

Idaho Extended Standards Draft
Extended Content Indicators
Grade 1
Mathematics

Standard 1: Number and Operation- Students in Grade 1 demonstrate knowledge of our numeration system by counting forward by ones and tens to 100 and by counting backward by ones from 20. Students read, write, compare, and order whole numbers to 100 and students identify place value through 99. Students identify each and state the value of pennies, nickels, and dimes. Students use objects, pictures, and symbols to add up to 10 and subtract from up to 9.

Extended Standard 1: Students in Grade 1 demonstrate knowledge of our numeration system by counting and the recognition of numbers. Students read, write, compare, or order whole numbers. Students sort the coins - pennies, nickels, and dimes. Students use objects and pictures to explore more by adding and less by subtracting.

Topic	GR	Goals	Objectives	Essence	Extended Content Indicators
	1.M.1.1	Goal 1.1: Understand and use numbers.	1.M.1.1.1 Demonstrate knowledge of our numeration system by counting forward by ones and tens to 100, by counting backward by ones from 20, and by counting with ordinal numbers. (267.01.a)		1.M.1.1.1A Indicate recognition of various #'s in environments
			1.M.1.1.2 Read, write, compare, and order whole numbers to 100. (267.01.b)		1.M.1.1.2A Communicate and demonstrate physical representations for numbers up to 5.
			1.M.1.1.3 Identify place value through 99. (267.01.c)		1.M.1.1.3A Show the symbolic representation of the ones place value.
			1.M.1.1.4 Identify each and state the value of pennies, nickels, and dimes. (267.01.d)		1.M.1.1.4A Sort coins by identity.
			1.M.1.1.5 Select strategies appropriate for solving a problem. (268.01.a)		1.M.1.1.5 Given options, match the appropriate solution to solve a problem.
			1.M.1.1.6 Use appropriate vocabulary.		1.M.1.1.6A Attend to appropriate math vocabulary terms.

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Extended Standard 1: Students in Grade 1 demonstrate knowledge of our numeration system by counting and the recognition of numbers. Students read, write, compare, or order whole numbers. Students sort the coins - pennies, nickels, and dimes. Students use objects and pictures to explore more by adding and less by subtracting.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	1.M.1.2	Goal 1.2: Perform computations accurately.	1.M.1.2.1 Use objects, pictures, and symbols to add up to 10 and subtract from up to 9. (267.02.a)		1.M.1.2.1 A Use objects, pictures, or symbolic systems to explore addition or subtraction
			1.M.1.2.2 Solve addition problems using objects, pictures, and symbols for sums up to 10. (268.01.a)		1.M.1.2.2 A Count two groups of objects, pictures or symbolic system to identify total quantity up to five.
			1.M.1.2.3 Solve subtraction problems using objects, pictures, and symbols from up to 9. (268.01.a)		1.M.1.2.3A Recognize the concept of subtraction (less) using concrete objects, pictures, or symbols.
			1.M.1.2.4 Use appropriate vocabulary. (267.02.b)		1.M.1.2.4A Attend to appropriate math vocabulary terms

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Extended Standard 1: Students in Grade 1 demonstrate knowledge of our numeration system by counting and the recognition of numbers. Students read, write, compare, or order whole numbers. Students sort the coins - pennies, nickels, and dimes. Students use objects and pictures to explore more by adding and less by subtracting.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	1.M.1.3	Goal 1.3: Estimate and judge reasonableness of results.	1.M.1.3.1 Estimate a quantity of objects when shown a set of 10. (267.03.a)		1.M.1.3.1 A Identify objects of corresponding size.
			1.M.1.3.2 Use estimation to evaluate the reasonableness of an answer. (267.03.c)		1.M.1.3.2 A Attend to quantity or size of objects during estimation activities.
			1.M.1.3.3 Use appropriate vocabulary. (267.03.d)		1.M.1.3.3 A Attend to appropriate vocabulary.

Standard 2: Concepts and Principles of Measurement - Students in Grade 1 use non-standard tools and units for measuring time, length, or weight.

Extended Standard 2: Students in Grade 1 use non-standard tools and units for measuring time, length, weight, or temperature.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	1.M.2.1	Goal 2.1: Understand and use U.S. customary and metric measurements.	1.M.2.1.1 Use non-standard tools and units for measuring length, volume (capacity), and weight. (269.01.a)		1.M.2.1.1 A Match sizes of objects given an attribute (e.g., longer, shorter, larger, smaller).
			1.M.2.1.2 Estimate measurement using non-standard units. (269.01.b)		1.M.2.1.2A Estimate an attribute of an object using non-standard units, i.e. as big as..., same size as...
			1.M.2.1.3 Tell time to the hour.		1.M.2.1.3 A Identify time of day by activity – e.g. morning before school, schooltime, after school, after dinner
			1.M.2.1.4 Recite the days of the week, in order, and identify yesterday and tomorrow on a calendar.		1.M.2.1.4 AA Identify a calendar and how the days of the week are represented.
			1.M.2.1.5 Use appropriate vocabulary. (269.01.d)		1.M.2.1.5 A Attend to appropriate vocabulary.

Standard 2: Concepts and Principles of Measurement - Students in Grade 1 use non-standard tools and units for measuring time, length, volume, weight, and temperature.

Extended Standard 2: Students in Grade 1 use non-standard tools and units for measuring time, length, weight, or temperature.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	1.M.2.2	Goal 2.2: Apply the concepts of rates, ratios, and proportions.	No objectives at this grade level.		No objectives at this grade level.

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Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.2.3	Goal 2.3: Apply dimensional analysis.	No objectives at this grade level.		No objectives at this grade level.

Standard 3: Concepts and Language of Algebra and Functions - Students in Grade 1 compare numbers to 99 using the vocabulary words/phrases of less than, greater than, equal to, more, less, same, fewer. Students draw a picture and/or write a number sentence given an addition word problem. Students describe and extend repeating patterns.

Extended Standard 3: Students in Grade 1 compare numbers using the vocabulary words/phrases such as less than, greater than, equal to, more, less, same, fewer. Students express numbers with a symbolic system, picture, object, numeral symbol. Students repeat patterns.

Topic	Gr	Goal	Objectives	Essence	Extended Content Indicators
	1.M.3.1	Goal 3.1: Use algebraic symbolism as a tool to represent mathematical relationships.	1.M.3.1.1 Write an addition problem in both vertical and horizontal form. (270.01.a)		1.M.3.1.1A Express numbers using symbolic expression or a concrete system.
			1.M.3.1.2 Draw a picture and/or write a number sentence when given an addition word problem. (270.01.b; 268.02.a)		1.M.3.1.2 A Substitute concrete object(s) for the symbolic expression of a number.
			1.M.3.1.3 Compare numbers to 99 using vocabulary (less than, greater than, equal to, more, less, same, fewer). (270.01.c)		1.M.3.1.3 A Identify sets of concrete objects using vocabulary (less than, more than, equal to, more, less, same, bigger, smaller, etc).

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Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.3.2	Goal 3.2: Evaluate algebraic expressions.	No objectives at this grade level.		No objectives at this grade level.

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Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.3.3	Goal 3.3: Solve algebraic equations and inequalities.	No objectives at this grade level.		No objectives at this grade level.

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Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.3.4	Goal 3.4: Understand the concept of functions.	1.M.3.4.1 Describe and extend a repeating pattern (e.g., ABACABAC). (273.01.a)		1.M.3.4.1A Replicate a simple repeating pattern (e.g., red, blue, red, blue...)
			1.M.3.4.2 Use appropriate vocabulary. (273.01.c)		1.M.3.4.2 A Attend to appropriate vocabulary.

Standard 3: Concepts and Language of Algebra and Functions - Students in Grade 1 compare numbers to 99 using the vocabulary words/phrases of less than, greater than, equal to, more, less, same, fewer. Students draw a picture and/or write a number sentence given an addition word problem. Students describe and extend repeating patterns.

Extended Standard 3: Students in Grade 1 compare numbers using the vocabulary words/phrases such as less than, greater than, equal to, more, less, same, fewer. Students express numbers with a symbolic system, picture, object, numeral symbol. Students repeat patterns.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.3.5	Goal 3.5: Represent equations, inequalities and functions in a variety of formats.	No objectives at this grade level.		No objectives at this grade level.

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Extended Standard 3: Students in Grade 1 compare numbers using the vocabulary words/phrases such as less than, greater than, equal to, more, less, same, fewer. Students express numbers with a symbolic system, picture, object, numeral symbol. Students repeat patterns.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.3.6	Goal 3.6: Apply functions to a variety of problems.	No objectives at this grade level.		No objectives at this grade level.

Standard 4: Concepts and Principles of Geometry - Students in Grade 1 recognize, name, build, draw, and sort the two- and three-dimensional shapes of triangles, squares, circles, rectangles, and cylinders.

Extended Standard 4: Students in Grade 1 recognize, name, build, draw, or sort the dimensional shapes, such as of triangles, squares, circles, rectangles, blocks, cones.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.4.1	Goal 4.1: Apply concepts of size, shape, and spatial relationships.	1.M.4.1.1 Recognize, name, build, draw, and sort two- and three-dimensional shapes (triangle, rectangle, square, circle, cone, cube, cylinder). (271.01.a)		1.M.4.1.1.A Recognize and sort two-dimensional shapes - triangle, square or circle
			1.M.4.1.2 Sort and classify objects by more than one attribute. (273.01.b)		1.M.4.1.2.A Sort or match objects by more than one attribute.
			1.M.4.1.3 Use appropriate vocabulary. (271.01.d)		1.M.4.1.3A Attend to appropriate vocabulary.

Standard 4: Concepts and Principles of Geometry - Students in Grade 1 recognize, name, build, draw, and sort the two- and three-dimensional shapes of triangles, squares, circles, rectangles, and cylinders.

Extended Standard 4: Students in Grade 1 recognize, name, build, draw, or sort the dimensional shapes, such as of triangles, squares, circles, rectangles, blocks, cones.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.4.2	Goal 4.2: Apply the geometry of right triangles.	No objectives at this grade level.		No objectives at this grade level.

Standard 4: Concepts and Principles of Geometry - Students in Grade 1 recognize, name, build, draw, and sort the two- and three-dimensional shapes of triangles, squares, circles, rectangles, and cylinders.

Extended Standard 4: Students in Grade 1 recognize, name, build, draw, or sort the dimensional shapes, such as of triangles, squares, circles, rectangles, blocks, cones.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.4.3	Goal 4.3: Apply graphing in two dimensions.	1.M.4.3.1 Indicate whether a number is above or below a benchmark number (100 or less) on a number line.		1.M.4.3.1.A Indicate whether a group of objects is more or less than a benchmark number (5 or less)

Standard 5: Data Analysis, Probability, and Statistics - Students in Grade 1 interpret information found in real object graphs and in pictographs to answer questions. Students gather and display data in graphs to answer a question.

Extended Standard 5: Students in Grade 1 identify information found in real object graphs and in pictographs to answer questions. Students use data in graphs to answer a question.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.5.1	Goal 5.1: Understand data analysis.	1.M.5.1.1 Interpret information found in real object graphs and in pictographs to answer questions. (272.01.a)		1.M.5.1.1.A Identify information found in real object graphs or in pictographs to answer questions.
			1.M.5.1.2 Use appropriate vocabulary. (272.01.b)		1.M.5.1.2 A Attend to appropriate vocabulary.

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Extended Standard 5: Students in Grade 1 identify information found in real object graphs and in pictographs to answer questions. Students use data in graphs to answer a question.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.5.2	Goal 5.2: Collect, organize, and display data.	1.M.5.2.1 Gather and display data in real object graphs and in pictographs to answer a question. (272.02.a)		1.M.5.2.1.A Use data in real object graphs or in pictographs to answer a question.

Standard 5: Data Analysis, Probability, and Statistics - Students in Grade 1 interpret information found in real object graphs and in pictographs to answer questions. Students gather and display data in graphs to answer a question.

Extended Standard 5: Students in Grade 1 identify information found in real object graphs and in pictographs to answer questions. Students use data in graphs to answer a question.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.5.3	Goal 5.3: Apply simple statistical measurements.	No objectives at this grade level.		No objectives at this grade level.

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Extended Standard 5: Students in Grade 1 identify information found in real object graphs and in pictographs to answer questions. Students use data in graphs to answer a question.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.5.4	Goal 5.4: Understand basic concepts of probability.	No objectives at this grade level.		No objectives at this grade level.

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Extended Standard 5: Students in Grade 1 identify information found in real object graphs and in pictographs to answer questions. Students use data in graphs to answer a question.

Topic	Gr	Goal	Objective	Essence	Extended Content Indicators
	1.M.5.5	Goal 5.5: Make predictions or decisions based on data.	No objectives at this grade level.		No objectives at this grade level.