A Correlation of

to the

Idaho
State Aligned
Learning Continuum
Release 1.0
Grades 3-5

M/M-125

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 *Idaho State Aligned Learning Continuum, Release 1.0.* Correlation page references are to the Teacher's Edition, which contains facsimile Student Edition, Problem of the Day, and Spiral Review and Test Prep 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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Scott Foresman – Addison Wesley Mathematics
Correlations to the
Idaho State Aligned Learning Continuum Release 1.0
Grade Three

Number Sense—includes ratios, proportions, fraction-decimal relationships, exponents, number theory, place value, and the relationship between numbers.

RIT scores between 191 and 200

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Whole Numbers	
• Order numerals through 9999	3, 4B, 6A-6B, 6-7, 18A-18B, 18-19, 20-21, 22A-23, 27, 28A, 31-32A, 34-35, 42A 4-13, 18-23
• Count and convert to dozens	Can be developed from: 4A-4B, 4-5
• Round 4- and 5-digit numbers to the nearest hundred thousand, thousand, hundred or ten	28A-28B, 28-29, 30-31, 36A 28-31, 86A-86B, 86-87, 88-89, 90A-90B, 90-91, 94-101, 163, 616-617
Factorization/Divisibility	
• Identify numbers as prime or composite	This standard is taught in Grades 4, 5, and 6.
• Apply rules of divisibility by 2's	This standard is taught in Grades 5 and 6
• Complete a factor tree for a number (prime factorization)	This standard is taught in Grades 4, 5, and 6.
• Understand and demonstrate that many whole numbers break down in different ways (*e.g.* 12=4x3=2x6=2x2x3)	10-11, 24-25, 26-27, 42-43, 66A-66B, 66-69, 70A-70B, 70-71, 72-73, 78-79, 80-81, 82A-82B, 82-83, 84-85, 92-93, 94A-94B, 124-125, 126A-126B, 129-131, 258-259, 260A-260B, 260-261, 262A-262B, 262-263, 264-265, 266-267, 274-275, 276A-276B, 276-277, 278-279, 286-287
• Identify the least common multiple of two whole numbers	This standard is taught in Grades 5 and 6.
Fractions, Ratio and Proportion	
• Write equivalent fractions using pictorial representation	497-500, 502-511, 516-525, 564-567
• Write improper fractions from picture presentations	522A-522B, 522-523, 524-525, 564-565, 566A-566B, 566-567
• Find equivalent fractions using multiples and factors	504-505

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Write mixed numbers as improper fractions and improper fractions as mixed numbers	522A-522B, 522-523, 524-525, 564A-564B, 564-565, 566A-566B, 566-567 Note: Only first half of standard is taught in these instances.
• Identify the least (lowest) common denominator of two fractions	This standard is taught in Grades 4, 5, 6.
• Express a fraction as a decimal and vice versa	564-567
• Solve proportions using the cross product method	504-505
Decimals	
• Write a decimal for a shaded region (to tenths place)	564A-564B, 564-565, 566A-566B, 566-567, 568-569, 570-571
• Round decimals to nearest whole number	92, 162-163 (rounding to nearest dollar), 575
• Identify and understand place value for decimals (tenths, hundredths, and thousandths)	564-575
Money	
• Combine and identify the value of a collection of coins and bills up to and including $100.00	3, 14A, 36A-36B, 36-41, 42B, 571
Percents	
• Model percents using a 10 x 10 grid	This standard is taught in Grade 6.
• Write a decimal or fraction as a percent and vice versa	This standard is taught in Grades 5 and 6.
Place Value, Expanded and Standard Notation	
• Identify the number and written word for ordinal numbers	4A-4B, 4-5, 6A, 7, 10A, 17 4-5, 16, 17
• Write numerals in expanded form through the hundred thousands	6A-6B, 6-7, 8A-8B, 8-9, 13, 16-17, 20-21, 22A-22B, 22-23, 24A Note: Hundred Thousands are taught in Grades 4, 5, and 6.
• Match word names to numerals through billions	4A-4B, 4-5, 6A-6B, 6-7, 8A-8B, 8-9, 10A-10B, 10-11, 13, 16-17, 28A
• Identify place value using model to count	2I-2J, 2, 6A-6B, 6-7, 8A-8B, 8-9, 10A-10B, 10-11,12A-12B, 12-13, 22A-22B, 22-23, 42A 6-13, 18-23, 28-31, 146-147
Ordering, Equalities and Inequalities	
• Compare and order fractions and mixed numbers	506-509

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Exponents	
• Exponential representation of 3 multiplied numbers (2x2x2)	342A-342B, 342-343

Estimation and Accurate Computations—includes estimation, addition, subtraction, multiplication, division of whole numbers, fractions, decimals, percents, and positive and negative numbers, use of exponents, roots, logarithms and matrices.

RIT scores between 191 and 200

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Whole Numbers	
• Solve one-step word problems involving multiplication	260A-260B, 264-265, 266A-266B, 266-267, 278-279, 280-281
• Subtract multi-digit numbers with regrouping	152A-152B, 152-153
• Multiply a 2-digit number by a 2-digit number with no regrouping	This standard is taught in Grades 4, 5, 6.
• Multiply a 2-digit number by a 2-digit number with regrouping	Related Content: 632A-632B
• Subtract multi-digit numbers without using a calculator	6A, 7, 9, 10A, 12A, 148A-148B, 148-149, 150A-150B, 150-151, 152A-152B, 152-153, 154-155, 156A-156B, 156-157, 159
• Multiply a 3 digit number by a 2-digit number with regrouping	This standard is taught in Grades 4, 5, and 6.
• Multiply a 3-digit number or a 4-digit number by a 2-digit number or a 3-digit number with zeros	This standard is taught in Grades 4, 5, and 6.
▪ Add whole numbers using place value	80A-80B, 80-81, 128A-128B, 128-131
Fractions	
• Express 1 in many different ways (1/1, 2/2, 4/4)	502A-502B, 502-503, 506B, 512A-512B, 512-513, 514, 515, 516B, 519, 520B
• Subtract fractions with like denominators	This standard is taught in Grades 4, 5, and 6.
• Add fractions having unlike denominators, answer in lowest terms	This standard is taught in Grades 4, 5, and 6.

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Decimals	
• Add whole numbers and decimals to the hundredths place (not the same number of digits)	572-575
• Subtract whole numbers and decimals to the hundredths place (not the same number of digits)	572-575
• Compute basic operations with monetary amounts up to and including $20.00	8A, 162-165, 572A-572B, 572-573, 574-575
• Add decimals to thousandths, vertically and horizontally, with and without regrouping	This standard is taught in Grades 5 and 6. Can be taught from: 572A-572B, 572-573, 574-575
• Subtract decimals to thousandths, vertically and horizontally, with and without regrouping	This standard is taught in Grades 5 and 6. Can be taught from: 572A-572B, 572-573, 574-575
• Multiply a decimal by a decimal, vertical form (tenths or hundredths)	This standard is taught in Grades 5 and 6.
• Compute simple addition or subtraction problems involving monetary amounts up to $10.00	4A, 8A, 40A-40B, 40-41, 162A-162B, 162-163, 164-165
• Compute half price greater than $20.00	Related Content: 290-291
Percent	
• Find a percent of a number (6% of 30)	Refer to Grade 5: 670, 671
Exponents	
• Identify the base and the exponent of a given numerical expression and calculate its value	This standard is taught in Grades 5 and 6.
Order of Operations	
• Evaluate numerical expressions using the order of operations	Related Content: 66A-66B, 66-67, 69, 70A-70B, 70-71, 260-261, 320-321, 346A-346B, 346-347, 370-371

<u>Mathematical Reasoning and Problem Solving</u>—includes a variety of strategies such as guess and check, logical reasoning, using formulas, and working backwards to solve simple and multi-step problems in all mathematical areas.

RIT scores between 191 and 200

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Identify the correct information to solve addition and subtraction word problems	4A, 6A, 8A, 9, 10A, 11-12A, 14A-18A, 32A-35, 68-69, 127, 130, 134, 140-143
• Solve one-step word problems involving multiplication and division, including money	260A-260B, 276B, 280B, 280-281, 283, 290-291, 292-293, 338-339, 370B, 370-371, 374A-374B, 374-375, 376-377, 629, 631, 641
• Estimate the answers to word problems	86-93, 98-101, 132, 136, 152-153, 160-163, 193, 510-511, 616-617, 630
• Determine what operation is needed to solve a word problem (all four operations)	4A, 6A, 9, 10A, 11, 14A-18A, 32A-35
• Choose and apply an appropriate problem solving strategy:	
Draw a picture,	9-10A, 12A, 14-15, 18A, 24A, 28A, 39, 140-143
Make a model,	2J-2, 4A, 5, 6B, 9, 14-15, 17, 28A, 498-500, 502-513, 516-517
Guess and test,	42A-43, 85, 127, 132, 152-153, 162-163, 166-167
Make a list,	36A
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Find a pattern,	2I-2J, 12A, 24A-28B, 40A, 135, 340-341, 402-403, 612-614, 618-620
Work backwards,	42A-43
Solve a simpler problem, or	94-95, 137
Draw a diagram	140-143
• Solve word problems involving any combination of basic operations on whole numbers (one-step problems)	7, 10A-10B, 14-18A
• Write a number sentence to solve one-step word problems involving the operations of addition, subtraction, and multiplication of fractions and decimals	6A, 14, 32A-36A, 516-521

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Use a number line to write number sentences using subtraction	18-20, 22-23,
• Solve multi-step word problems involving any combination of basic operations	14B-14, 28A, 42A
• Solve one- and two-step word problems involving any combination of basic operations on whole numbers, decimals, and fractions	10A, 28A, 516-521

<u>Concepts and Principles of Measurement</u>—includes customary and metric units of measure around time, money, size, temperature, and weight, and the use of them in both calculating and estimating measurements.

RIT scores between 191 and 200

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Length, Weight, Volume	
• Measure length to the nearest millimeter, centimeter, meter, and kilometer	536A-536B, 536-537, 582A-582B, 582-583, 587, 684A-684B, 684-685
• Select the appropriate metric and customary unit to measure an object or distance	582A-582B, 582-583, 585, 586-587
• Perform conversions between linear units in the customary system; also as necessary in addition or subtraction problems	Related Content: 532A-532B, 532-533, 534A-534B, 534-535
• Perform conversions between units of capacity in the customary system; also as necessary in addition or subtraction problems	680A-680B, 680-681, 682-683, 684A-684B, 684-685
Area, Perimeter, Circumference	
• Estimate and verify the area of a figure using square units (counting)	468A-468B, 468-469, 470-471
• Find the area of irregular shapes using square units	468A-468B, 468-469, 470-471
• Find the perimeter of polygons	464A-464B, 464-465, 466-467
Time, Temperature	
• Identify time relationships: minutes in an hour, hours in a day, days in a week, weeks in a year	192A-192B, 192-193, 194-195, 196A-196B, 196-197, 198A-198B, 198-199, 200A-200B, 200-201, 202-203

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Ratio	
• Understand the concept of ratio using concrete and pictorial models	This standard is taught in Grades 5 and 6.

<u>Concepts and Language of Algebra, Functions, and Mathematical Models</u>— includes patterns, functions, solving equations, order of operations, properties, simplifying expressions and continues up through more difficult skills in Algebra specific content.

RIT scores between 191 and 200

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Patterns, Sequences, Functions	
• Count and write by 4's	Related Content: 8A-8B, 8-9, 340B, 340-341
• Find and extend patterns	4A, 6A, 12B, 24A-28B, 32A, 35, 40A, 332A-332B, 332-333, 334-335
Solving Equations and Inequalities, Simplifying Expressions, Order of Operations	
• Identify and understand the greater or lesser of two numerals (use the symbols< and > through 999,999	18A-23, 34-35, 42A 18-23, 28, 31, 168-169
• Use symbols of inequality, < and > to write and complete number sentences	18A-23, 34-35, 42A 18-23, 28, 31, 168-169, 506-507, 568-570
• Solve simple addition problems with "n" as and addend or sum	7, 27 67-68, 71, 76A-76B, 76-77
• Solve simple multiplication problems with "n" as a multiple or product	Related Content: 281, 343, 629, 655
• Solve simple division problems with "n" as a quotient or divisor	Can be developed from: 76-77, 168-169
• Solve whole number equations with any operation	18A, 70A-70B, 70-71, 76A-76B, 76-77, 168A-168B, 168-169, 384A-384B, 384-385

<u>Concepts and Principles of Geometry</u>—includes properties of two- and three-dimensional objects, points, rays, lines, and angles including congruency, similarities, and transformations, surface area, the coordinate plane, trigonometry and the Pythagorean Theorem.

RIT scores between 191 and 200

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Shapes and Figures, 2- and 3-dimensional	
• **Recognize solid figures: sphere (ball)**	12A, 428A-428B, 428-429, 430
• **Identify and name solid figures: cube, cylinder, cone, rectangular prism, and sphere**	12A, 428A-428B, 428-429, 430
• **Identify characteristics of plane figures (sides and corners)**	446A-446B, 446-447, 448-449
Symmetry and Transformations	
• **Identify figures with line symmetry and symmetrical parts**	460A-460B, 460-461
Geometric Properties and Terminology	
• **Identify position concepts: (over, under, inside, outside, in front, behind, top, middle, bottom)**	436-437, 438-439
• **Describe and measure right angles**	444B, 444-445
• **Identify right angles**	444B, 444-445
• **Identify intersecting, parallel lines**	442A-442B, 442-443
• **Identify the diagonal of a circle**	467

<u>Data Analysis, Probability, and Statistics</u>—Students determine the mathematical probability of events, calculate measures of central tendency, and work with combinations and permutations. Interpret and predict information from charts, graphs, and tables.

RIT scores between 191 and 200

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Probability and Prediction	
• **Develop concept of chance and make predictions for events (ex.: rolling a number dice)**	700A-700B, 700-701, 702A-702B, 702-703, 704A-704B, 704-705, 706-707, 708A-708B, 708-709

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Combinations and Permutations	
• Solve problems involving combinations or permutations	This standard is taught in Grade 6.
Statistics	
• Use tallies to record data	14A, 204A-204B, 204-205, 206-207
• Compute averages with a given set of data	211, 621
Data Analysis	
• Solve problems using information from a bar graph	212A-212B, 212-213, 214-215, 228A-228B, 228-229, 230-231
• Solve multi-step word problems with pictographs, bar graphs, or line graphs	212A-212B, 212-213, 214-215, 222A-222B, 222-223, 226A-226B, 226-227, 228A-228B, 228-229, 232A-232B, 232-233, 236
• Construct and solve word problems involving line graphs	222A-222B, 222-223, 232A-232B, 232-233, 236
• Construct and solve word problems involving circle graphs	This standard is taught in Grades 4, 5, and 6.
• Construct and solve word problems involving information from a table	8A, 12-14B, 18A, 19, 22A-23, 32A-32B, 33, 35, 204A-204B, 204-205, 206-207
• Read and interpret dual bar graphs and dual broken-line graphs	This standard is taught in Grade 6.

Scott Foresman – Addison Wesley Mathematics
to the
Idaho State Aligned Learning Continuum Release 1.0
Grade Four

Number Sense—includes ratios, proportions, fraction-decimal relationships, exponents, number theory, place value, and the relationship between numbers.

RIT scores between 201 and 210

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Whole Numbers	
• Round to the nearest millions and billions	20B, 20-21, 22A, 23, 26-27, 48-49, 57, 90A, 192A, 244
• Write the Roman numeral equivalent of Arabic numbers 1-2000 and vice versa	195
Factorization/Divisibility	
• Apply rules of divisibility	402A-402B, 402-403, 404A, 406A, 414-415, 427, 430, 434A, 444A, 460A, 500A, 516A, 522A
• Identify the greatest common factor of two whole numbers each of which is less than 100	478A, 534A, 568A
• List the prime and composite numbers less than 50 in a word problem	134
Fractions, Ratio and Proportion	
• Change a fractional numeral to its simplest form (lowest terms)	520A-520B, 520-521, 523, 528, 548, 552
• Write the missing number in two equivalent ratios	516A-516B, 516-517, 518-519, 520, 528, 553
• Use a number line to identify a fractional point	504A-504B, 504-505, 506-507, 508-509, 514-515, 524A, 524, 530B, 534-535

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Decimals	
• Write a decimal for a shaded region (hundredths)	34A-34B, 34-35, 36, 38A, 42, 624A, 624B, 624, 625
• Write a terminating decimal as a fraction or mixed number	624
• Round decimals to nearest whole number, tenth, hundredth, or thousandth	632A, 632B, 632, 633, 674, 679, 683, 692A
• Multiply a decimal by multiples of 10, 100, or 1000	645
Percents	
• Write a decimal or fraction as a percent or vice versa	533, 627
Integers	
• Order integers on a number line	Refer to Grade 5: 713, 714, 715
Place Value, Expanded and Standard Notation	
• Understand and identify the place value and value of each digit in numerals through the billions	2I, 4A-4B, 4-5, 6-7, 8A-8B, 8-9, 10-11, 14-15, 20A, 20-21, 22-23, 40A, 52, 56, 178, 34A
• Write the word name for a decimal and vice versa	28B, 49, 678
• Write numerals in expanded form through the hundred billions	8-9, 10B, 10, 40, 46, 49, 52
Ordering, Equalities and Inequalities	
• Order numbers from least to greatest and greatest to least	16A-16B, 16-17, 18-19, 20A, 21, 26-27, 30B, 40, 44, 46, 48, 49, 50, 64A, 178, 244, 302, 408A, 422, 676
• Compare and order numbers through the billions	16A, 16-17, 18-19, 20A, 24A, 46, 49, 53, 57, 80A, 262A, 540A, 630, 631

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Order decimals and fractions to the hundred thousandths	314A, 524A, 524B, 524-525, 526, 527, 528, 529, 554, 558, 530A, 534A, 562A, 630A, 630B, 630, 631, 632A, 636A, 674, 676, 678, 682, 688A, 690A, 726
• Identify the greater or lesser of 2 integers	Refer to Grade 5: 713, 714, 715
• Ordering integers that include fractions and wholes	Refer to Grade 5: 713, 714, 715
• Ordering exponential values	Refer to Grade 5: 11, 167, 207
Exponents and Scientific Notation	
• Write whole numbers in exponential form and compute the power of the number	Preparation: 323 Refer also to Grade 5: 11, 167, 207

<u>Estimation and Accurate Computations</u>—includes estimation, addition, subtraction, multiplication, division of whole numbers, fractions, decimals, percents, and positive and negative numbers, use of exponents, roots, logarithms and matrices.

RIT scores between 201 and 210

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Whole Numbers	
• Understand the concept of division using pictorial representation	146A-146B, 146-147, 158
• Use front-end estimation strategy for multiplication and division	258A-258B, 258-259, 260-261, 268-269
• Divide a 2-digit number by a 2-digit number with a remainder	408A-408B, 408-409

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Subtract multi-digit numbers without using a calculator	4A, 8A, 24A, 32A, 38A, 62A, 64, 65, 66, 76A, 82, 83, 84, 86A, 90A, 96A, 110, 112, 114, 116, 118, 124A, 152A, 164A, 166A, 244, 404A, 410A, 500A, 632A, 652A
• Multiply by multiples of 10 and 100 with an emphasis on mental math	254I, 256A-256B, 256-257, 262A-262B, 262-263, 267-268, 270A, 288A, 314A, 314B, 314-315, 330, 331, 336A, 364, 404A, 408A, 520A, 666A
• Divide a 3-digit number by a multiple of 10	406A-406B, 406-407, 414
• Divide a 3-digit number by a 2 –digit number (no zeros)	408A-408B, 408-409, 410-411, 414, 420
Fractions	
• Add mixed numbers with like denominators with regrouping	564-567
• Subtract mixed numbers with like denominators with regrouping	574-577
• Subtract mixed numbers with unlike denominators with regrouping	578-581
• Multiply a fraction by a fraction; answer in lowest terms	564
• Multiply mixed numbers	567
Decimals	
• Add decimals to hundredths place using both horizontal and vertical format	102A, 110, 113, 119, 148A, 166A, 200A, 206A, 288A, 372A, 404A, 524A, 638-639, 642-645
• Subtract decimals to the hundredths place	86A, 102A, 168A, 200A, 208A, 230A, 302, 638-645, 654A

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Compute and count change greater than $20.00	64B
• Subtract decimals through hundred-thousandths with a calculator	638-645
• Compute and count change up to and including $10.00 (addition and subtraction only)	12A, 32A-32B, 32-33, 37, 40A, 43, 48, 49, 55, 59, 62A, 73, 76A, 76-77, 78-79, 80-81, 83-84, 86A, 82-83, 94A, 102A, 132A, 178
• Solve written word problems involving the addition or subtraction of monetary amounts	72A, 73, 76- 86-87, 77, 102A, 110, 270A, 434A, 524A, 596A
Percent	
• Find a percent of a number	Refer to Grade 5: 670, 671

<u>Mathematical Reasoning and Problem Solving</u>—includes a variety of strategies such as guess and check, logical reasoning, using formulas, and working backwards to solve simple and multi-step problems in all mathematical areas.

RIT scores between 201 and 210

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Translate verbal statements into equations (all four operations; several operations)	94, 95, 96A, 96B, 96, 97, 98A, 99, 104, 105, 109, 110, 113, 117, 121, 128A, 132A, 136A, 146A, 148A, 150A, 152A, 154A, 156A, 164A, 179, 262A, 421, 468A, 520A, 524A, 551, 568A, 592A, 654A, 690A-690B, 690-691, 692A, 696A, 698
• Estimate the answers to word problems	29, 67, 73, 93, 110, 118, 124A, 163, 196A, 258, 259, 260, 316, 317, 331, 333, 368, 369, 370, 383, 387, 390A, 408, 416, 539, 563, 578A, 594, 600A, 600B, 600-601, 602A, 604, 611, 621, 624A, 627, 628A, 630A, 637, 648A, 651, 658A, 666A

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Solve written word problems involving the addition or subtraction of monetary amounts	33, 43, 50, 59, 77, 83, 93, 101, 102A, 145, 153, 182, 178, 200A, 204A, 283, 302, 372A, 600A, 617, 621, 624A, 647, 676, 677, 691, 694
• Solve word problems involving customary and metric measurement	4A, 212A, 273, 293, 302, 316B, 320A, 322, 329, 335, 344, 345, 466, 474, 475, 478, 479, 480, 481, 489, 497, 508A, 550, 569, 572, 578A, 579, 596B, 597, 598, 599, 600A, 600-601, 602, 602A, 610, 621, 644, 649, 651, 653, 655, 658A 666, 667
• Solve word problems involving distance, rate and time	6, 23, 169, 196B, 196, 197, 198A, 200, 201, 202, 216A, 234, 234A, 235, 242, 273, 275, 281, 292, 301, 302, 316, 317, 318, 354, 367, 460A, 468A, 469, 488, 507, 540, 541, 565, 571, 578A, 592A, 637, 642A, 642B, 643, 648A, 651, 653, 658A, 691, 696A
• Use logic to solve problems	538A, 588A, 590A, 628A, 632A, 636A, 638A, 642A, 652A, 656A, 662A
• Solve word problems using proportional reasoning	6, 11, 23, 57, 80A, 102, 137, 140A, 212A, 225, 231, 234A, 257, 303, 329, 589
• Solve geometry problems by making a drawing or diagram	338A, 434A, 434-435, 436, 437, 443, 448, 452, 454, 455
• Choose and use an appropriate problem solving strategy:	
• Draw a picture	16A, 28A, 18, 30A, 64A, 66, 82A, 85, 146, 150A, 153, 154, 159, 160, 173, 177, 186, 290, 291, 292, 292A, 274A, 278A, 295, 301, 307, 326A, 334, 338A, 372B, 373, 375, 376, 384, 386B, 395, 401, 421, 430, 510, 511, 512, 513, 514, 515, 516A, 534A, 544, 545, 548, 549, 557, 562, 562A, 564, 566, 571, 574A, 580, 590-591, 592A, 596A, 602A, 612, 613, 626, 662A

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• **Make a model:**	12A, 16A, 124, 151, 160, 186, 320A, 320B, 320, 321, 322, 323, 332A, 332, 342A 353, 357, 515, 523, 560, 562, 603
• **Guess and test**	24, 25, 37, 41, 49, 54, 86A, 96A, 146A, 148A, 276, 277, 278-279, 280, 281, 282A, 284, 306, 307, 310, 314A, 320A, 329, 330, 332A, 334A, 344A, 392A, 396A, 512A, 588A, 652A
• **Make a list**	14, 16A, 24, 25, 31, 40A, 62A, 68A, 100A, 168, 290A, 292A, 324, 325, 326A, 326B, 326, 327, 328, 329, 330, 331, 332A, 335, 353, 357, 361, 374A, 384A, 392A, 396A, 406A, 513, 530A, 666, 667, 692A, 717
• **Make a table**	34A, 76A, 80A, 140A, 140B, 140, 141, 142, 144, 146A, 152A, 181, 192A, 200A, 222A, 234A, 516A
• **Find a pattern**	11, 16A, 26, 49, 51, 59, 88, 89, 90, 90A, 91, 92, 93, 94A, 109, 111, 113, 116, 120, 122, 124A, 128, 128A, 132A, 136B, 136, 140A, 143, 150A, 152, 152A, 160A, 166A, 172, 173, 177, 181, 196A, 303, 312I, 329, 355, 359, 367, 368A, 371, 372A, 374A, 377, 378, 379, 380A, 406B, 406, 407, 439, 444A, 584A, 649, 651, 667
• **Work backwards**	4A, 8A, 10A, 12A, 20A, 22A, 24A, 30A, 32A, 34A, 38A, 40A, 136A, 140A, 176, 204A, 206A, 460A, 464A, 600, 600A, 648A, 712, 714A-714B, 714, 715, 716A 718, 723, 730, 733
Solve a simpler problem	10A, 22A, 38A, 72A, 64A, 68A, 90A, 102A, 158, 164A, 168A, 182, 190A, 192A, 216A, 270A, 340A, 372A, 380A, 386A, 390A, 402A, 408A, 412A, 444A, 488, 448A, 524A, 562A, 578A, 594A 646-647, 648A-648B, 648, 649, 650, 652A, 654A, 667, 675, 680, 684, 688A, 692A, 696A

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• **Draw a diagram**	35, 36, 90A 160, 162, 168, 586
• **Write an equation**	24A, 25, 27, 28A, 32A, 42, 48A, 53, 57, 62A, 72A, 75, 76A, 78, 80A, 81, 84, 86A, 87, 93, 96A, 96B, 102, 103, 105, 110, 112, 116, 119, 126, 130, 143, 149, 152A, 156B, 166A, 168, 176, 177, 222A, 226A, 289, 314A, 347, 373, 382, 385, 389, 391, 392B, 393, 394, 395, 396, 397, 400, 402A, 403, 404A, 409, 412, 422, 423, 429, 434A, 437, 440A, 452A, 456A, 460A, 468A, 476A, 478A, 488, 448A, 474A, 500A, 502A, 596A
• **Use Logical Deduction**	18, 19, 21, 38, 39, 76, 77, 80, 90, 91, 101, 140, 141, 142, 154, 155, 156A, 160A, 198, 199, 204B, 207, 216B, 222B, 222, 223, 226B, 228, 230A, 232B, 235, 256A, 258A, 262A, 273, 274A, 286, 287, 288A, 288B, 289, 296, 303, 312J, 315, 316A, 318, 333, 334, 337, 338B, 339, 342, 343, 344B, 345, 353, 359, 396A, 396B, 397, 402A, 402B, 402, 403, 406B, 406, 408A, 412A, 421, 449, 451, 453, 488, 500A, 504A, 512B, 515, 516B, 518, 520B, 522B, 524B, 526, 529, 534B, 538A, 583, 584-585, 586, 588A, 589, 590A, 593, 595, 596A, 598, 599, 611, 612, 615, 619, 628A, 632A, 636A, 638A, 648-649, 642A, 652A, 656A, 657, 662A

<u>Concepts and Principles of Measurement</u>—includes customary and metric units of measure around time, money, size, temperature, and weight, and the use of them in both calculating and estimating measurements.

RIT scores between 201 and 210

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Length, Weight, Volume	
• Find the volume of a figure using cubic units	476A, 476B, 476, 477, 480, 493, 500A, 502A
• Perform conversions between units of mass in the metric system; also as necessary in addition or subtraction problems	4A, 326A, 366A 658, 659, 660, 666A
• Select appropriate unit of measure for length and area	112, 468A, 468B, 468, 469, 470, 471, 476A, 478, 487, 493, 497, 500A, 508A, 513, 560J, 588A, 588, 589, 590A, 592, 593, 604, 605, 610, 616, 626, 653, 654A, 654B, 656, 656A, 657, 674, 690, 684, 710A
• Find the volume of rectangular solids using the formula	476A, 476B, 476, 477, 478A, 480, 481, 487, 493, 534A, 568A
Area, Perimeter, Circumference	
• Find the perimeter of a square or rectangle using the formula	50, 244, 464A, 464B, 464, 465, 466, 467, 478A, 480, 481, 487, 488, 493, 496, 521, 550, 676
• Solve practical word problems involving perimeter and area of a square, rectangle, or triangle	34A, 112, 198A, 256A, 342A, 464B, 466, 469, 472, 473, 474, 475, 476A, 478A, 481, 488, 497, 508A, 522A, 540A, 585, 600B, 624A, 648A
• Calculate the area of a triangle	Refer to Grade 5: 554, 555
Time, Temperature	
• Compute basic operations with units of time (include basic concept of time zones)	50, 118**,** 194, 196A, 196B, 196, 197, 198A, 198B, 198, 199, 202, 208A, 215, 216A, 219, 232A, 234A, 242, 243, 246, 250, 290A, 302, 354, 396A, 422, 460A**,** 488, 571, 592A, 612, 648A 691, 696A, 716A, 726

<u>Concepts and Language of Algebra, Functions, and Mathematical Models</u>—includes patterns, functions, solving equations, order of operations, properties, simplifying expressions and continues up through more difficult skills in Algebra specific content.

RIT scores between 201 and 210

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Patterns, Sequences, Functions	
• Use of a function "machine" to determine input and output	98-99, 98B, 105, 106, 127, 140, 141, 142, 164A, 164B, 164-165, 166A, 192A
Solving Equations and Inequalities, Simplifying Expressions, Order of Operations	
• Evaluate an expression having more than one operation (order of operations)	96A, 96B, 96-97, 160, 161
• Use the basic properties of multiplication to write an algebraic expression that is equivalent to a given algebraic expression	129, 288B, 288-289
• Solve equations involving more than one operation	96A, 96B, 96-97, 160, 161
• Multiply and divide polynomials	Related Content: 98, 99
• Solve equations involving rational numbers (addition and subtraction)	Refer to Grade 6: 412, 413
Properties	
• Use strategies to develop computational fluency with multiplication: zero property, property of one, arrays, doubles, nine patterns	129-130, 168A, 178, 184, 262A, 264A, 264B, 264-267, 270A, 305, 309, 314A-314B, 314-315, 320A, 320B, 320-323, 330, 342A, 353, 404A
• Use the basic properties of addition to write an algebraic expression equivalent to a given algebraic expression	62, 63, 76, 77, 78, 396, 397, 398
• Understand the properties of integers: commutative, associative, identity, zero property of multiplication, distributive property of multiplication over addition, and inverse property of addition	62, 129, 130, 131, 132, 288B, 288-289, 307, 311

<u>Concepts and Principles of Geometry</u>—includes properties of two- and three-dimensional objects, points, rays, lines, and angles including congruency, similarities, and transformations, surface area, the coordinate plane, trigonometry and the Pythagorean Theorem.

RIT scores between 201 and 210

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Shapes and Figures, 2- and 3-dimensional	
• Identify faces, edges, and corners (vertices) on solid figures	270A, 434A, 434B, 434, 435, 436, 437, 438, 438A, 439, 440, 444, 450, 451, 455, 461, 484, 486, 487, 490, 494, 710A
• Identify polygons: triangle, quadrilateral, pentagon, and octagon	28A, 302, 354, 422, 432I, 434B, 434, 437, 438A, 438B, 438, 439, 440A, 444A, 444B, 444, 445, 446, 447, 449, 450, 451, 452, 452A, 456A, 460, 463, 475, 484, 487, 490, 491, 494, 504A, 508A, 536A**,** 588A, 630A, 638A
• Identify quadrilaterals: square, rectangle, and parallelogram	196A, 258A, 302, 434B, 434, 437, 438A, 438B, 438, 439, 444A, 444B, 444, 445, 446, 447, 448A 449, 450, 452, 456A, 460, 463, 464, 484, 486, 487, 490, 494
• Identify, name, and analyze solid figures: cube, cylinder, triangular pyramid, and square pyramid (faces, edges, and vertices)	354**,** 422, 432, 434A, 434B, 434, 435, 436, 437, 438A, 448, 450, 456A, 460B, 460, 475, 484, 486, 487, 490, 494, 500A, 502A, 508A, 538A, 676
Symmetry and Transformations	
• Identify mirror images	452A, 452B, 452, 453, 454, 455, 456, 456A, 462, 463, 485, 491, 496, 504A, 676, 710A
Congruency and Similarity	
• Identify congruent figures, angles, and line segments	282A, 402A, 452A, 452B, 452, 453, 454, 455, 456A, 457, 458A, 458, 459, 460A, 462, 484, 487, 488, 490, 491, 492, 495, 496, 504A, 524A, 538A
Geometric Properties and Terminology	
• Identify points, lines, line segments, rays, planes, and angles	38A**,** 100A, 178**,** 440A, 440B, 440, 441, 442, 443, 444A, 444, 445, 447, 448, 450, 451, 458A 459, 484, 486, 487, 488, 490, 491, 494, 504A, 536A, 540A

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• **Identify the diameter of a circle**	448A, 449B, 448, 449, 450, 452A, 491,495, 508A
• **Identify intersecting, parallel, and perpendicular lines**	440A, 440B, 440, 441, 442, 443, 447, 450, 451, 484, 490, 494
• **Calculate the surface area of a rectangular prism**	471
• **Identify angles according to their measure: right obtuse, and acute**	38A, 100A, 458A, 486, 490, 494, 504A

Data Analysis, Probability, and Statistics—Students determine the mathematical probability of events, calculate measures of central tendency, and work with combinations and permutations. Interpret and predict information from charts, graphs, and tables.

RIT scores between 201 and 210

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Probability and Prediction	
• **Compute simple probability outcomes**	10A, 16A, 28A, 22A, 34A, 40A, 51, 113, 245, 286A, 303, 338A, 406A, 423, 522A, 590A, 642A, 704A-704B, 704-705, 706A, 706B, 706-707, 710A-710B, 716A-716B, 718-719, 723, 729, 732-733
• **Determine the probability of an outcome (multiple events)**	Related Content: 10A, 16A, 28A, 22A, 34A, 40A, 51, 113, 245, 286A, 303, 338A, 406A, 423, 522A, 590A, 642A, 704A-704B, 704-705, 706A, 706B, 706-707, 710A-710B, 716A-716B, 718-719, 723, 729, 732-733

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Use the counting principle to determine probability	704, 705
Statistics	
• Solve practical problems involving the mean (average) of a set of numbers	404-405, 406A, 406A, 411, 412, 414-415, 420, 421, 423, 427, 431, 438A, 464A, 504A, 564A, 727
Data Analysis	
• Solve problems using information from a picture graph (symbol may represent more than one)	204A-204B, 204-205, 215, 224, 238-239, 242, 243, 247, 251, 303, 307, 448A, 613
• Interpret data given in percent form on a circle graph and broken line graph	Related Content: 536A, 536B, 536, 537, 549, 555, 559

Scott Foresman – Addison Wesley Mathematics
Correlations to the
Idaho State Aligned Learning Continuum Release 1.0
Grade Five

Number Sense—includes ratios, proportions, fraction-decimal relationships, exponents, number theory, place value, and the relationship between numbers.

RIT scores between 211 and 220

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Factorization/Divisibility	
• Understand and use rules of divisibility	162A-162B, 162-163
• Identify the greatest common factor of two whole numbers: list the factors or prime factorization	414A-414B, 414-415
• Identify the greatest common factor and least common multiple of two whole numbers	414A-414B, 414-415, 416A-416B, 416-417, 464A-464B, 464-465
Fractions, Ratio and Proportion	
• Write improper fractions from picture presentations	400A-400B, 400-401
• Change a fractional numeral to its simplest form (lowest terms)	410A-410B, 410-411, 412A-412B, 412-413
• Compare and order fractions and mixed numbers	418A-418B, 418-419, 420A-420B, 420-421, 430A-430B, 430-431
• Identify and order decimal and fractional coordinates on a number line	430A-430B, 430-431
Decimals	
• Round monetary amounts to the nearest single coin or bill which could be used to pay for a purchase up to and including $20.00	86A-86B, 86-87, 138B, 138-139, 140-141
• Write the decimal equivalent of a fraction and label as repeating or terminating	426A-426B, 426-427, 670A-670B, 670-671
• Round decimals to nearest whole number, tenth, or hundredth	26A-26B, 26-27
• Write a terminating decimal as a fraction or mixed number	426A-426B, 426-427, 428-429

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Round decimals to nearest whole number, tenth, hundredth, or thousandth 27	26A-26B, 26-27
• Identify and order decimal and fractional coordinates on a number line	430A-430B, 430-431
Percents	
• Express a fraction as a decimal and as a percent	426A-426B, 426-427, 428-429, 670A-670B, 670-671
Integers	
• Identify the greater or lesser of 2 integers	712A-712B, 712-713, 714-715
• Order integers on a number line	712A-712B, 712-713, 714-715, 716-717
Place Value, Expanded and Standard Notation	
• Understand and identify the place value and value of each digit in numerals through the billions	4A-4B, 4-5, 8A-8B, 8-9, 10-11, 14A-14B, 14-15, 16-17
Ordering, Equalities and Inequalities	
• Compare and order fractions with the same denominator and with different denominators	418A-418B, 418-419, 420A-420B, 420-421, 430A-430B, 430-431
• Order decimals to thousandths; identify the greater or lesser of two decimals to thousandths	12A-12B, 12-13, 237, 430A-430B, 430-431
Exponents and Scientific Notation	
• Order of "powers"	Related Content: 16-17
• Write a whole number or a decimal in scientific notation	This standard is taught in Grade 6
• Write a number expressed in scientific notation in standard form	This standard is taught in Grade 6

<u>Estimation and Accurate Computations</u>—includes estimation, addition, subtraction, multiplication, division of whole numbers, fractions, decimals, percents, and positive and negative numbers, use of exponents, roots, logarithms and matrices.

RIT scores between 211 and 220

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Whole Numbers	
• Divide a 3-digit or 4-digit number by a 1-digit number	152A-152B, 152-153, 156A-156B, 156-157, 158A-158B, 158-159
• Use multiplication as a check for division	132A-132B, 132-133, 134-135, 698
• Multiply by multiples of 10 and 100 with an emphasis on mental math	66A-66B, 66-67
• Divide a 4-digit number by a 2-digit number	204A-204B, 204-205, 206, 214A-214B, 214-215, 216-217, 224A-224B, 224-225
Fractions	
• Add fractions with like denominators, answer in lowest terms	460A-460B, 460-461
• Add mixed numbers with unlike denominators with regrouping	462A-462B, 462-463, 466A-466B, 466-467, 468
• Multiply a whole number by a fraction	This standard is taught in Grade 6.
• Divide a fraction by a fraction	This standard is taught in Grade 6.
• Divide a mixed number by a whole number or a fraction	This standard is taught in Grade 6.
Decimals	
• Add decimals through hundred-thousandths with a calculator	Related Content: 88A-88B, 88-89, 90-91
• Multiply a decimal by a decimal, factors to thousandths	92A-92B, 92-93, 94A-94B, 94-95, 96
• Divide a decimal by a whole number and vice versa	230A-230B, 230-231, 234A-234B, 234-235, 236
• Compute basic operations with monetary amounts up to and including $20.00	87, 94B, 94, 96, 232B, 232-233
Integers	
• Add integers with like signs	716A-716B, 716-717, 718A-718B, 718-719
• Add integers with unlike signs	716A-716B, 716-717, 718A-718B, 718-719
• Add several integers	716A-716B, 716-717, 718A-718B, 718-719
• Multiply integers with unlike signs	This standard is taught in Grade 6.
• Divide integers with unlike signs	This standard is taught in Grade 6.

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Squares	
• Calculate the square of any number less than 100	141, 167

<u>Mathematical Reasoning and Problem Solving</u>—includes a variety of strategies such as guess and check, logical reasoning, using formulas, and working backwards to solve simple and multi-step problems in all mathematical areas.

RIT scores between 211 and 220

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
• Solve practical word problems involving perimeter and area of a square, rectangle or triangle	540A-540B, 540-541
• Solve practical problems involving the mean (average) of a set of numbers	282A-282B, 282-283, 284-285
• Solve one- and two-step word problems involving any combination of basic operations on whole numbers, decimals, and fractions	37, 38, 41, 74, 87, 88, 90, 96, 97, 154, 214, 216, 230, 231, 236, 396, 398, 461, 462, 499
• Determine the discount price and sale price	86-87, 94, 96, 232B, 232-233
• Choose and use an appropriate problem solving strategy: Draw a picture, Make a model, Guess and test, Make a list, Make a table, Find a pattern, Work backwards, Solve a simpler problem, Draw a diagram, or Write an equation	32A-32B, 32-33, 42B, 42-43, 44B, 44-45, 80B, 80-81, 100-101, 110-111, 144-145, 176A-176B, 176-177, 178, 180A-180B, 180-181, 210A-211, 238A-238B, 238-239, 276A-276B, 276-277, 278-279, 292A-292B, 292-293, 306-307, 352B, 352-353, 354-355, 356-357, 365, 372A, 372-373, 434B, 434-435, 436-437, 484A-484B, 484-485, 486-487, 504-505, 558B, 558-559, 606A-606B, 606-607, 660A-660B, 660-661, 706A-706B, 706-707, 708-708
• Calculate the cost of one item or the unit cost using a proportion	87, 94B, 94, 96, 232B, 232-233

<u>Concepts and Principles of Measurement</u>—includes customary and metric units of measure around time, money, size, temperature, and weight, and the use of them in both calculating and estimating measurements.

RIT scores between 211 and 220

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Length, Weight, Volume	
• Measure length to the nearest millimeter, centimeter, meter, and kilometer 40	534A-534B, 534-535
Area, Perimeter, Circumference	
• Calculate the area of irregular shapes	548A-548B, 548-549
• Understand the effects of changing dimensions on perimeter and area	550B, 550-551, 540A-540B
Time, Temperature	
• Compute word problems with time and calendars	562-563, 564A-564B, 564-565, 566-567

<u>Concepts and Language of Algebra, Functions, and Mathematical Models</u>—includes patterns, functions, solving equations, order of operations, properties, simplifying expressions and continues up through more difficult skills in Algebra specific content.

RIT scores between 211 and 220

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Patterns, Sequences, Functions	
• Use logic to solve a problem involving a function table	106A-106B, 106-107, 176A-176B, 176-177, 260A-260B, 260-261, 359, 658-659, 728-729
Solving Equations and Inequalities, Simplifying Expressions, Order of Operations	
• Solve decimal equations (one step, addition and subtraction)	38A-38B, 38-39, 40A-40B, 40-41
• Solve integer equations (one step, multiplication and division)	This standard is taught in Grade 6.
• Evaluate expressions using the order of operations (may include parentheses or exponents)	172A-172B, 172-173

Skills and Concepts	Teacher's Edition
• Solve quadratic equations	Readiness pages: 108-109, 696-699, 700-701, 702-703 These pages begin to prepare a student to meet this objective.
Properties	
• Understand the properties of integers: commutative, associative, identity, zero property of multiplication, distributive property of multiplication over addition, and inverse property of addition	712A-712B, 712-713, 714-715

<u>Concepts and Principles of Geometry</u>—includes properties of two- and three-dimensional objects, points, rays, lines, and angles including congruency, similarities, and transformations, surface area, the coordinate plane, trigonometry and the Pythagorean Theorem.

RIT scores between 211 and 220

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Shapes and Figures, 2- and 3-dimensional	
• Identify faces, edges, and corners (vertices) on solid figures	594A-594B, 594-595
• Contrast open and closed figures	Related Content: 340A-340B, 340-341, 342A-342B, 342-343, 346A-346B, 346-347, 350-351
• Identify polygons: triangle quadrilateral, pentagon, hexagon, and octagon	340A-340B, 340-341, 342A-342B, 342-343, 346A-346B, 346-347, 360-361
• Identify quadrilaterals: square, rectangle, parallelogram, trapezoid, rhombus	340A-340B, 340-341, 346A-346B, 346-347, 348-349
• Analyze solid figures: triangular pyramid and rectangular pyramid (faces, edges, and vertices)	594A-594B, 594-595, 596-597, 598A-598B, 598-599, 600-601
Congruency and Similarity	
• Identify similar figures (same shape, may or may not be the same size)	360A-360B, 360-361, 362
• Identify congruent polygons and their corresponding sides and angles	360A-360B, 360-361, 362; Notes: Congruent angles are taught in Grade 6.
Symmetry and Transformations	
• Identify types of transformations (rotation)	364A-364B, 364-365, 366

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Geometric Properties and Terminology	
• Identify points, lines, line segments, rays, and angles	328A-328B, 328-329, 330-331
• Identify angles: right, obtuse, and acute are perpendicular	332A-332B, 332-333, 334-335, 338-339
• Identify properties of similar figures	360A-360B, 360-361, 362
• Measure angles using a protractor	332A-332B, 332-333, 334-335

<u>Data Analysis, Probability, and Statistics</u>—Students determine the mathematical probability of events, calculate measures of central tendency, and work with combinations and permutations. Interpret and predict information from charts, graphs, and tables.

RIT scores between 211 and 220

Skills and Concepts	Scott Foresman – Addison Wesley Mathematics Teacher's Edition
Probability and Prediction	
• Investigate experimental probability of an event using a coin or spinner	302A-302B, 302-303
Combinations and Permutations	
• Solve problems involving arrangements	305
Data Analysis	
• Read and interpret information from a graph	174A-174B, 174-175, 262A-262B, 262-263, 264-265, 266A-266B, 266-267, 268-269, 270A, 288A-288B, 288-289, 290-291, 724A-724B, 724-725, 728-729
• Interpret Venn Diagrams	103
• Make predictions from a graph	Can be developed from: 6-7, 12, 16, 27, 28, 30, 33, 36-37, 67, 69, 74, 77, 90, 96, 107, 302-305