

Topic: Fractions, Decimals, and Numbers – Grade 2

Standards Plus® Reteach - Math - Lesson Index

Lesson	Focus	Lesson Objective	Standards
Assess 1A Identifying, Counting, Naming Numbers			
Lesson 1	Identifying & Counting Numbers 1-10	<i>Demonstrate the ability to count and recognize the numbers from 1 to 100.</i>	K NS 1.2 1 NS 1.1 2 NS 1.1
Lesson 2	Identifying & Counting Numbers 11-20		
Lesson 3	Identifying & Counting Numbers 21-30		
Lesson 4	Identifying & Counting Numbers to 100		
Lesson 5	Place Value Ones and Tens	<i>Demonstrate an understanding of place value of numbers to the 1,000s place.</i>	1 NS 1.4 2 NS 1.1
Lesson 6	Place Value to 100s		
Lesson 7	Place Value to 1,000s		
Lesson 8	Naming Numbers	<i>Name numbers using their numeric and word forms.</i>	K NS 1.2 1 NS 1.1 2 NS 1.1
Lesson 9	Naming Numbers		
Lesson 10	Expanded Notation	<i>Demonstrate the ability to identify numbers from expanded notation and to write numbers using expanded notation.</i>	1 NS 1.4 2 NS 1.2
Lesson 11	Expanded Notation		
Lesson 12	Expanded Notation		
Assess 1B Identifying, Counting, Naming Numbers			
Assess 2A Ordering & Comparing Numbers			
Lesson 13	Ordering Numbers	<i>Demonstrate the ability to place numbers in order from least to greatest.</i>	K NS 1.2 1 NS 1.2 2 NS 1.3
Lesson 14	Ordering Numbers		
Lesson 15	Ordering Numbers		
Lesson 16	One More, One Less	<i>Determine the number that is one more/less or ten more/less than a given number.</i>	1 NS 2.3
Lesson 17	Ten More, Ten Less		
Lesson 18	Comparing Numbers	<i>Demonstrate the ability to use the symbols <, >, + to compare whole numbers.</i>	K NS 1.1, 1.3 1 NS 1.2 2 NS 1.3
Lesson 19	Comparing Numbers		
Lesson 20	Comparing Numbers		
Assess 2B Ordering & Comparing Numbers			
Assess 3A Fractions			
Lesson 21	Identify Equal Parts (Halves)	<i>Identify figures that are divided into equal parts.</i>	K AF 1.1 1 SDAP 1.1 2 NS 4.1
Lesson 22	Identify Equal Parts (Thirds)		
Lesson 23	Identify Equal Parts (Fourths)		
Lesson 24	Identify and Write Halves	<i>Identify figures that are divided into fractional parts.</i>	K AF 1.1 1 SDAP 1.1 2 NS 4.1
Lesson 25	Identify and Write Thirds		
Lesson 26	Identify and Write Fourths		
Lesson 27	Identify and Write Fractions to 1/12		

California Standards References

NS – Number Sense

SDAP – Statistics, Data Analysis, & Probability

AF – Algebra & Functions

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Lesson 28	Fractions: Part of the Group	Identify fractions that are part of a group.	2 NS 4.2
Lesson 29	Fractions: Part of the Whole	Identify fractions that are part of the whole.	2 NS 4.2
Lesson 30	Fractions: Equal to One	Recognize fractions that are equal to one.	2 NS 4.3
Assess 3B	Fractions		

Assess 4A	Money		
Lesson 31	What is a Dollar?	Recognize the coins that combine to equal \$1.00. Recognize the amount of dollars in the 5, 10, and 20 dollar bills.	K MG 1.1 1 NS 1.5 2 NS 5.1, 5.2
Lesson 32	Using Pennies		
Lesson 33	Using Nickels		
Lesson 34	Using Dimes		
Lesson 35	Using Quarters		
Lesson 36	Other Bills		
Lesson 37	Adding Coins	Add coin values to determine money sums.	1 NS 1.5 2 NS 5.1, 5.2
Lesson 38	Adding Coins and Bills	Add coins and bills to determine money sums.	1 NS 1.5 2 NS 5.1, 5.2
Lesson 39	Making Change	Subtract money amounts to make change.	1 NS 1.5 2 NS 5.1, 5.2
Assess 4B	Money		

1.0 Number Sense

- 1.1 Count, read, and write whole numbers to 1,000 and identify the place value for each digit. (3 items on CST)
- 1.2 Use words, models, and expanded forms (e.g., $45 = 4 \text{ tens} + 5$) to represent numbers (to 1,000). (1 item on CST)
- 1.3 Order and compare whole numbers to 1,000 by using the symbols $<$, $=$, $>$. (4 items on CST)

4.0 Number Sense

- 4.1 Recognize, name, and compare unit fractions from $1/12$ to $1/2$. (3 items on CST)
- 4.2 Recognize fractions of a whole and parts of a group (e.g., one-fourth of a pie, two-thirds of 15 balls). (3 items on CST)
- 4.3 Know that when all fractional parts are included, such as four-fourths, the result is equal to the whole and to one. (3 items on CST)

5.0 Number Sense

- 5.1 Solve problems using combinations of coins and bills. (3 items on CST)
- 5.2 Know and use the decimal notation and the dollar and cent symbols for money. (3 items on CST)

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Lesson	Focus	Lesson Objective	Standards
Assess 1A	Addition & Subtraction Facts		
Lesson 1	Addition Facts to 20 – Using a Number Line	Use strategies to compute the addition facts to 20.	K NS 2.1 1 NS 2.1
Lesson 2	Addition Facts to 20		
Lesson 3	Determining Operations - Addition	Use mathematical vocabulary to determine operations.	1 AF 1.1, 1.2 2 AF 1.2
Lesson 4	Word Problems with Addition Facts	Solve word problems using the basic addition facts to 20.	K NS 2.1 1 NS 2.1
Lesson 5	Subtraction Facts to 20 – Using a Number Line	Use strategies to compute the subtraction facts to 20.	K NS 2.1 1 NS 2.1
Lesson 6	Subtraction Facts to 20		
Lesson 7	Determining Operations - Subtraction	Use mathematical vocabulary to determine operations.	1 AF 1.1, 1.2 2 AF 1.2
Lesson 8	Word Problems with Subtraction Facts	Solve word problems using the basic subtraction facts to 20.	K NS 2.1 1 NS 2.1
Lesson 9	Fact Families	Recognize the facts in addition/subtraction fact families	1 NS 2.2 2 NS 2.1
Lesson 10	Fact Families		
Assess 1B	Addition & Subtraction Facts		

Assess 2A	Addition with Multi-Digit Numbers and in Word Problems		
Lesson 11	Multi-Digit Addition – No Regrouping	Add two multi-digit numbers without regrouping.	1 NS 2.6, 2.7 2 NS 2.2
Lesson 12	Multi-Digit Addition – No Regrouping		
Lesson 13	Word Problems with Addition (No Regrouping)	Solve word problems using addition with no regrouping.	1 NS 2.6, 2.7 2 NS 2.2
Lesson 14	Word Problems with Addition (No Regrouping)		
Lesson 15	Multi-Digit Addition – Regrouping	Add two multi-digit numbers with regrouping.	1 NS 2.6, 2.7 2 NS 2.2
Lesson 16	Multi-Digit Addition – Regrouping		
Lesson 17	Word Problems with Addition (Regrouping)	Solve word problems using addition with regrouping.	1 NS 2.6, 2.7 2 NS 2.2
Lesson 18	Word Problems with Addition (Regrouping)		
Lesson 19	Checking the Validity of Answers with Addition	Check answers to addition word problems to verify validity.	K MR 2.2 1 MR 2.2 2 MR 2.2
Lesson 20	Checking the Validity of Answers with Addition		
Assess 2B	Addition with Multi-Digit Numbers and in Word Problems		

Assess 3A	Subtraction with Multi-Digit Numbers and in Word Problems		
Lesson 21	Multi-Digit Subtraction – No Regrouping	Subtract two multi-digit numbers without regrouping.	1 NS 2.6 2 NS 2.2
Lesson 22	Multi-Digit Subtraction – No Regrouping		
Lesson 23	Word Problems with Subtraction (No Regrouping)	Solve word problems using subtraction with no regrouping.	1 NS 2.6, 2.7 2 NS 2.2
Lesson 24	Word Problems with Subtraction (No Regrouping)		

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Lesson 25	Multi-Digit Subtraction – Regrouping	<i>Subtract two multi-digit numbers with regrouping.</i>	1 NS 2.6 2 NS 2.2
Lesson 26	Multi-Digit Subtraction – Regrouping		
Lesson 27	Word Problems with Subtraction (Regrouping)	<i>Solve word problems using subtraction with regrouping.</i>	1 NS 2.6, 2.7 2 NS 2.2
Lesson 28	Word Problems with Subtraction (Regrouping)		
Lesson 29	Checking the Validity of Answers with Subtraction	<i>Check answers to subtraction word problems to verify validity.</i>	K MR 2.2 1 MR 2.2 2 MR 2.2
Lesson 30	Checking the Validity of Answers with Subtraction		
Assess 3B	Subtraction with Multi-Digit Numbers and in Word Problems		

Assess 4A	Skip Counting and Multiplication		
Lesson 31	Skip Counting – by 2s	<i>Count by 2s, 5s, and 10s to 100.</i>	1 NS 2.4 2 NS 3.1
Lesson 32	Skip Counting – by 5s and 10s		
Lesson 33	Multiplication Facts: 2s	<i>Practice the multiplication facts for the 2s, 5s, and 10s.</i>	2 NS 3.3
Lesson 34	Multiplication Facts: 5s and 10s		
Assess 4B	Skip Counting and Multiplication		

2.0 Number Sense

- 2.1 Understand and use the inverse relationship between addition and subtraction (e.g., an opposite number sentence for $8 + 6 = 14$ is $14 - 6 = 8$) to solve problems and check solutions. (2 items on CST)
- 2.2 Find the sum or difference of two whole numbers up to three digits long. (4 items on CST)

3.0 Number Sense

- 3.1 Use repeated addition, arrays, and counting by multiples to do multiplication. (2 items on CST)
- 3.3 Know the multiplication tables of 2s, 5s, and 10s (to “times 10”) and commit them to memory. (3 items on CST)

1.0 Algebra and Functions

- 1.2 Relate problem situations to number sentences involving addition and subtraction. (1 item on CST)

2.0 Mathematical Reasoning

- 2.2 Make precise calculations and check the validity of the results in the context of the problem. (Embedded throughout the CST)

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Topic: Algebraic Operations and Problem Solving – Grade 2

Standards Plus® Reteach - Math - Lesson Index

Lesson	Focus	Lesson Objective	Standards
Assess 1A	Addition & Subtraction Number Sentences		
Lesson 1	Using +, -, = in Number Sentences	Write and complete number sentences using +, -, and =.	1 AF 1.2
Lesson 2	Using +, -, = in Number Sentences		
Lesson 3	Number Sentences – Addition	Select addition number sentences that match given story problems.	1 AF 1.1, 1.2 2 AF 1.2, 1.3
Lesson 4	Number Sentences – Addition		
Lesson 5	Write Addition Sentences Using Pictures	Write addition number sentences to match a given picture.	1 AF 1.1, 1.2 2 AF 1.2
Lesson 6	Write Addition Sentences Using Story Problems	Write addition number sentences to match a given story problem.	1 AF 1.1, 1.2 2 AF 1.2
Lesson 7	Number Sentences – Subtraction	Select subtraction number sentences that match given story problems.	1 AF 1.1, 1.2 2 AF 1.2, 1.3
Lesson 8	Number Sentences – Subtraction		
Lesson 9	Write Subtraction Sentences Using Pictures	Write subtraction number sentences to match a given picture.	1 AF 1.1, 1.2 2 AF 1.2
Lesson 10	Write Subtraction Sentences Using Story Problems	Write subtraction number sentences to match a given story problem.	1 AF 1.1, 1.2 2 AF 1.2
Assess 1B	Addition & Subtraction Number Sentences		

Assess 2A	Properties & Variables		
Lesson 11	Commutative Property of Addition	Use the commutative property of addition to solve problems.	2 AF 1.1
Lesson 12	Commutative Property of Addition		
Lesson 13	Associative Property of Addition	Use the associative property of addition to solve problems.	2 AF 1.1
Lesson 14	Associative Property of Addition		
Lesson 15	Using Variables	Use variables to represent numbers in number sentences.	1 AF 1.1, 1.2 2 AF 1.2
Lesson 16	Solving Addition Problems with Variables	Solve addition problems in which there is a variable.	1 AF 1.1, 1.2 2 AF 1.2
Lesson 17	Solving Addition Problems with Variables		
Lesson 18	Solving Subtraction Problems with Variables	Solve subtraction problems in which there is a variable.	1 AF 1.1, 1.2 2 AF 1.2
Lesson 19	Solving Subtraction Problems with Variables		
Assess 2B	Properties & Variables		

Assess 3A	Pictographs/Tables/Models/Bar Graphs/Tally Charts		
Lesson 20	Solving Problems Using a Pictograph	Solve addition and subtraction problems from a pictograph.	1 AF 1.1, 1.2 2 AF 1.2, 1.3
Lesson 21	Solving Problems Using a Pictograph		
Lesson 22	Use Tables to Solve Problems	Determine answers to questions about the information in a table.	1 AF 1.1, 1.2 2 AF 1.2, 1.3
Lesson 23	Use Tables to Solve Problems		

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Lesson 24	Use Models to Solve Problems	<i>Determine answers to questions about the information in a model.</i>	1 AF 1.1, 1.2 2 AF 1.2, 1.3
Lesson 25	Use Models to Solve Problems		
Lesson 26	Use Bar Graphs to Solve Problems	<i>Determine answers to questions about the information in a bar graph.</i>	1 AF 1.1, 1.2 2 AF 1.2, 1.3
Lesson 27	Use Bar Graphs to Solve Problems		
Lesson 28	Use Tally Charts to Solve Problems	<i>Determine answers to questions about the information in a tally chart.</i>	1 AF 1.1, 1.2 2 AF 1.2, 1.3
Lesson 29	Use Tally Charts to Solve Problems		
Assess 3B	Pictographs/Tables/Models/Bar Graphs/Tally Charts		

Assess 4A	Matching Sentences to Problems		
Lesson 30	Matching Number Sentences to Problems	<i>Determine the number sentence that matches a given problem situation.</i>	1 AF 1.1, 1.2 2 AF 1.2, 1.3
Lesson 31	Matching Number Sentences to Problems		
Lesson 32	Matching Number Sentences to Problems		
Lesson 33	Matching Number Sentences to Problems		
Lesson 34	Matching Number Sentences to Problems		
Assess 4B	Matching Sentences to Problems		

1.0 Algebra and Functions

- 1.1 Use the commutative and associative rules to simplify mental calculations and to check results. (4 items on CST)
- 1.2 Relate problem situations to number sentences involving addition and subtraction. (1 item on CST)
- 1.3 Solve addition and subtraction problems by using data from simple charts, picture graphs, and number sentences. (1 item on CST)

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Topic: Measurement, Geometry, Statistics, and Probability – Grade 2

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Lesson	Focus	Lesson Objective	Standards
Assess 1A	Measurement		
Lesson 1	Measuring Length	<i>Demonstrate the ability to determine length using standard and metric measures.</i>	2 MG 1.1, 1.3
Lesson 2	Measuring Length		
Lesson 3	Measuring Length		
Lesson 4	Measuring Length		
Lesson 5	Days of the Week	<i>Demonstrate a knowledge of the days of the week.</i>	K MG 1.3 1 MG 1.2 2 MG 1.4
Lesson 6	Months of the Year	<i>Demonstrate a knowledge of the months of the year.</i>	1 MG 1.2 2 MG 1.4
Lesson 7	Months of the Year		
Lesson 8	Telling Time – to the Hour	<i>Tell time on an analog clock to the hour, half hour, and quarter hour.</i>	K MG 1.4 1 MG 1.2 2 MG 1.4
Lesson 9	Telling Time – to the Half Hour		
Lesson 10	Telling Time – to the Half Hour		
Lesson 11	Telling Time – to the Quarter Hour		
Lesson 12	Telling Time – to the Quarter Hour		
Lesson 13	Telling Time – to Five Minute Intervals	<i>Tell time on an analog clock to five minute intervals.</i>	2 MG 1.4
Lesson 14	Telling Time – to Five Minute Intervals		
Lesson 15	Determining Intervals of Time	<i>Understand intervals of time (e.g., 1:00 to 5:00 = 4 hours).</i>	2 MG 1.5
Lesson 16	Determining Intervals of Time		
Lesson 17	Elapsed Time	<i>Determine elapsed time.</i>	2 MG 1.4, 1.5
Assess 1B	Measurement		
Assess 2A	Geometry		
Lesson 18	Triangles	<i>Identify, describe, and compare triangles, rectangles, squares, and circles.</i>	K MG 2.1 1 MG 2.1 2 MG 2.1
Lesson 19	Rectangles		
Lesson 20	Squares		
Lesson 21	Circles		
Lesson 22	Triangles, Rectangles, Squares, Circles		
Lesson 23	Cubes	<i>Identify and describe cubes, spheres, and cones.</i>	K MG 2.1 1 MG 2.2 2 MG 2.1
Lesson 24	Spheres		
Lesson 25	Cones		
Lesson 26	Cubes, Spheres, Cones		
Lesson 27	Attributes of Geometric Figures	<i>Describe plane and solid figures by their edges, vertices, and faces.</i>	K MG 2.1 1 MG 2.1 2 MG 2.1
Lesson 28	Attributes of Geometric Figures		
Lesson 29	Comparing Geometric Figures	<i>Compare plane and solid figures by their attributes.</i>	K MG 2.2 1 MG 2.2 2 MG 2.1
Lesson 30	Comparing Geometric Figures		
Lesson 31	Comparing Geometric Figures		
Assess 2B	Geometry		

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Assess 3A	Statistics, Data Analysis, and Probability		
Lesson 32	Creating a Tally Chart	<i>Create, read, and interpret tally charts.</i>	K SDAP 1.1 1 SDAP 1.2 2 SDAP 1.1, 1.2
Lesson 33	Read and Interpret a Tally Chart		
Lesson 34	Creating a Bar Graph	<i>Create, read, and interpret bar graphs.</i>	K SDAP 1.1 1 SDAP 1.2 2 SDAP 1.1, 1.2
Lesson 35	Read and Interpret a Bar Graph		
Lesson 36	Creating a Picture Graph	<i>Create, read, and interpret picture graphs.</i>	K SDAP 1.1 1 SDAP 1.2 2 SDAP 1.1, 1.2
Lesson 37	Read and Interpret a Picture Graph		
Lesson 38	Determining Range	<i>Determine range for a given data set.</i>	2 SDAP 1.3
Lesson 39	Determining Range		
Lesson 40	Determining Mode	<i>Determine mode for a given data set.</i>	2 SDAP 1.3
Lesson 41	Determining Mode		
Lesson 42	Determining Mode & Range	<i>Determine mode and range for a given data set.</i>	2 SDAP 1.3
Lesson 43	Determining Mode & Range		
Assess 3B	Statistics, Data Analysis, and Probability		

1.0 Measurement & Geometry

- 1.1 Measure the length of objects by iterating (repeating) a nonstandard or standard unit. (1 item on CST)
- 1.3 Measure the length of an object to the nearest inch and/or centimeter. (3 items on CST)
- 1.4 Tell time to the nearest quarter hour and know relationships of time (e.g., minutes in an hour, days in a month, weeks in a year). (2 items on CST)
- 1.5 Determine the duration of intervals of time in hours (e.g., 11:00 a.m. to 4:00 p.m.). (1 item on CST)

2.0 Measurement & Geometry

- 2.1 Describe and classify plane and solid geometric shapes (e.g., circle, triangle, square, rectangle, sphere, pyramid, cube, rectangular prism) according to the number and shape of faces, edges, and vertices. (3 items on CST)

1.0 Statistics, Data Analysis, & Probability

- 1.1 Record numerical data in systematic ways, keeping track of what has been counted. (2 items on CST)
- 1.2 Represent the same data set in more than one way (e.g., bar graphs and charts with tallies). (2 items on CST)
- 1.3 Identify features of data sets (range and mode). (2 items on CST)

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