



# Math Teachers Press, Inc.

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## IDAHO ACHIEVEMENT STANDARDS CORRELATED TO *MOVING WITH MATH®* *INTERMEDIATE/MIDDLE (IM) GRADE 5*

		IM1 <i>Number, Reasoning &amp; Data</i> Student Book Skill Builders (SB)	IM2 <i>Fractions, Decimals &amp; Percent</i> Student Book Skill Builders (SB)	IM3 <i>Geometry, Measurement, Graphing</i> Student Book Skill Builders (SB)
<b>STANDARD 1: NUMBER AND OPERATION</b>				
<b>Goal 1.1: Understand and use numbers.</b>				
By the end of 5th Grade, the student will be able to:				
1.1.1	Read, write, compare, and order whole numbers through billions and decimal numbers through thousandths. (307.01.a)	6-8 <b>SB:</b> 2-1 to 2-4	46 <b>SB:</b> 22-1, 22-2	
1.1.2	Identify and apply place value in whole numbers and decimal numbers to thousandths. (307.01.b)	2-5 <b>SB:</b> 1-1 to 1-5	45 <b>SB:</b> 23-1 to 23-4	
1.1.3	Identify commonly used equivalent fractions. (307.01.c)		2-5 <b>SB:</b> 11-1 to 11-6	
1.1.4	Compare and order commonly used fractions using fraction benchmarks. (307.01.f)		10, 11, 18, 24 <b>SB:</b> 13-1 to 13-5	
1.1.5	Apply the number theory concepts of primes, composites, multiples, and factors. (307.01.f)	13-18 <b>SB:</b> 4-1 to 4-6		
1.1.6	Use appropriate vocabulary.	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout
<b>Goal 1.2: Perform computations accurately.</b>				

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	By the end of 5h grade, the student will be able to:			
<b>1.2.1</b>	Multiply and divide whole numbers. (307.02.a)	31-48 <b>SB:</b> 8-1 to 8-7, 9-1 to 9-5, 10-1 to 10-7		
<b>1.2.2</b>	Add and subtract fractions with like denominators without simplification. (307.02.b)		14-17 <b>SB:</b> 15-1 to 15-3, 16-1 to 16-4	
<b>1.2.3</b>	Add and subtract decimal numbers through thousandths, including making change. (307.02.c)		54-56 <b>SB:</b> 26-1 to 26-4	
<b>1.2.4</b>	Recall basic multiplication and division facts up to 10's. (307.02.d)	31 <b>SB:</b> 8-1		
<b>1.2.5</b>	Evaluate numerical expressions that include parentheses. (307.02.e)	22 <b>SB:</b> 5-7-, 5-8		
<b>1.2.6</b>	Select and use an appropriate method of computation from mental math, paper and pencil, calculator or combination of the three. (307.02.f)			
<b>1.2.7</b>	Use a variety of strategies to solve real life problems. (308.01.a)	54-58		
<b>1.2.8</b>	Use appropriate vocabulary. (307.02.g)	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout
	<b>Goal 1.3: Estimate and judge reasonableness of results.</b>			
	By the end of 5h Grade, the student will be able to:			
<b>1.3.1</b>	Estimate to predict computation results. (307.03.a)	27, 28, 51, 52 <b>SB:</b> 49-1, 49-2, 50-1 to 50-3		
<b>1.3.2</b>	Identify when an estimate is sufficient or when an exact answer is required. (307.03.b)	30		

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<b>1.3.3</b>	Explain why a given estimate is an overestimate or underestimate. (307.03.c)			
<b>1.3.4</b>	Use appropriate vocabulary. (307.03.d)	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout
	<b>STANDARD 2: CONCEPTS AND PRINCIPLES OF MEASUREMENT.</b>			
	<b>Goal 2.1: Understand and use customary and metric measurements.</b>			
	<b>By the end of 5th Grade, the student will be able to:</b>			
<b>2.1.1</b>	Select and use appropriate units and tools to make formal measurements in both systems. (309.01.a)			29-33 <b>SB:</b> 36-1, 36-3, 36-5
<b>2.1.2</b>	Estimate measurements in real-world problems using standard units. (309.01.b)			30-33 <b>SB:</b> 36-1 to 36-7
<b>2.1.3</b>	Measure perimeter and area in both systems. (309.01.c)			40-51 <b>SB:</b> 38-1 to 38-13
<b>2.1.4</b>	Solve problems involving elapsed time, length, perimeter, and area. (309.01.d)			
<b>2.1.5</b>	Recall length, capacity, and mass equivalences in the metric system.			36, 37 <b>SB:</b> 42-1, 42-2
<b>2.1.6</b>	Convert units of length within each system. (309.01.e)			30-33 <b>SB:</b> 36-1 to 36-7
<b>2.1.7</b>	Use appropriate vocabulary. (309.01.g)	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout
	<b>Goal 2.2: Apply the concepts of rates, ratios, and proportions.</b>			

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	No objectives at this grade level.			
	<b>Goal 2.3: Apply dimensional analysis.</b>			
	No objectives at this grade level.			
	<b>STANDARD 3: CONCEPTS AND LANGUAGE OF ALGEBRA AND FUNCTIONS.</b>			
	<b>Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>3.1.1</b>	Formulate conjectures and discuss why students must be or seem to be true. (308.02.c)			
<b>3.1.2</b>	Translate simple word statements for addition and multiplication into numeric expressions. (310.01.b)	70		
<b>3.1.3</b>	Read and use symbols of "<," ">," and "=" to express relationships. (310.01.c)	7 <b>SB:</b> 2-1 to 2-4		
	<b>Goal 3.2: Evaluate algebraic expressions.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>3.2.1</b>	use the following properties as students relate to addition and multiplication: commutative, associative, and distributive. (310.02.a)	19-21 <b>SB:</b> 5-1 to 5-8		
	<b>Goal 3.3: Solve algebraic equations and inequalities.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>3.3.1</b>	Solve missing factor problems. (310.03.a)			

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	<b>Goal 3.4: Understand the concept of functions.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>3.4.1</b>	Identify a rule for a pattern using whole numbers and extend the pattern. (310.01.a)	73-75 <b>SB:</b> 44-1 to 44-6		21, 22 <b>SB:</b> 44-1
<b>3.4.2</b>	Use appropriate vocabulary. (313.01.d)	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout
	<b>Goal 3.5: Represent equations, inequalities and functions in a variety of formats.</b>			
	No objectives at this grade level.			
	<b>Goal 3.6: Apply functions to a variety of problems.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>3.6.1</b>	Use patterns to represent and solve simple problems. (313.02.a)	73-76, 78 <b>SB:</b> 44-1 to 44-5		
	<b>STANDARD 4: CONCEPTS AND PRINCIPLES OF GEOMETRY</b>			
	<b>Goal 4.1: Apply concepts of size, shape, and spatial relationships.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>4.1.1</b>	Identify, compare and analyze attributes of polygons and polyhedra and develop vocabulary to describe the attributes. (311.01.a)			7-12 <b>SB:</b> 34-1 to 34-10
<b>4.1.2</b>	Identify and label points, lines, line segments, rays, and angles. (311.01.b)			2 <b>SB:</b> 31-1, 31-2

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<b>4.1.3</b>	Classify angles without formal measures as acute right, obtuse, and/or straight.			5 SB: 33-1
<b>4.1.4</b>	Calculate the perimeter of polygons and the area of rectangles and squares. (311.01.d)			40-51 SB: 38-1 to 38-13
<b>4.1.5</b>	Discuss and predict the results of sliding, flipping, and turning two-dimensional shapes. (311.01.e)			20 SB: 60-4, 60-5
<b>4.1.6</b>	Use appropriate vocabulary. (311.01.f)			
	<b>Goal 4.2: Apply the geometry of right triangles.</b>			
	No objectives at this grade level.			
	<b>Goal 4.3: Apply graphing in two dimensions.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>4.3.1</b>	Use ordered pairs to identify and plot points in the first quadrant on a coordinate grid. (311.02.a)			15, 16 SB: 43-1
	<b>STANDARD 5: DATA ANALYSIS, PROBABILITY, AND STATISTICS</b>			
	<b>Goal 5.1: Understand data analysis.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>5.1.1</b>	Read and interpret tables, charts, bar graphs, and line graphs. (312.01.a)			72, 73, 75, 76 SB: 48-1 to 48-5
<b>5.1.2</b>	Use appropriate vocabulary. (312.01.c)	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout

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	<b>Goal 5.2: Collect, organize, and display data.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>5.2.1</b>	Collect, organize, and display the data with appropriate notation in tables, charts, bar graphs, and line graphs. (312.02.a)			66-73, 75, 76 <b>SB:</b> 47-1 to 47-6
				<b>SB:</b> 48-1 to 48-5
	<b>Goal 5.3: Apply simple statistical measurements.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>5.3.1</b>	Find measures of central tendency - median and mode - with simple sets of data using whole numbers. (312.03.a)	59-62 <b>SB:</b> 46-1 to 46-5		65 <b>SB:</b> 46-1
<b>5.3.2</b>	Find the range of a set of data using whole numbers. (312.03.b)			65
	<b>Goal 5.4: Understand basic concepts of probability.</b>			
	By the end of 5th Grade, the student will be able to:			
<b>5.4.1</b>	Predict, perform, and record results of simple probability experiments using fraction notation. (312.04.a)		73-75 <b>SB:</b> 57-1 to 57-5	
<b>5.4.2</b>	Use the language of probability. (312.04.b)	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout	Glossary and vocabulary words throughout
	<b>Goal 5.5: Make predictions or decisions based on data.</b>			
	By the end of 5th Grade, the student will be able to:			

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<b>5.5.1</b>	Make predictions and decisions based on information. (308.01.c)		73-75 <b>SB:</b> 57-1 to 57-5	