Main Criteria: Georgia Standards of Excellence

Secondary Criteria: Elementary Mathematics Grade 2 v21

 ${\small \textbf{Subject:}} Mathematics \\$

Grade: 2

Correlation Options: Show Correlated

Georgia Standards of Excellence

Mathematics

Grade: 2 - Adopted: 2021

STRAND/TOPIC		2nd Grade
STANDARD / DESCRIPTION		NUMERICAL REASONING – counting within 1000, place value, addition and subtraction, fluency to 20, developing multiplication through arrays
ELEMENT	2.NR.1:	Using the place value structure, explore the count sequences to represent, read, write, and compare numerical values to 1000 and describe basic place-value relationships and structures.
ELEMENT/GLE	2.NR.1.1.	Explain the value of a three-digit number using hundreds, tens, and ones in a variety of ways. Elementary Mathematics Grade 2 v21 01.01 Modeling Numbers 01.02 Writing Numbers 01.03 Comparing Numbers 08.01 Adding 10s and 100s 08.02 Adding with Place Value 08.03 Adding with Models 08.04 Show What You Know: Addition 09.01 Subtracting 10s and 100s 09.02 Subtracting with Place Value 09.03 Subtracting with Models 09.04 Show What You Know: Subtraction
ELEMENT/GLE	2.NR.1.2.	Count forward and backward by ones from any number within 1000. Count forward by fives from multiples of 5 within 1000. Count forward and backward by 10s and 100s from any number within 1000. Count forward by 25s from 0. Elementary Mathematics Grade 2 v21 01.01 Modeling Numbers 01.05 Rounding Numbers 02.02 Ten More Pattern 02.03 Hundred Chart Addition 03.02 Ten Less Pattern 03.03 Hundred Chart Subtraction 03.04 Skip Counting Subtraction 06.01 Identifying Coins 06.02 Dollar Bills: 1s, 5s, and 10s 06.03 Dollar Bills: 20s and 100s 07.02 Time to Nearest Five Minutes 07.03 Parting an Hour: Halves and Quarters 08.01 Adding 10s and 100s
ELEMENT/GLE	2.NR.1.3.	Represent, compare, and order whole numbers to 1000 with an emphasis on place value and equality. Use >, =, and < symbols to record the results of comparisons. Elementary Mathematics Grade 2 v21 01.02 Writing Numbers 01.03 Comparing Numbers 01.04 Ordering Numbers 12.05 Comparing Lengths 14.01 Even or Odd
STRAND/TOPIC		2nd Grade

STANDARD / DESCRIPTION		NUMERICAL REASONING – counting within 1000, place value, addition and subtraction, fluency to 20, developing multiplication through arrays
ELEMENT	2.NR.2:	Apply multiple part-whole strategies, properties of operations and place value understanding to solve real-life, mathematical problems involving addition and subtraction within 1,000.
ELEMENT/GLE	2.NR.2.1.	Fluently add and subtract within 20 using a variety of mental, part-whole strategies.
		Elementary Mathematics Grade 2 v21
		02.02 Ten More Pattern
		02.03 Hundred Chart Addition
		02.04 Skip Counting Addition
		02.05 Place Value Addition
		03.01 Subtract Within 20
		03.03 Hundred Chart Subtraction
		03.05 Place Value Subtraction
		04.01 Regrouping Rods and Units
		04.02 Modeling Two-Digit Addition
		05.01 Finding the Unknown
		05.02 One-Step Addition Problems
		05.03 One-Step Subtraction Problems
		08.01 Adding 10s and 100s
		08.02 Adding with Place Value
		08.03 Adding with Models
		08.04 Show What You Know: Addition
		09.01 Subtracting 10s and 100s
		09.02 Subtracting with Place Value
		09.04 Show What You Know: Subtraction
ELEMENT/GLE	2.NR.2.2.	Find 10 more or 10 less than a given three-digit number and find 100 more or 100 less than a given three-digit number.
		Elementary Mathematics Grade 2 v21
		02.03 Hundred Chart Addition
		02.04 Skip Counting Addition
		02.05 Place Value Addition
		03.02 Ten Less Pattern
		03.03 Hundred Chart Subtraction
		03.05 Place Value Subtraction
		04.02 Modeling Two-Digit Addition
		04.03 Adding Two-Digit Numbers with Regrouping
		04.04 Modeling Two-Digit Subtraction
		04.05 Subtracting Two-Digit Numbers with Regrouping
		05.01 Finding the Unknown
		05.02 One-Step Addition Problems
		05.04 Two-Step Addition and Subtraction Problems
		05.05 Two-Step Problem Solving
		08.01 Adding 10s and 100s
		08.02 Adding with Place Value
		US.U3 Adding with Models
		09.01 Subtracting 10s and 100s
		09.02 Subtracting with Place Value
		09.03 Subtracting with Models
		09.04 Show What You Know: Subtraction
		12.05 Comparing Lengths
		12.06 Measurement Word Problems
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ELEMENT/GLE 2.NR.2.3. Solve problems involving the addition and subtraction of two-digit numbers using part-whole strategies.

Elementary Mathematics Grade 2 v21

02.01 Add Within 20 02.03 Hundred Chart Addition 02.04 Skip Counting Addition 02.05 Place Value Addition 03.01 Subtract Within 20 03.03 Hundred Chart Subtraction 03.04 Skip Counting Subtraction 03.05 Place Value Subtraction 04.02 Modeling Two-Digit Addition 04.03 Adding Two-Digit Numbers with Regrouping 04.04 Modeling Two-Digit Subtraction 04.05 Subtracting Two-Digit Numbers with Regrouping 05.01 Finding the Unknown 05.02 One-Step Addition Problems 05.03 One-Step Subtraction Problems 05.04 Two-Step Addition and Subtraction Problems 05.05 Two-Step Problem Solving 08.01 Adding 10s and 100s 08.02 Adding with Place Value 08.03 Adding with Models 08.04 Show What You Know: Addition 09.01 Subtracting 10s and 100s 09.02 Subtracting with Place Value 09.03 Subtracting with Models 09.04 Show What You Know: Subtraction 12.05 Comparing Lengths 12.06 Measurement Word Problems 13.01 Perimeter with Unit Segments

ELEMENT/GLE 2.NR.2.4. Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

Elementary Mathematics Grade 2 v21

02.01 Add Within 20 02.03 Hundred Chart Addition 02.04 Skip Counting Addition 02.05 Place Value Addition 03.01 Subtract Within 20 03.03 Hundred Chart Subtraction 03.04 Skip Counting Subtraction 03.05 Place Value Subtraction 04.02 Modeling Two-Digit Addition 04.03 Adding Two-Digit Numbers with Regrouping 04.04 Modeling Two-Digit Subtraction 04.05 Subtracting Two-Digit Numbers with Regrouping 05.01 Finding the Unknown 05.02 One-Step Addition Problems 05.03 One-Step Subtraction Problems 05.04 Two-Step Addition and Subtraction Problems 05.05 Two-Step Problem Solving 08.01 Adding 10s and 100s 08.02 Adding with Place Value 08.03 Adding with Models 08.04 Show What You Know: Addition 09.01 Subtracting 10s and 100s 09.02 Subtracting with Place Value 09.03 Subtracting with Models 09.04 Show What You Know: Subtraction 12.05 Comparing Lengths 12.06 Measurement Word Problems

13.01 Perimeter with Unit Segments

STRAND/TOPIC

2nd Grade

STANDARD / DESCRIPTION		NUMERICAL REASONING – counting within 1000, place value, addition and subtraction, fluency to 20, developing multiplication through arrays
ELEMENT	2.NR.3:	Work with equal groups to gain foundations for multiplication through real-life, mathematical problems.
ELEMENT/GLE	2.NR.3.1.	Determine whether a group (up to 20) has an odd or even number of objects. Write an equation to express an even number as a sum of two equal addends. Elementary Mathematics Grade 2 v21 14.01 Even or Odd 14.02 Repeated Addition
ELEMENT/GLE	2.NR.3.2.	Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends. Elementary Mathematics Grade 2 v21 20.3 Hundred Chart Addition 20.4 Skip Counting Addition 20.4 Skip Counting Subtraction 30.34 Ship Counting Subtraction 30.35 Place Value Subtraction 30.305 Place Value Subtraction 40.20 Modeling Two-Digit Numbers with Regrouping 40.40 Modeling Two-Digit Numbers with Regrouping 40.41 Modeling Two-Digit Numbers with Regrouping 50.51 Finding the Unknown 50.20 Cne-Step Addition nroblems 50.30 Cne-Step Addition and Subtraction Problems 50.30 Cne-Step Addition and Subtraction Problems 50.50 Two-Step Problem Solving 80.11 Adding 10s and 100s 80.21 Adding with Place Value 80.32 Adding with Models 80.42 Show What You Know: Addition 90.01 Subtracting 10s and 100s 90.22 Subtracting 10s and 100s 90.23 Subtracting with Models 90.34 Show What You Know: Subtraction 12.05 Comparing Lengths 13.01 Perimeter with Unit Segments 13.01 Perimeter with Unit Segments 13.02 Repeated Addition 14.03 Using Arrays 13.04 Making Arrays

STRAND/TOPIC

2nd Grade

STANDARD / DESCRIPTION		PATTERNING & ALGEBRAIC REASONING – patterns up to 20 and addition and subtraction within 1,000 \ensuremath{n}
ELEMENT	2.PAR.4 :	Identify, describe, extend, and create repeating patterns, growing patterns, and shrinking patterns.

ELEMENT/GLE

2.PAR.4.1 Identify, describe, and create a numerical pattern resulting from repeating an operation such as addition and subtraction.

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02.02 Ten More Pattern 03.02 Ten Less Pattern 03.03 Hundred Chart Subtraction 08.01 Adding 10s and 100s 09.01 Subtracting 10s and 100s

STRAND/TOPIC 2nd Grade

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STANDARD / DESCRIPTION		PATTERNING & ALGEBRAIC REASONING – patterns up to 20 and addition and subtraction within 1,001
ELEMENT	2.PAR.4 :	Identify, describe, extend, and create repeating patterns, growing patterns, and shrinking patterns.

ELEMENT/GLE 2.PAR.4.2 Identify, describe, and create growing patterns and shrinking patterns involving addition and subtraction up to 20. .

> Elementary Mathematics Grade 2 v21 02.02 Ten More Pattern 03.02 Ten Less Pattern 03.03 Hundred Chart Subtraction 08.01 Adding 10s and 100s 09.01 Subtracting 10s and 100s

STRAND/TOPIC		2nd Grade
STANDARD / DESCRIPTION		MEASUREMENT & DATA REASONING – length, distance, time, and money
ELEMENT	2.MDR.5 :	Estimate and measure the lengths of objects and distance to solve problems found in real-life using standard units of measurement, including inches, feet, and yards.
ELEMENT/GLE	2.MDR.5. 2.	Estimate and measure the length of an object or distance to the nearest whole unit using appropriate units and standard measuring tools.
		Elementary Mathematics Grade 2 v21 12.01 Estimating Lengths Using Inches, Feet, or Yards 12.02 Measuring Lengths to Nearest Inch, Foot, or Yard 12.03 Estimating Lengths Using Centimeters or Meters 12.04 Measuring Lengths to Nearest Centimeter or Meter 13.03 Measuring Perimeter
ELEMENT/GLE	2.MDR.5. 3.	Measure to determine how much longer one object is than another and express the length difference in terms of a standard-length unit.
		<u>Elementary Mathematics Grade 2 v21</u> 12.05 Comparing Lengths

ELEMENT/GLE

5.

2.MDR.5. Represent whole-number sums and differences within a standard unit of measurement on a number line diagram.

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02.01 Add Within 20 02.04 Skip Counting Addition 03.01 Subtract Within 20 03.04 Skip Counting Subtraction 03.05 Place Value Subtraction 06.01 Identifying Coins 06.03 Dollar Bills: 20s and 100s 08.02 Adding with Place Value 08.04 Show What You Know: Addition 09.02 Subtracting with Place Value 09.04 Show What You Know: Subtraction

STRAND/TOPIC 2nd Grade

STANDARD / DESCRIPTION		MEASUREMENT & DATA REASONING – length, distance, time, and money
ELEMENT	2.MDR.6 :	Solve real-life problems involving time and money.
ELEMENT/GLE	2.MDR.6. 1.	Tell and write time from analog and digital clocks to the nearest five minutes, and estimate and measure elapsed time using a timeline, to the hour or half hour on the hour or half hour.
		Elementary Mathematics Grade 2 v21 07.01 Analog Clocks and Digital Clocks 07.02 Time to Nearest Five Minutes 07.03 Parting an Hour: Halves and Quarters 07.04 Before Noon, After Noon
ELEMENT/GLE	2.MDR.6. 2.	Find the value of a group of coins and determine combinations of coins that equal a given amount that is less than one hundred cents, and solve problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately.
		Elementary Mathematics Grade 2 v21 06.01 Identifying Coins 06.02 Dollar Bills: 1s, 5s, and 10s 06.03 Dollar Bills: 20s and 100s 06.04 Problem-Solving with Money
STRAND/TOPIC		2nd Grade
STANDARD / DESCRIPTION		GEOMETRIC & SPATIAL REASONING – sorting shapes, lines of symmetry, partitioning circles and rectangles
ELEMENT	2.GSR.7 :	Draw and partition shapes and other objects with specific attributes and conduct observations of everyday items and structures to identify how shapes exist in the world.
ELEMENT/GLE	2.GSR.7.1	Describe, compare and sort 2-D shapes including polygons, triangles, quadrilaterals, pentagons, hexagons, and 3-D shapes including rectangular prisms and cones, given a set of attributes.
		Elementary Mathematics Grade 2 v21 11.01 Drawing 2-D Shapes 11.02 Categorizing 2-D Shapes 11.03 Symmetry 13.02 Finding Perimeter

ELEMENT/GLE	2.GSR.7. 2.	Identify at least one line of symmetry in everyday objects to describe each object as a whole.
		<u>Elementary Mathematics Grade 2 v21</u> 11.03 Symmetry
		11.04 Parting Circles
ELEMENT/GLE	2.GSR.7. 3.	Partition circles and rectangles into two, three, or four equal shares. Identify and describe equal-sized parts of the whole using fractional names ("halves," "thirds," "fourths", "half of," "third of," "quarter of," etc.).
		<u>Elementary Mathematics Grade 2 v21</u> 11.04 Parting Circles 11.05 Parting Rectangles