, 185A-185B, 185-186, 187A-187B, 187-188, 189A-189B, 189-190, 191A-191B, 191-192, 193A-193B, 193-194, 227A-227B, 227-228</p>

CONTENT STANDARD E: CONNECTIONS

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M10.1.1 Apply mathematical skills and processes to literature.</p>	<p>K: 1Q-1R, 7B, 11B, 17B, 25M-25N, 43B, 51M-51N, 57B, 67B, 75M-75N, 83B, 91B, 93B, 95B, 101M-101N, 103B, 111B, 125B, 127B, 131M-131N, 137B, 139B, 145B, 155B, 159M-159N, 165B, 171B, 177B, 191B, 197B, 197M-197N, 205B, 209B, 215B, 217B, 223M-223N, 231B, 237B, 239B, 243M-243N, 251B, 255B, 263M-263N, 269B, 275B, 285M-285N, 291B, 293B</p> <p>1: 1K-1L, 43K-43L, 47B, 53B, 69B, 89K-89L, 91B, 123K-123L, 127B, 155K-155L, 165B, 171B, 185B, 193B, 203K-203L, 205B, 215B, 229B, 239K-239L, 245B, 247B, 249B, 261B, 279K-279L, 319B, 329K-329L, 337B, 343B, 353B, 363K-363L, 395B, 415K-415L, 457K-457L, 477B, 483B</p> <p>2: 1K-1L, 3B, 17B, 41K-41L, 51B, 79K-79L, 121B, 133K-133L, 135B, 159B, 173K-173L, 175B, 209K-209L, 211B, 229B, 245K-245L, 247B, 271B, 289K-289L, 291B, 339K-339L, 341B, 389K-389L, 391B, 425K-425L, 465K-465L, 467B, 485B</p>
<p>M10.1.2 Apply mathematical skills and processes to situations with self and family.</p>	<p>K: 1, 25, 51, 75, 101, 131, 159, 195, 223, 243, 263, 285</p> <p>1: 1, 43, 89, 123, 155, 203, 239, 279, 329, 363, 415, 457</p> <p>2: 1, 41, 79, 133, 173, 209, 245, 289, 339, 389, 425, 465</p>

**Scott Foresman – Addison Wesley Mathematics
to the
Alaska Mathematics Performance Standards**

Grades 3 - 5

CONTENT STANDARD A1: NUMERATION

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M1.2.1 Read, write, model, order, and count with positive whole numbers to 1,000,000 and negative whole numbers.	<p>3: 4A-4B, 4-5, 6A-6B, 6-7, 10A-10B, 10-11, 12A-12B, 12-13</p> <p>4: 4A-4B, 4-7, 8A-8B, 8-9, 22A-22B, 22-23, 16A-16B, 16-19, 34A-34B, 34-37, 66A-66B</p> <p>5: 4A-4B, 4-5, 6A-6B, 6-7, 71A-71B, 71-74</p>
M1.2.2 Use, model, and identify place value positions from 0.001 to 1,000,000.	<p>3: 4A-4B, 4-5, 6A-6B, 6-7, 8A-8B, 8-9, 10A-10B, 10-11, 12A-12B, 12-13, 56A-56B, 56-59, 56A-56B, 56-59</p> <p>4: 4A-4B, 4-7, 8A-8B, 8-9, 10A-10B, 10-11, 62A-62B, 62-65</p> <p>5: 4A-4B, 4-5, 8A-8B, 8-11</p>
M1.2.3 Model and explain the processes of multiplication and division. Describe the relationships among the four basic operations.	<p>3: 70A-70B, 70-71, 260A-260B, 260-261, 262A-262B, 262-265, 370A-370B, 370-371, 372A-372B, 372-373, 384A-384B, 384-385</p> <p>4: 82, 124A-124B, 124-127, 128A-128B, 128-131, 132A-132B, 132-135, 136A-136B, 136-139, 146A-146B, 146-147, 148A-148B, 148-149, 150A-150B, 150-151, 152A-152B, 152-153</p> <p>5: 40A-40B, 40-41, 72A-72B, 72-75, 88A-88B, 88-91, 94A-94B, 94-97, 132A-132B, 132-135, 148A-148B, 148-151, 152A-152B, 152-155, 156A-156B, 156-157, 158A-158B, 158-159, 160A-160B, 160-161, 214A-214B, 214-217, 218A-218B, 218-221, 222A-222B, 222-223, 234A-234B, 234-237</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M1.2.4 Identify and describe different uses for the same numerical representation.	3: 4A-4B, 4-5 4: 200A-200B, 200-201 5: 4A-4B, 4-5, 426A-426B, 426-429
M1.2.5 Model and explain the process of adding and subtracting fractions with common denominators and decimals that represent money.	3: 520A-520B, 520-521, 162A-162B, 162-165 4: 76A-76B, 76-78, 562A-562B, 562-563, 564A-564B, 564-567, 568A-568B, 568-571, 574A-574B, 574-577, 578A-578B, 578-583 5: 38A-38B, 38-39, 40A-40B, 40-41, 460A-460B, 460-461
M1.2.6 Identify and describe factors and multiples including those factors and multiples common to a pair or set of numbers.	3: 260A-260B, 260-261, 277, 314, 368, 384, 402 4: 124, 128, 256A-256B, 256-257, 314A-314B, 314-315, 402A-402B, 402-403, 406A-406B, 406-407 5: 66A-66B, 66-67, 162A-162B, 162-163, 164A-164B, 164-167, 414A-414B, 414-415, 464A-464B, 464-465
M1.2.7 Demonstrate the commutative and identity properties of multiplication.	3: 263, 286A-286B, 286-287 4: 129, 288A-288B, 288-289 5: 66A-66B, 66-67, 76

**MATHEMATICS PERFORMANCE STANDARDS
CONTENT STANDARD A2: MEASUREMENT**

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M2.2.1 Estimate and measure weights, lengths, and temperatures to the nearest unit using the metric and standard systems.</p>	<p>3: 532A-532B, 532-533, 534A-534B, 534-535, 582A-582B, 582-583, 690A-690B, 690-693, 694A-694B, 694-695, 696A-696B, 696-697</p> <p>4: 588A-588B, 588-589, 590A-590B, 590-591, 594A-594B, 594-595, 652A-652B, 652-653, 656A-656B, 656-657, 664A-664B, 664-665</p> <p>5: 528A-528B, 528-531, 534A-534B, 534-535, 568A-568B, 568-569, 620A-620B, 620-621, 622A-622B, 622-623</p>
<p>M2.2.2 Identify and use equivalent measurements (e.g., 60 minutes = 1 hour, 7 days = 1 week).</p>	<p>3: 192, 200, 538, 582, 584, 680, 683, 684, 690, 694</p> <p>4: 192A-192B, 192-195, 200A-200B, 200-201, 588, 592A-592B, 592-593, 594, 596A-596B, 596-598, 652A-652B, 652-653, 654A-654B, 654-655, 656, 658A-658B, 658-660</p> <p>5: 528, 536A-536B, 536-539, 562A-562B, 562-563, 614, 616, 620, 622</p>
<p>M2.2.3 Use a variety of measuring tools; describe the attribute(s) they measure.</p>	<p>3: 464A-464B, 464-465, 468A-468B, 468-471, 472A-472B, 472-473, 532A-532B, 532-533, 680A-680B, 680-683, 690B, 691, 696A-696B, 696-697</p> <p>4: 192A-192B, 192-195, 200A-200B, 200-201, 588, 590A-590B, 590-591, 592A-592B, 592-593, 594B, 652A-652B, 652-653, 654A-654B, 654-655, 656, 664A-664B, 664-665</p> <p>5: 332A-332B, 332-335, 532A-532B, 532-533, 540A-540B, 540-541, 548A-548B, 548-549, 550A-550B, 550-551, 552A-552B, 552-553, 554A-554B, 554-557, 562B, 568A-568B, 568-569, 614A, 616</p>
<p>M2.2.4 Estimate and measure the dimensions of geometric figures.</p>	<p>3: 464A-464B, 464-467</p> <p>4: 464A-464B, 464-467</p> <p>5: 528, 532-533, 534, 541</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M2.2.5 Tell time using analog and digital clocks identifying AM and PM; find elapsed time.</p>	<p>3: 192A-192B, 192-195, 196A-196B, 196-197, 198A-198B, 198-199</p> <p>4: 190A-190B, 190-191, 196A-196B, 196-197</p> <p>5: 562A-562B, 562-563, 564A-564B, 564-567</p>
<p>M2.2.6 Read, write, and use money notation, determining possible combinations of coins and bills to equal given amounts; count back change for any given situation.</p>	<p>3: 36A-36B, 36-39, 40A-40B, 40-41</p> <p>4: 28A-28B, 28-29, 30A-30B, 30-32, 32A-32B, 32-33</p> <p>5: 160A-160B, 160-161</p>

CONTENT STANDARD A3: ESTIMATION AND COMPUTATION

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M3.2.1 Describe and use a variety of estimation strategies including rounding to the appropriate place value, multiplying by powers of 10, and using front-end estimation to check the reasonableness of solutions.</p>	<p>3: 80A-80B, 80-81, 82A-82B, 82-83, 86A-86B, 86-89, 90A-90B, 90-91, 94A-94B, 94-95, 96A-96B, 96-97, 98A-98B, 98-101, 160A-160B, 160-161</p> <p>4: 62A-62B, 62-63, 64A-64B, 64-67, 68A-68B, 68-71, 72A-72B, 72-73, 258A-258B, 258-261, 316A-316B, 316-319, 368A-368B, 368-371, 636A-636B, 636-637</p> <p>5: 28A-28B, 28-31, 68A-68B, 68-70, 86A-86B, 86-87, 138A-138B, 138-143, 204A-204B, 204-209, 474A-474B, 474-475, 494A-494B, 494-495, 672A-672B, 672-675</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M3.2.2 Recall and use basic multiplication and division facts orally, with paper and pencil without a calculator.</p>	<p>3: 276A-276B, 276-279, 280A-280B, 280-281, 282A-282B, 282-283, 286A-286B, 286-287, 288A-288B, 288-291, 292A-292B, 292-293, 316A-316B, 316-317, 318A-318B, 318-319, 320A-320B, 320-323, 324A-324B, 324-327, 328A-328B, 328-331, 386A-386B, 386-387, 388A-388B, 388-389, 390A-390B, 390-391, 392A-392B, 392-393, 396A-396B, 396-397, 402A-402B, 402-403</p> <p>4: 62A-62B, 62-63, 64A-64B, 64-67, 68A-68B, 68-71, 72A-72B, 72-73, 258A-258B, 258-261, 316A-316B, 316-319, 368A-368B, 368-371, 636A-636B, 636-637</p> <p>5: 66A-66B, 66-67, 136A-136B, 136-137</p>
<p>M3.2.3 Add and subtract whole numbers and fractions with common denominators to 12 and decimals, including money amounts, using models and algorithms.</p>	<p>3: 66A-66B, 66-69, 80A-80B, 80-81, 82A-82B, 82-85, 86A-86B, 86-89, 94A-94B, 94-95, 96A-96B, 96-97, 126A-126B, 126-127, 128A-128B, 128-131, 132A-132B, 132-135, 136A-136B, 136-138, 146A-146B, 146-147, 148A-148B, 148-149, 150A-150B, 150-151, 152A-152B, 152-155, 156A-156B, 156-157, 162A-162B, 162-165, 520A-520B, 520-521, 572A-572B, 572-573</p> <p>4: 62A-62B, 62-63, 64A-64B, 64-65, 76A-76B, 76-79, 80A-80B, 80-81, 82A-82B, 82-85, 86A-86B, 86-89, 564A-564B, 564-567, 574A-574B, 574-577, 638A-638B, 638-641, 642A-642B, 642-647</p> <p>5: 36A-36B, 36-37, 38A-38B, 38-39, 40A-40B, 40-41, 460A-460B, 460-461</p>
<p>M3.2.4 Multiply and divide multi-digit whole numbers by 2-digit numbers, limiting the 2-digit divisors to those that end in 0; multiply and divide decimals that represent money by whole numbers.</p>	<p>3: Can be developed from lessons on multiplication and division pp: 632A-632B, 632-635, 652A-652B, 652-655. Formally taught in grade 4 pp: 332A-332B, 332-335, 392A-392B, 392-395, 408A-408B, 408-411</p> <p>4: 332A-332B, 332-335, 408A-408B, 408-411</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
(continued)	5: 72A-72B, 72-75, 202A-202B, 202-203, 214A-214B, 214-217, 218A-218B, 218-221, 224A-224B, 224-225, 230A-230B, 230-231, 232A-232B, 232-233, 234A-234B, 234-237
M3.2.5 Find equivalent fractions. Convert between fractions and mixed numbers.	3: 504A-504B, 504-505, 522A-522B, 522-527 4: 516A-516B, 516-519, 530A-530B, 530-533, 624A-624B, 624-625 5: 400A-400B, 400-401, 412A-412B, 412-413
M3.2.6 Develop and interpret scales and scale models.	3: 213, 228A-228B, 228-231, Scale Models taught in grade 5 pp: 662-665 4: 206-207, 208-211, Scale Models taught in grade 5 pp: 662-665 5: 662A-662B, 662-663

CONTENT STANDARD A4: FUNCTIONS AND RELATIONSHIPS

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M4.2.1 Use patterns and their extensions to make predictions and solve problems; describe patterns found in the number system including those formed by multiples, factors, perfect squares, and powers of 10.	3: 24A-24B, 24-27, 72A-72B, 72-75, 277, 282, 286, 288-289, 332A-332B, 332-335, 340-341, 344-345 4: 10A-10B, 10-11, 90A-90B, 90-91, 366A-366B, 366-367, 641 5: 14A-14B, 14-17, 66A-66B, 66-67, 84A-84B, 84-85, 106A-106B, 106-107, 136A-136B, 136-137, 728A-728B, 728-729
M4.2.2 Generate and solve simple functions by identifying and applying multiplication and division patterns.	3: 277, 282, 286, 288-289, 332A-332B, 332-335, 340A-340B, 340-341, 344A-344B, 344-345 4: 164A-164B, 164-165 5: 106A-106B, 106-107, 728A-728B, 728-729

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M4.2.3 Use a calculator to find a missing item in a number sequence.	3: Can be applied to lessons on patterns pp: 277, 282, 286, 288-289, 340A-340B, 340-341, 344A-344B, 344-345 4: 128B 5: 66, 84, 106B
M4.2.4 Use words, lists, and tables to represent and analyze patterns.	3: 24-27, 277, 282, 286, 288-289, 332A-332B, 332-335, 340A-340B, 340-341, 344A-344B, 344-345 4: 10A-10B, 10-11, 90A-90B, 90-91, 366A-366B, 366-367, 641 5: 14A-14B, 14-17, 66A-66B, 66-67, 84A-84B, 84-85, 106A-106B, 106-107, 136A-136B, 136-137, 728A-728B, 728-729
M4.2.5 Explain the purpose of variables and use them in open sentences to express relationships and describe simple functions.	3: 76A-76B, 76-77, 168A-168B, 168-169, 384A-384B, 384-385 4: 98A-98B, 98-99, 100a-100b, 100-101, 160A-160B, 160-163, 165, 166A-166B, 166-167, 396A-396B, 396-399, 688A-688B, 688-695 5: 100A-100B, 100-103, 104A-104B, 104-105, 106A-106B, 106-107, 706A-706B, 706-709

**MATHEMATICS PERFORMANCE STANDARDS
CONTENT STANDARD A5: GEOMETRY**

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M5.2.1 Identify and compare various triangles and quadrilaterals according to their sides and/or angles.	3: 450A-450B, 450-453, 454A-454B, 454-455 4: 444A-444B, 444-447 5: 342A-342B, 342-345, 346A-346B, 346-351

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M5.2.2 Compare and contrast plane and solid figures (e.g., circle/sphere, square/cube, triangle/pyramid) using relevant attributes, including the number of vertices, edges, and the number and shape of faces.</p>	<p>3: 432A-432B, 432-435 4: 434A-434B, 434-437 5: 594A-594B, 594-597</p>
<p>M5.2.3 Identify and model geometric figures that are congruent, similar, and/or symmetrical.</p>	<p>3: 456A-456B, 456-459, 460A-460B, 460-461 4: 452A-452B, 452-455, 456A-456B, 456-457, 458A-458B, 458-459 5: 360A-360B, 360-363, 368A-368B, 368-371</p>
<p>M5.2.4 Distinguish between area and perimeter; find both using a variety of methods including rulers, grid paper, and tiles.</p>	<p>3: 464A-464B, 464-467, 468A-468B, 468-471 4: 464A-464B, 464-467, 468A-468B, 468-473 5: 540A-540B, 540-541, 548A-548B, 548-549, 550A-550B, 550-551, 552A-552B, 552-553, 554A-554B, 554-557</p>
<p>M5.2.5 Identify and model transformations of geometric figures, describing the motions as slides, flips, or rotations.</p>	<p>3: 456A-456B, 456-459 4: 452A-452B, 452-455 5: 540A-540B, 540-541, 548A-548B, 548-549, 550A-550B, 550-551, 552A-552B, 552-553, 554A-554B, 554-557</p>
<p>M5.2.6 Locate and describe objects in terms of their position with and without compass directions; identify coordinates for a given point or locate points of given coordinates on a grid.</p>	<p>3: 218A-218B, 218-221 4: 212A-212B, 212-215, 692A-692B, 692-695 5: 724A-724B, 724-727, 728A-728B, 728-729</p>
<p>M5.2.7 Sketch and identify line segments, midpoints, intersections, parallel, and perpendicular lines.</p>	<p>3: 442A-442B, 442-443 4: 440A-440B, 440-443 5: 328A-328B, 328-331</p>

CONTENT STANDARD A6: STATISTICS/PROBABILITY

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M6.2.1 Collect, organize, and display data creating a variety of visual displays including tables, charts, and line graphs.</p>	<p>3: 212A-212B, 212-215, 226A-226B, 226-227, 228A-228B, 228-231, 232A-232B, 232-235</p> <p>4: 204A-204B, 204-205, 206A-206B, 206-207, 208A-208B, 208-211, 216A-216B, 216-221, 222A-222B, 222-223, 226A-226B, 226-229, 230A-230B, 230-231</p> <p>5: 260A-260B, 260-261, 262A-262B, 262-265, 266A-266B, 266-269, 270A-270B, 270-275, 286A-286B, 286-287</p>
<p>M6.2.2 Present the data using a variety of appropriate representations and explain the meaning of the data.</p>	<p>3: 204A-204B, 204-207, 208A-208B, 208-210, 212A-212B, 212-215, 226A-226B, 226-227, 228A-228B, 228-231, 232A-232B, 232-235</p> <p>4: 204A-204B, 204-205, 206A-206B, 206-207, 208A-208B, 208-211, 216A-216B, 216-221, 222A-222B, 222-223, 226A-226B, 226-229, 230A-230B, 230-231, 232A-232B, 232-233</p> <p>5: 260A-260B, 260-261, 262A-262B, 262-265, 266A-266B, 266-269, 270A-270B, 270-275, 286A-286B, 286-287</p>
<p>M6.2.3 Describe and interpret a data set using mean, median, mode, and range.</p>	<p>3: 208A-208B, 208-210, 211</p> <p>4: 226A-226B, 226-229</p> <p>5: 270-271, 282A-282B, 282-285</p>
<p>M6.2.4 Estimate whether a game is mathematically fair or unfair; analyze and present probability data using simple fractions.</p>	<p>3: 702A-702B, 702-703</p> <p>4: 700A-700B, 700-703</p> <p>5: 303A-303B, 303-304</p>
<p>M6.2.5 Conduct simple probability experiments using concrete materials and represent the results using fractions and probability.</p>	<p>3: 700A-700B, 700-701, 702A-702B, 702-703, 704A-704B, 704-707</p> <p>4: 700A-700B, 700-703</p> <p>5: 296A-296B, 296-299, 300A-300B, 300-301, 302A-302B, 302-305</p>

CONTENT STANDARD B: PROBLEM-SOLVING

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M7.2.1 Read and summarize a problem, using mathematical terms and symbols.	3: 12A-12B, 12-13, 24A-24B, 24-25, 38A-38B, 38-39, 90A-90B, 90-91, 94A-94B, 94-95, 140A-140B, 140-143, 156A-156B, 156-157, 198A-198B, 198-199, 222A-222B, 222-223, 278A-278B, 278-281, 290A-290B, 290-291, 326A-326B, 326-329, 342A-342B, 342-343, 384A-384B, 384-385, 396A-396B, 396-399, 460A-460B, 460-461, 474A-474B, 474-477, 512A-512B, 512-513, 538A-538B, 538-539, 584A-584B, 584-858, 600A-600B, 600-601, 648A-648B, 648-649, 662A-662B, 662-663, 696A-696B, 696-697, 714A-714B, 714-715 4: 12A-12B, 12-13, 24A-24B, 24-25, 38A-38B, 38-39, 90A-90B, 90-91, 94A-94B, 94-95, 140A-140B, 140-143, 156A-156B, 156-157, 198A-198B, 198-199, 222A-222B, 222-223, 278A-278B, 278-281, 290A-290B, 290-291, 326A-326B, 326-329, 342A-342B, 342-343, 396A-396B, 396-399, 460A-460B, 460-461, 474A-474B, 474-477, 512A-512B, 512-513, 538A-538B, 538-539, 584A-584B, 584-858, 600A-600B, 600-601, 648A-648B, 648-649, 662A-662B, 662-663, 696A-696B, 696-697, 714A-714B, 714-715 5: 18A-18B, 18-19, 32A-32B, 32-33, 42A-42B, 42-43, 80A-80B, 80-81, 104A-104B, 104-105, 144A-144B, 144-145, 168A-168B, 168-169, 210A-210B, 210-211, 226A-226B, 226-227, 276A-276B, 276-279, 272A-272B, 272-273, 352A-352B, 352-355, 356A-356B, 356-357, 406A-406B, 406-407, 434A-434B, 434-437, 484A-484B, 484-487, 504A-504B, 504-505, 558A-558B, 558-559, 570A-570B, 570-571, 606A-606B, 606-607, 624A-624B, 624-625, 660A-660B, 660-661, 664A-664B, 664-665, 706A-706B, 706-709, 720A-720B, 720-721

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M7.2.2 Select and apply a variety of strategies including making a table, chart or list, drawing pictures, making a model, and comparing with previous experience to solve problems.</p>	<p>3: 14A-14B, 14-15, 32A-32B, 32-33, 42A-42B, 42-43, 44-45, 76A-76B, 76-77, 102A-102B, 102-103, 104-105, 140A-140B, 140-143, 160A-160B, 160-161, 170-171, 216A-216B, 216-217, 236A-236B, 236-237, 238-239, 270A-270B, 270-273, 284A-284B, 284-285, 294-295, 332A-332B, 332-333, 346A-346B, 346-347, 348-349, 380A-380B, 380-381, 404A-404B, 404-405, 406-407, 436A-436B, 436-439, 474A-474B, 474-475, 476-477, 528A-528B, 528-529, 540A-540B, 540-541, 578A-578B, 578-579, 588A-588B, 588-589, 590-591, 644A-644B, 644-645, 656A-656B, 656-657, 658-659, 698A-698B, 698-699, 708A-708B, 708-709, 710-711</p> <p>4: 12A-12B, 12-13, 24A-24B, 24-25, 38A-38B, 38-39, 40-41, 90A-90B, 90-91, 94A-94B, 94-95, 102-103, 140A-140B, 140-143, 156A-156B, 156-157, 168-169, 198A-198B, 198-199, 222A-222B, 222-223, 234-235, 278A-278B, 278-281, 290A-290B, 290-291, 292-293, 326A-326B, 326-329, 342A-342B, 342-343, 344-345, 384A-384B, 384-385, 396A-396B, 396-399, 412-413, 460A-460B, 460-461, 474A-474B, 474-477, 478-479, 512A-512B, 512-513, 538A-538B, 538-539, 540-541, 584A-584B, 584-858, 600A-600B, 600-601, 602-603, 648A-648B, 648-649, 662A-662B, 662-663, 666-667, 696A-696B, 696-697, 714A-714B, 714-715, 716-717</p> <p>5: 18A-18B, 18-19, 32A-32B, 32-33, 42A-42B, 42-43, 80A-80B, 80-81, 104A-104B, 104-105, 144A-144B, 144-145, 168A-168B, 168-169, 210A-210B, 210-211, 226A-226B, 226-227, 276A-276B, 276-279, 272A-272B, 272-273, 352A-352B, 352-355, 356A-356B, 356-357, 406A-406B, 406-407, 434A-434B, 434-437, 484A-484B, 484-487, 504A-504B,</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
(continued)	504-505, 558A-558B, 558-559, 570A-570B, 570-571, 606A-606B, 606-607, 624A-624B, 624-625, 660A-660B, 660-661, 664A-664B, 664-665, 706A-706B, 706-709, 720A-720B, 720-72
<p>M7.2.3 Explain and verify results of the original problem and apply what was learned to new situations.</p>	<p>3: 12A-12B, 12-13, 24A-24B, 24-25, 38A-38B, 38-39, 90A-90B, 90-91, 94A-94B, 94-95, 140A-140B, 140-143, 156A-156B, 156-157, 198A-198B, 198-199, 222A-222B, 222-223, 278A-278B, 278-281, 290A-290B, 290-291, 326A-326B, 326-329, 342A-342B, 342-343, 384A-384B, 384-385, 396A-396B, 396-399, 460A-460B, 460-461, 512A-512B, 512-513, 538A-538B, 538-539, 584A-584B, 584-858, 600A-600B, 600-601, 648A-648B, 648-649, 662A-662B, 662-663, 696A-696B, 696-697, 714A-714B, 714-715</p> <p>4: 12A-12B, 12-13, 24A-24B, 24-25, 38A-38B, 38-39, 90A-90B, 90-91, 94A-94B, 94-95, 140A-140B, 140-143, 156A-156B, 156-157, 198A-198B, 198-199, 222A-222B, 222-223, 278A-278B, 278-281, 290A-290B, 290-291, 326A-326B, 326-329, 342A-342B, 342-343, 384A-384B, 384-385, 396A-396B, 396-399, 460A-460B, 460-461, 474A-474B, 474-477, 512A-512B, 512-513, 538A-538B, 538-539, 584A-584B, 584-858, 600A-600B, 600-601, 648A-648B, 648-649, 662A-662B, 662-663, 696A-696B, 696-697, 714A-714B, 714-715</p> <p>5: 32A-32B, 32-33, 42A-42B, 42-43, 80A-80B, 80-81, 104A-104B, 104-105, 144A-144B, 144-145, 168A-168B, 168-169, 210A-210B, 210-211, 226A-226B, 226-227, 276A-276B, 276-279, 272A-272B, 272-273, 352A-352B, 352-355, 356A-356B, 356-357, 434A-434B, 434-437, 484A-484B, 484-487, 504A-504B, 504-505, 558A-558B, 558-559, 570A-</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
(continued)	570B, 570-571, 606A-606B, 606-607, 624A-624B, 624-625, 660A-660B, 660-661, 664A-664B, 664-665, 706A-706B, 706-709, 720A-720B, 720-721

CONTENT STANDARD C: COMMUNICATION

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M8.2.1 Use the mathematical vocabulary appropriate to the problem.	<p>3: 4B, 6B, 10B, 18B, 32B, 42B, 44B, 86B, 90B, 126B, 136B, 160B, 168B, 212B, 218B, 262B, 288B, 342B, 372B, 384B, 392B, 404B, 428B, 446B, 468B, 472B, 498B, 522B, 538B, 568B, 584B, 616B, 680B, 684B</p> <p>4: 4B, 10B, 16B, 20B, 34B, 62B, 72B, 80B, 82B, 96B, 98B, 124B, 128B, 132B, 136B, 140B, 148B, 152B, 160B, 166B, 190B, 226B, 234B, 256B, 258B, 288B, 316B, 366B, 368B, 372B, 434B, 438B, 452B, 464B, 502B, 522B, 530B, 574B, 594B, 628B, 652B, 654B, 658B, 664B, 700B</p> <p>5: 6B, 8B, 22B, 28B, 36B, 38B, 40B, 66B, 72B, 76B, 100B, 152B, 158B, 162B, 164B, 174B, 202B, 224B, 234B, 266B, 270B, 282B, 302B, 336B, 360B, 400B, 410B, 414B, 462B, 464B, 466B, 474B, 494B, 496B, 502B, 534B, 554B, 610B, 616B, 622B, 646B, 648B, 712B</p>
M8.2.2 Represent mathematical and practical situations using concrete, pictorial, and symbolic representation.	<p>3: 140A-140B, 140-143, 204A-204B, 204-207, 208A-208B, 208-211, 226A-226B, 226-227, 228A-228B, 228-231, 232A-232B, 232-235, 236A-236B, 236-237, 270A-270B, 270-273</p> <p>4: 4A-4B, 4-7, 8A-8B, 8-9, 28A-28B, 28-29, 34A-34B, 34-37, 204A-204B, 204-205, 206A-206B, 206-207, 208A-208B, 208-211, 212A-212B, 212-213, 216A-216B, 216-221,</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
(continued)	<p>500A-500B, 500-501, 502A-502B, 502-503, 504A-504B, 504-507, 624A-624B, 624-627</p> <p>5: 262A-262B, 262-265, 266A-266B, 266-269, 270A-270B, 270-275, 286A-286B, 286-287, 548A-548B, 548-549, 550A-550B, 550-551, 552A-552B, 552-553, 554A-554B, 554-557</p>
<p>M8.2.3 Organize and communicate mathematical problem solving strategies and solutions to problems.</p>	<p>3: 14, 32, 42, 74, 76, 102, 138, 140, 160, 234, 268, 330, 332, 346, 378, 380, 404, 434, 436, 474, 526, 528, 540, 576, 578, 588, 642, 644, 656, 686, 688, 708</p> <p>4: 12A-12B, 12-13, 24A-24B, 24-25, 38A-38B, 38-39, 90A-90B, 90-91, 94A-94B, 94-95, 140A-140B, 140-143, 156A-156B, 156-157, 198A-198B, 198-199, 222A-222B, 222-223, 278A-278B, 278-281, 290A-290B, 290-291, 326A-326B, 326-329, 342A-342B, 342-343, 384A-384B, 384-385, 396A-396B, 396-399, 460A-460B, 460-461, 474A-474B, 474-477, 512-A512B, 512-513, 538A-538B, 538-539, 584A-584B, 584-858, 600A-600B, 600-601, 648A-648B, 648-649, 662A-662B, 662-663, 696A-696B, 696-697, 714A-714B, 714-715</p> <p>5: 292A-292B, 292-293, 356A-356B, 356-357, 570A-570B, 570-571, 664A-664B, 664-665, 720A-720B, 720-721</p>

CONTENT STANDARD D: REASONING

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
<p>M9.2.1 Draw logical conclusions about mathematical situations.</p>	<p>3: 12A-12B, 12-13, 24A-24B, 24-25, 38A-38B, 38-39, 90A-90B, 90-91, 94A-94B, 94-95, 140A-140B, 140-143, 156A-156B, 156-157, 198A-198B, 198-199, 222A-222B, 222-223, 278A-278B, 278-281, 290A-290B, 290-291, 326A-326B, 326-329, 342A-342B, 342-343, 384A-384B, 384-385, 396A-396B, 396-399, 460A-460B, 460-461, 474A-474B, 474-477, 512-A512B, 512-513, 538A-538B, 538-539, 584A-584B, 584-858, 600A-600B, 600-601, 648A-648B, 648-649, 662A-662B, 662-663, 696A-696B, 696-697, 714A-714B, 714-715</p> <p>4: 12A-12B, 12-13, 24A-24B, 24-25, 38A-38B, 38-39, 90A-90B, 90-91, 94A-94B, 94-95, 140A-140B, 140-143, 156A-156B, 156-157, 198A-198B, 198-199, 222A-222B, 222-223, 278A-278B, 278-281, 290A-290B, 290-291, 326A-326B, 326-329, 342A-342B, 342-343, 384A-384B, 384-385, 396A-396B, 396-399, 460A-460B, 460-461, 474A-474B, 474-477, 512-A512B, 512-513, 538A-538B, 538-539, 584A-584B, 584-858, 600A-600B, 600-601, 648A-648B, 648-649, 662A-662B, 662-663, 696A-696B, 696-697, 714A-714B, 714-715</p> <p>5: 32A-32B, 32-33, 42A-42B, 42-43, 80A-80B, 80-81, 104A-104B, 104-105, 144A-144B, 144-145, 168A-168B, 168-169, 210A-210B, 210-211, 226A-226B, 226-227, 276A-276B, 276-279, 272A-272B, 272-273, 352A-352B, 352-355, 356A-356B, 356-357, 406A-406B, 406-407, 434A-434B, 434-437, 484A-484B, 484-487, 504A-504B, 504-505, 558A-558B, 558-559, 570A-570B, 570-571, 606A-606B, 606-607, 624A-624B, 624-625, 660A-660B, 660-661, 664A-664B, 664-665, 706A-706B, 706-709, 720A-720B, 720-721</p>

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M9.2.2 Given a rule or generalization, determine whether the example fits.	3: 24-27, 277, 282, 286, 288-289, 332A-332B, 332-335, 340-341, 344-345 4: 98, 99, 140A-140B, 140-142, 692A-692B, 692-694 5: 101B-101B, 101-102, 106A-106B, 106-107, 176A, 176B, 176-179
M9.2.3 Justify answers and mathematical strategies as reasonable.	3: 80A-80B, 80-81, 82A-82B, 82-83, 86A-86B, 86-89, 90A-90B, 90-91, 94A-94B, 94-95, 96A-96B, 96-97, 98A-98B, 98-101, 160A-160B, 160-161 4: 38, 39, 76, 77, 80, 271, 340, 342 5: 40, 42, 43, 88, 210, 211

CONTENT STANDARD E: CONNECTIONS

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M10.2.1 Apply mathematical processes to social studies.	3: 10B, 26, 28B, 30, 36B, 38, 44B, 68, 84, 88, 90B, 134, 142, 150B, 152B, 164, 204B, 218B, 220, 228B, 232B, 322, 346B, 384B, 400, 430, 438, 474B, 508, 512B, 568B, 574, 628, 656B, 696B, 706 4: 8B, 9, 18, 30B, 66, 68B, 80B, 84, 134, 146B, 166B, 194, 200B, 214, 232B, 272, 280, 282B, 290B, 328, 332B, 334, 340B, 344B, 404B, 408B, 410, 434B, 436, 440B, 442, 446, 452B, 460B, 470, 500B, 508B, 518, 522B, 524B, 526, 584B, 626, 628B, 630B, 642B, 656B, 694, 696B 5: 16, 26B, 30, 68B, 76B, 86B, 96, 104B, 135, 140, 154, 158B, 166, 174B, 216, 236, 265, 278, 299, 330, 344, 364B, 366, 406B, 417, 428, 468, 474B, 493, 528B, 536B, 538, 566, 616B, 620B, 648B, 662B, 700B, 708

Alaska Mathematics Performance Standards	Scott Foresman – Addison Wesley Mathematics
M10.2.2 Apply mathematical skills and processes to situations with friends and school.	3: 85, 135, 221, 471, 509, 635 4: 79, 131, 211, 261, 371, 437, 527, 599 5: 25, 75, 179, 217, 291, 335, 423, 469, 539, 699