

Main Criteria: Georgia Standards of Excellence
Secondary Criteria: Elementary Mathematics Grade 1 v21
Subject: Mathematics
Grade: 1
Correlation Options: Show Correlated

Georgia Standards of Excellence
Mathematics
Grade: 1 - Adopted: 2021

STRAND/TOPIC **1st Grade**

STANDARD / DESCRIPTION		NUMERICAL REASONING – counting, numbers, equality, place value, addition, subtraction
ELEMENT	1.NR.1:	Extend the count sequence to 120. Read, write, and represent numerical values to 120 and compare numerical values to 100.

ELEMENT/GLE	1.NR.1.1.	Count within 120, forward and backward, starting at any number. In this range, read and write numerals and represent a number of objects with a written numeral.
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Elementary Mathematics Grade 1 v21

01.04 Solve Subtraction Equations
02.01 Counting On
02.03 Using a Ten Frame
02.04 Count Back to Subtract
03.01 Count to 120
03.02 Skip Counting
03.03 Count Using a Number Line
04.03 Count to 100
05.01 One More, One Less, Ten More, Ten Less
05.02 Count to 120 Using Tens and Ones
05.03 Compare Tens and Ones
06.06 Compose and Identify 3-D Shapes
08.01 Subtract by Counting
08.02 Subtract by Making 10
08.06 Missing Addends
10.02 Use Common Items to Measure
10.04 Estimating to the Nearest Inch
11.02 Equal Amounts
12.05 Addition with Regrouping
13.04 Values of Groups of Coins
13.05 Counting Bills to 100

ELEMENT/GLE	1.NR.1.2.	Explain that the two digits of a 2-digit number represent the amounts of tens and ones.
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Elementary Mathematics Grade 1 v21

04.01 Tens and Ones
04.02 Gathering Groups of Ten
04.03 Count to 100
04.04 Pull Apart Numbers
04.05 Written, Standard, and Expanded Form
04.06 Break Apart Numbers
05.01 One More, One Less, Ten More, Ten Less
05.02 Count to 120 Using Tens and Ones
05.03 Compare Tens and Ones
05.04 Greater Than, Less Than, or Equal to
05.05 Plot, Order, and Compare
07.04 Addition Word Problems
10.05 Measure to the Nearest Centimeter
12.03 Add and Subtract Using Models

ELEMENT/GLE	1.NR.1.3.	Compare and order whole numbers up to 100 using concrete models, drawings, and the symbols $>$, $=$, and $<$.
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Elementary Mathematics Grade 1 v21

05.03 Compare Tens and Ones

05.04 Greater Than, Less Than, or Equal to

05.05 Plot, Order, and Compare

STRAND/TOPIC

1st Grade

STANDARD / DESCRIPTION		NUMERICAL REASONING – counting, numbers, equality, place value, addition, subtraction
ELEMENT	1.NR.2:	Explain the relationship between addition and subtraction and apply the properties of operations to solve real-life addition and subtraction problems within 20.

ELEMENT/GLE	1.NR.2.1.	Use a variety of strategies to solve addition and subtraction problems within 20.
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Elementary Mathematics Grade 1 v21

01.01 Addition Equations to 10

01.02 Putting Together

01.03 Taking From

01.04 Solve Subtraction Equations

01.05 Solve Word Problems

02.01 Counting On

02.02 Doubles Strategies

02.03 Using a Ten Frame

02.04 Count Back to Subtract

02.05 Subtract by Adding

02.06 Addition and Subtraction

03.02 Skip Counting

04.01 Tens and Ones

04.03 Count to 100

04.06 Break Apart Numbers

05.02 Count to 120 Using Tens and Ones

05.04 Greater Than, Less Than, or Equal to

06.01 Attributes of 2-D Shapes

06.03 Create and Combine 2-D Shapes

06.05 Attributes of 3-D Shapes

07.01 Counting On with Open Number Lines

07.02 Adding with Doubles

07.03 Making Tens

07.04 Addition Word Problems

08.01 Subtract by Counting

08.02 Subtract by Making 10

08.03 Fact Families

08.04 Using Addition to Subtract

08.05 Subtraction Word Problems

08.06 Missing Addends

09.01 Organize Data into Groups

10.01 Compare and Order Items by Length

10.03 Measure Items Using a Ruler

11.01 Find the Missing Number

11.03 Find the Sum of Three Numbers

12.02 Find Ten More and Ten Less in my Head

12.04 Adding Two-Digit and One-Digit Numbers

12.05 Addition with Regrouping

12.06 Using Addition to Subtract

12.07 Add and Subtract Using Different Strategies

13.01 Names of Coins and Bills

13.04 Values of Groups of Coins

13.05 Counting Bills to 100

14.01 Understand the Hour and Minute Hand

ELEMENT/GLE	1.NR.2.2.	Use pictures, drawings, and equations to develop strategies for addition and subtraction within 20 by exploring strings of related problems.
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Elementary Mathematics Grade 1 v21

01.01 Addition Equations to 10
01.02 Putting Together
01.03 Taking From
01.04 Solve Subtraction Equations
01.05 Solve Word Problems
02.01 Counting On
02.02 Doubles Strategies
02.03 Using a Ten Frame
02.04 Count Back to Subtract
02.05 Subtract by Adding
02.06 Addition and Subtraction
03.02 Skip Counting
04.01 Tens and Ones
04.03 Count to 100
04.06 Break Apart Numbers
05.02 Count to 120 Using Tens and Ones
05.04 Greater Than, Less Than, or Equal to
06.01 Attributes of 2-D Shapes
06.03 Create and Combine 2-D Shapes
06.05 Attributes of 3-D Shapes
07.01 Counting On with Open Number Lines
07.02 Adding with Doubles
07.03 Making Tens
07.04 Addition Word Problems
08.01 Subtract by Counting
08.02 Subtract by Making 10
08.03 Fact Families
08.04 Using Addition to Subtract
08.05 Subtraction Word Problems
08.06 Missing Addends
09.01 Organize Data into Groups
10.01 Compare and Order Items by Length
10.03 Measure Items Using a Ruler
11.01 Find the Missing Number
11.03 Find the Sum of Three Numbers
12.02 Find Ten More and Ten Less in my Head
12.04 Adding Two-Digit and One-Digit Numbers
12.05 Addition with Regrouping
12.06 Using Addition to Subtract
12.07 Add and Subtract Using Different Strategies
13.01 Names of Coins and Bills
13.04 Values of Groups of Coins
13.05 Counting Bills to 100
14.01 Understand the Hour and Minute Hand

ELEMENT/GLE	1.NR.2.3.	Recognize the inverse relationship between subtraction and addition within 20 and use this inverse relationship to solve authentic problems.
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Elementary Mathematics Grade 1 v21

01.01 Addition Equations to 10
01.02 Putting Together
01.03 Taking From
01.04 Solve Subtraction Equations
01.05 Solve Word Problems
02.01 Counting On
02.02 Doubles Strategies
02.03 Using a Ten Frame
02.04 Count Back to Subtract
02.05 Subtract by Adding
02.06 Addition and Subtraction
03.01 Count to 120
03.02 Skip Counting
03.03 Count Using a Number Line
04.01 Tens and Ones
04.03 Count to 100
04.06 Break Apart Numbers
05.02 Count to 120 Using Tens and Ones
05.04 Greater Than, Less Than, or Equal to
06.01 Attributes of 2-D Shapes
06.03 Create and Combine 2-D Shapes
06.05 Attributes of 3-D Shapes
07.01 Counting On with Open Number Lines
07.02 Adding with Doubles
07.03 Making Tens
07.04 Addition Word Problems
08.01 Subtract by Counting
08.02 Subtract by Making 10
08.03 Fact Families
08.04 Using Addition to Subtract
08.05 Subtraction Word Problems
08.06 Missing Addends
09.01 Organize Data into Groups
09.03 Answer Questions About Graphs
09.04 Questions About Data
10.01 Compare and Order Items by Length
10.03 Measure Items Using a Ruler
11.01 Find the Missing Number
11.03 Find the Sum of Three Numbers
11.04 Solving Word Problems by Adding Three Numbers
12.01 Add and Subtract with Patterns
12.02 Find Ten More and Ten Less in my Head
12.04 Adding Two-Digit and One-Digit Numbers
12.06 Using Addition to Subtract
12.07 Add and Subtract Using Different Strategies
13.01 Names of Coins and Bills
13.04 Values of Groups of Coins
13.05 Counting Bills to 100
14.01 Understand the Hour and Minute Hand

ELEMENT/GLE 1.NR.2.4. Fluently add and subtract within 10 using a variety of strategies.

Elementary Mathematics Grade 1 v21

01.01 Addition Equations to 10
01.02 Putting Together
01.03 Taking From
01.04 Solve Subtraction Equations
01.05 Solve Word Problems
02.01 Counting On
02.02 Doubles Strategies
02.03 Using a Ten Frame
02.04 Count Back to Subtract
02.05 Subtract by Adding
02.06 Addition and Subtraction
03.02 Skip Counting
04.01 Tens and Ones
04.03 Count to 100
04.06 Break Apart Numbers
05.02 Count to 120 Using Tens and Ones
05.04 Greater Than, Less Than, or Equal to
06.01 Attributes of 2-D Shapes
06.03 Create and Combine 2-D Shapes
06.05 Attributes of 3-D Shapes
07.01 Counting On with Open Number Lines
07.02 Adding with Doubles
07.03 Making Tens
07.04 Addition Word Problems
08.01 Subtract by Counting
08.02 Subtract by Making 10
08.03 Fact Families
08.04 Using Addition to Subtract
08.05 Subtraction Word Problems
08.06 Missing Addends
09.01 Organize Data into Groups
10.01 Compare and Order Items by Length
10.03 Measure Items Using a Ruler
11.01 Find the Missing Number
11.03 Find the Sum of Three Numbers
12.02 Find Ten More and Ten Less in my Head
12.04 Adding Two-Digit and One-Digit Numbers
12.05 Addition with Regrouping
12.06 Using Addition to Subtract
12.07 Add and Subtract Using Different Strategies
13.01 Names of Coins and Bills
13.04 Values of Groups of Coins
13.05 Counting Bills to 100
14.01 Understand the Hour and Minute Hand

ELEMENT/GLE	1.NR.2.5.	Use the meaning of the equal sign to determine whether equations involving addition and subtraction are true or false.
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Elementary Mathematics Grade 1 v21

01.01 Addition Equations to 10
01.02 Putting Together
01.03 Taking From
01.04 Solve Subtraction Equations
01.05 Solve Word Problems
02.01 Counting On
02.02 Doubles Strategies
02.03 Using a Ten Frame
02.04 Count Back to Subtract
02.05 Subtract by Adding
02.06 Addition and Subtraction
03.02 Skip Counting
04.01 Tens and Ones
04.03 Count to 100
04.06 Break Apart Numbers
05.02 Count to 120 Using Tens and Ones
05.04 Greater Than, Less Than, or Equal to
06.01 Attributes of 2-D Shapes
06.03 Create and Combine 2-D Shapes
06.05 Attributes of 3-D Shapes
07.01 Counting On with Open Number Lines
07.02 Adding with Doubles
07.03 Making Tens
07.04 Addition Word Problems
08.01 Subtract by Counting
08.02 Subtract by Making 10
08.03 Fact Families
08.04 Using Addition to Subtract
08.05 Subtraction Word Problems
08.06 Missing Addends
09.01 Organize Data into Groups
10.01 Compare and Order Items by Length
10.03 Measure Items Using a Ruler
11.01 Find the Missing Number
11.03 Find the Sum of Three Numbers
12.02 Find Ten More and Ten Less in my Head
12.04 Adding Two-Digit and One-Digit Numbers
12.07 Add and Subtract Using Different Strategies
13.01 Names of Coins and Bills
13.04 Values of Groups of Coins
13.05 Counting Bills to 100
14.01 Understand the Hour and Minute Hand

ELEMENT/GLE	1.NR.2.6.	Determine the unknown whole number in an addition or subtraction equation relating to three whole numbers.
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Elementary Mathematics Grade 1 v21

01.02 Putting Together
02.01 Counting On
02.05 Subtract by Adding
08.01 Subtract by Counting
08.03 Fact Families
08.06 Missing Addends
11.01 Find the Missing Number
11.02 Equal Amounts
12.07 Add and Subtract Using Different Strategies

ELEMENT/GLE	1.NR.2.7.	Apply properties of operations as strategies to solve addition and subtraction problem situations within 20.
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Elementary Mathematics Grade 1 v21

01.01 Addition Equations to 10
01.02 Putting Together
01.03 Taking From
01.04 Solve Subtraction Equations
01.05 Solve Word Problems
02.01 Counting On
02.02 Doubles Strategies
02.03 Using a Ten Frame
02.04 Count Back to Subtract
02.05 Subtract by Adding
02.06 Addition and Subtraction
03.02 Skip Counting
04.01 Tens and Ones
04.03 Count to 100
04.06 Break Apart Numbers
05.02 Count to 120 Using Tens and Ones
05.04 Greater Than, Less Than, or Equal to
06.01 Attributes of 2-D Shapes
06.03 Create and Combine 2-D Shapes
06.05 Attributes of 3-D Shapes
07.01 Counting On with Open Number Lines
07.02 Adding with Doubles
07.03 Making Tens
07.04 Addition Word Problems
08.01 Subtract by Counting
08.02 Subtract by Making 10
08.03 Fact Families
08.04 Using Addition to Subtract
08.05 Subtraction Word Problems
08.06 Missing Addends
09.01 Organize Data into Groups
10.01 Compare and Order Items by Length
10.03 Measure Items Using a Ruler
11.01 Find the Missing Number
11.03 Find the Sum of Three Numbers
12.02 Find Ten More and Ten Less in my Head
12.04 Adding Two-Digit and One-Digit Numbers
12.05 Addition with Regrouping
12.06 Using Addition to Subtract
12.07 Add and Subtract Using Different Strategies
13.01 Names of Coins and Bills
13.04 Values of Groups of Coins
13.05 Counting Bills to 100
14.01 Understand the Hour and Minute Hand

STRAND/TOPIC

1st Grade

STANDARD / DESCRIPTION		PATTERNING & ALGEBRAIC REASONING – repeating patterns, growing, patterns, and shrinking patterns
ELEMENT	1.PAR.3:	Identify, describe, extend, and create repeating patterns, growing patterns, and shrinking patterns found in real-life situations.

ELEMENT/GLE	1.PAR.3.1	MA about repeating patterns with a core of up to 3 elements resulting from repeating an operation, as a series of shapes, or a number string.
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Elementary Mathematics Grade 1 v21

04.02 Gathering Groups of Ten
12.02 Find Ten More and Ten Less in my Head

ELEMENT/GLE	1.PAR.3. 2.	Identify, describe, and create growing, shrinking, and repeating patterns based on the repeated addition or subtraction of 1s, 2s, 5s, and 10s. <u>Elementary Mathematics Grade 1 v21</u> 04.02 Gathering Groups of Ten 12.02 Find Ten More and Ten Less in my Head
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STRAND/TOPIC **1st Grade**

STANDARD / DESCRIPTION		GEOMETRIC & SPATIAL REASONING – shapes, attributes, partitions of circles and rectangles
ELEMENT	1.GSR.4 :	Compose shapes, analyze the attributes of shapes, and relate their parts to the whole.

ELEMENT/GLE	1.GSR.4. 1.	Identify common two-dimensional shapes and three-dimensional figures, sort and classify them by their attributes and build and draw shapes that possess defining attributes. <u>Elementary Mathematics Grade 1 v21</u> 06.01 Attributes of 2-D Shapes 06.05 Attributes of 3-D Shapes 06.06 Compose and Identify 3-D Shapes 09.03 Answer Questions About Graphs
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ELEMENT/GLE	1.GSR.4. 2.	Compose two-dimensional shapes (rectangles, squares, triangles, half-circles, and quarter-circles) and three-dimensional figures (cubes, rectangular prisms, cones, and cylinders) to create a shape formed of two or more common shapes and compose new shapes from the composite shape. <u>Elementary Mathematics Grade 1 v21</u> 06.03 Create and Combine 2-D Shapes 06.06 Compose and Identify 3-D Shapes
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ELEMENT/GLE	1.GSR.4. 3.	Partition circles and rectangles into two and four equal shares. <u>Elementary Mathematics Grade 1 v21</u> 06.04 Identify and Create Equal Parts
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STRAND/TOPIC **1st Grade**

STANDARD / DESCRIPTION		NUMERICAL REASONING – base ten structure, addition and subtraction within 100
ELEMENT	1.NR.5:	Use concrete models, the base ten structure, and properties of operations to add and subtract within 100.

ELEMENT/GLE	1.NR.5.1.	Use a variety of strategies to solve applicable, mathematical addition and subtraction problems with one- and two-digit whole numbers.
<u>Elementary Mathematics Grade 1 v21</u> 01.01 Addition Equations to 10 01.02 Putting Together 01.03 Taking From 01.04 Solve Subtraction Equations 01.05 Solve Word Problems 02.01 Counting On 02.02 Doubles Strategies 02.03 Using a Ten Frame 02.04 Count Back to Subtract 02.05 Subtract by Adding 02.06 Addition and Subtraction 03.02 Skip Counting 03.03 Count Using a Number Line 04.01 Tens and Ones 04.03 Count to 100 04.06 Break Apart Numbers 05.02 Count to 120 Using Tens and Ones 05.04 Greater Than, Less Than, or Equal to 06.01 Attributes of 2-D Shapes 06.03 Create and Combine 2-D Shapes 06.05 Attributes of 3-D Shapes 07.01 Counting On with Open Number Lines 07.02 Adding with Doubles 07.03 Making Tens 07.04 Addition Word Problems 08.01 Subtract by Counting 08.02 Subtract by Making 10 08.03 Fact Families 08.04 Using Addition to Subtract 08.05 Subtraction Word Problems 08.06 Missing Addends 09.01 Organize Data into Groups 10.01 Compare and Order Items by Length 10.03 Measure Items Using a Ruler 11.01 Find the Missing Number 11.03 Find the Sum of Three Numbers 12.02 Find Ten More and Ten Less in my Head 12.04 Adding Two-Digit and One-Digit Numbers 12.05 Addition with Regrouping 12.06 Using Addition to Subtract 12.07 Add and Subtract Using Different Strategies 13.01 Names of Coins and Bills 13.04 Values of Groups of Coins 13.05 Counting Bills to 100 14.01 Understand the Hour and Minute Hand		

STRAND/TOPIC
1st Grade

STANDARD / DESCRIPTION		NUMERICAL REASONING – base ten structure, addition and subtraction within 101
ELEMENT	1.NR.5:	Use concrete models, the base ten structure, and properties of operations to add and subtract within 100.

ELEMENT/GLE	1.NR.5.2.	Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.
<u>Elementary Mathematics Grade 1 v21</u> 05.01 One More, One Less, Ten More, Ten Less 12.01 Add and Subtract with Patterns 12.02 Find Ten More and Ten Less in my Head 12.03 Add and Subtract Using Models 12.06 Using Addition to Subtract 12.07 Add and Subtract Using Different Strategies		

STRAND/TOPIC **1st Grade**

STANDARD / DESCRIPTION		NUMERICAL REASONING – base ten structure, addition and subtraction within 102
ELEMENT	1.NR.5:	Use concrete models, the base ten structure, and properties of operations to add and subtract within 100.

ELEMENT/GLE	1.NR.5.3.	Add and subtract multiples of 10 within 100.
<u>Elementary Mathematics Grade 1 v21</u> 05.01 One More, One Less, Ten More, Ten Less 12.02 Find Ten More and Ten Less in my Head 12.03 Add and Subtract Using Models 12.06 Using Addition to Subtract 12.07 Add and Subtract Using Different Strategies		

STRAND/TOPIC **1st Grade**

STANDARD / DESCRIPTION		MEASUREMENT & DATA REASONING – length, time, money
ELEMENT	1.MDR.6 :	Use appropriate tools to measure, order, and compare intervals of length and time, as well as denominations of money to solve real-life, mathematical problems and answer relevant questions.

ELEMENT/GLE	1.MDR.6.1.	Estimate, measure, and record lengths of objects using non-standard units, and compare and order up to three objects using the recorded measurements. Describe the objects compared.
<u>Elementary Mathematics Grade 1 v21</u> 10.01 Compare and Order Items by Length 10.02 Use Common Items to Measure 10.04 Estimating to the Nearest Inch		

ELEMENT/GLE	1.MDR.6.2.	Tell and write time in hours and half-hours using analog and digital clocks, and measure elapsed time to the hour on the hour using a predetermined number line.
<u>Elementary Mathematics Grade 1 v21</u> 14.01 Understand the Hour and Minute Hand 14.02 Read and Write Time to the Hour 14.03 Read and Write Time to the Half Hour		

ELEMENT/GLE	1.MDR.6.3.	Identify the value of quarters and compare the values of pennies, nickels, dimes, and quarters.
<u>Elementary Mathematics Grade 1 v21</u> 13.02 Values of Coins and Bills 13.03 Counting to One Dollar with Coins 13.04 Values of Groups of Coins 13.05 Counting Bills to 100		

ELEMENT/GLE	1.MDR.6. 4.	Ask questions and answer them based on gathered information, observations, and appropriate graphical displays to compare and order whole numbers.
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Elementary Mathematics Grade 1 v21

05.03 Compare Tens and Ones

05.04 Greater Than, Less Than, or Equal to

05.05 Plot, Order, and Compare