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IDAHO ACHIEVEMENT STANDARDS CORRELATED TO *MOVING WITH MATH®* *EXTENSIONS GRADE 4*

		Student Book	Skill Builders
STANDARD 1: NUMBER AND OPERATION			
Goal 1.1: Understand and use numbers.			
By the end of 4th Grade, the student will be able to:			
4.M.1.1.1	Read, write, compare, and order whole numbers to 100,000. (297.01.a)	1-7	1-1, 2-1, 4-1, 5-1
4.M.1.1.2	Identify and apply place value in whole numbers. (297.01.b)	1-4	1-1, 6-1
4.M.1.1.3	Count the value of a collection of bills and coins up to \$100.00 (297.01.c)	24, 33	47-2, 47-3
4.M.1.1.4	Read, write, compare, and order commonly used fractions with pictorial representations. (297.01.d)	45-48	30-1, 31-1, 32-1
4.M.1.1.5	Use decimal numbers with money. (297.01.e)	24, 33	47-2, 47-3
4.M.1.1.6	Select strategies appropriate for solving a problem. (298.01.a)	21, 23, 36, 44	14-1, 19-1, 24-1, 29-1, 48-1, 49-1, 49-3
4.M.1.1.7	Use appropriate vocabulary. (297.01.f)	Glossary and vocabulary words in lessons	
Goal 1.2: Perform computations accurately.			
By the end of 4th Grade, the student will be able to:			
4.M.1.2.1	Recall multiplication facts through 10 x 10. (297.02.e)	25-27	20-1 to 20-3, 21-1, 21-2, 22-1, 23-1
4.M.1.2.2	Add and subtract whole numbers. (297.02.a)	11-20	9-1, 9-2, 10-1, 11-1, 12-1, 13-1, 15-1, 15-2, 16-1, 17-1, 18-1
4.M.1.2.3	Multiply up to 2-digit by 2-digit whole numbers and divide whole numbers by 1-digit divisors. (297.02.b)	25-32, 35, 37-43	20-1 to 20-3, 21-1, 21-2, 22-1, 23-1, 25-1 to 25-4, 26-1, 27-1, 27-2, 28-1

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4.M.1.2.4	Add and subtract fractions with like denominators that do not require simplification. (297.02.c)	49, 50	33-1, 33-2, 34-1
4.M.1.2.5	Add and subtract decimals using money. (297.02.d)		47-1
4.M.1.2.6	Select and use an appropriate method of computation from mental math, paper and pencil, calculator, or a combination of the three. (297.02.f)	11-20, 25-32, 35, 37-43, 49, 50	9-1, 9-2, 10-1, 11-1, 12-1, 13-1, 15-1, 15-2, 16-1, 17-1, 18-1, 20-1 to 20-3, 21-1, 21-2, 22-1, 23-1, 25-1 to 25-4, 26-1, 27-1, 27-2, 28-1, 33-1, 33-2, 34-1
4.M.1.2.7	Select and use appropriate operations to solve word problems and show or explain work. (298.01.b)	21, 23, 36, 44	14-1, 19-1, 24-1, 29-1, 48-1, 49-1, 49-3
4.M.1.2.8	Use appropriate vocabulary. (297.02.g)	Glossary and vocabulary words in lessons	
	Goal 1.3: Estimate and judge reasonableness of results.		
	By the end of 4th Grade, the student will be able to:		
4.M.1.3.1	Estimate to predict computation results. (297.03.a)	9, 10, 22, 34	7-1, 8-1
4.M.1.3.2	Use estimation to evaluate the reasonableness of an answer. (297.03.b)	9, 10, 22, 34	7-1, 8-1
4.M.1.3.3	Investigate the use of a four-function calculator to solve complex grade-level problems. (298.03.a)		
4.M.1.3.4	Use appropriate vocabulary. (297.03.c)	Glossary and vocabulary words in lessons	
	STANDARD 2: CONCEPTS AND PRINCIPLES OF MEASUREMENT		
	Goal 2.1: Understand and use customary and metric measurements.		
	By the end of 4th Grade, the student will be able to:		
4.M.2.1.1	Select and use appropriate units and tools to make the formal measurements of length, temperature, and weight in both systems. (299.01.a)	55-59	41-1, 41-2, 42-1, 43-1, 44-1, 45-1

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4.M.2.1.2	Estimate length, time, weight, and temperature in real-world problems using standard units (299.01.b)	56	
4.M.2.1.3	Tell time to the nearest minute using digital and analog clocks. (299.01.e)	55, 56	41-1, 41-2
4.M.2.1.4	Solve real-world problems related to elapsed time. (299.01.f)	55, 56	41-1, 41-2
4.M.2.1.5	Convert units of length and time within the U.S. Customary system. (299.01.c)	55-59	41-1, 41-2, 43-1
4.M.2.1.6	State that there are 365 days in a year and 52 weeks in a year.		
4.M.2.1.7	Recall length and volume (capacity) equivalences involving inches, feet, yards, cups, pints, quarts, and gallons in the U.S. Customary system.	58, 59	44-1, 45-1
4.M.2.1.8	Use appropriate vocabulary. (299.01.g)	Glossary and vocabulary words in lessons	
	Goal 2.2: Apply the concepts of rates, ratios, and proportions.		
	No objectives at this grade level.		
	Goal 2.3: Apply dimensional analysis.		
	No objectives at this grade level.		
	STANDARD 3: CONCEPTS AND LANGUAGE OF ALGEBRA AND FUNCTIONS		
	Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.		
	By the end of 4th Grade, the student will be able to:		
4.M.3.1.1	Write a division problem using a bracket and/or the division symbol. (300.01.a)		
4.M.3.1.2	Write a number sentence using simple geometric shapes or letters of the alphabet as symbols to represent an unknown number. (300.01.b)		49-2
4.M.3.1.3	Show the relationship between multiplication and division using fact families.	38, 39	25-3
4.M.3.1.4	Read and use symbols of "<," ">," and "=" to express relationships with numbers through 1,000,000. (300.01.c)	5, 47	2-1, 32-1
	Goal 3.2: Evaluate algebraic expressions.		
	By the end of 4th Grade, the student will be able to:		

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4.M.3.2.1	Use the identity and zero properties of multiplication.		
	Goal 3.3: Solve algebraic equations and inequalities.		
	By the end of 4th Grade, the student will be able to:		
4.M.3.3.1	Solve missing factor equations. (300.03.a)		
	Goal 3.4: Understand the concept of functions.		
	By the end of 4th Grade, the student will be able to:		
4.M.3.4.1	Identify the rule (function) for a pattern using whole numbers and addition and then extend the pattern. (303.01.a)	8	3-1
4.M.3.4.2	Use appropriate vocabulary. (303.01.c)	Glossary and vocabulary words in lessons	
	Goal 3.5: Represent equations, inequalities and functions in a variety of formats.		
	No objectives at this grade level.		
	Goal 3.6: Apply functions to a variety of problems.		
	No objectives at this grade level.		
	STANDARD 4: CONCEPTS AND PRINCIPALS OF GEOMETRY		
	Goal 4.1: Apply concepts of size, shape, and spatial relationships.		
	By the end of 4th Grade, the student will be able to:		
4.M.4.1.1	Identify, compare, and analyze attributes of two- and three-dimensional shapes, including parallel, intersecting, and perpendicular lines, and develop vocabulary to describe the attributes. (301.01.a)	51-53	35-1, 36-1, 37-1, 39-2, 40-1
4.M.4.1.2	Predict the results of sliding and flipping two-dimensional shapes. (301.01.d)	54	39-1
4.M.4.1.3	Identify multiple lines of symmetry in two-dimensional shapes.		38-1
4.M.4.1.4	Discuss perimeters of polygons, and areas and perimeters of rectangles and squares, using concrete objects. (301.01.c)	60-62	46-1, 46-2

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4.M.4.1.5	Use appropriate vocabulary. (301.01.e)	Glossary and vocabulary words in lessons	
	Goal 4.2: Apply the geometry of right triangles.		
	No objectives at this grade level.		
	Goal 4.3: Apply graphing in two dimensions.		
	By the end of 4th Grade, the student will be able to:		
4.M.4.3.1	Use ordered pairs to identify the position of a point in the first quadrant on a coordinate grid.		50-5
	STANDARD 5: DATA ANALYSIS, PROBABILITY, AND STATISTICS		
	Goal 5.1: Understand data analysis.		
	By the end of 4th Grade, the student will be able to:		
4.M.5.1.1	Read and interpret simple tables, charts, bar graphs, and line graphs. (302.01.a)	63, 64	50-1 to 50-3
4.M.5.1.2	Use appropriate vocabulary. (302.01.c)	63, 64	50-1 to 50-3
	Goal 5.2: Collect, organize, and display data.		
	By the end of 4th Grade, the student will be able to:		
4.M.5.2.1	Collect, order, and display data in tables and charts to answer a question. (302.02.a)	63, 64	50-1 to 50-3
4.M.5.2.2	Display data in a bar graph using appropriate notation such as a title, axes labels, and reasonable scales. (302.02.a)	63, 64	50-1 to 50-3
	Goal 5.3: Apply simple statistical measurements.		
	By the end of 4th Grade, the student will be able to:		
4.M.5.3.1	Find the mode of a simple set of whole number data.		50-6
	Goal 5.4: Understand basic concepts of probability.		
	By the end of 4th Grade, the student will be able to:		
4.M.5.4.1	Predict the results of simple probability experiments using coins or spinners (e.g., 3 out of 6 choices). (302.04.a)		50-4, 50-7

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	Goal 5.5: Make predictions or decisions based on data.		
	By the end of 4th Grade, the student will b able to:		
4.M.5.5.1	Make predictions based on data. (298.01.c)		50-4, 50-7