

CORE@TCA SIDE BY SIDE STANDARDS
Kinder/1st/2nd Grade
Essential Standards
Mathematics

Based on State Key Content Standards compiled by the Pulliam Group

Strand	Standard Kinder	Standard 1st Grade	Standard 2nd Grade
Number Sense	1.1 Compare objects and identify which is equal to, more than, and less than 1.2 Count, represent, name, and order objects (up to 30) 2.1 Use concrete objects to add and subtract, sums to 18 3.1 Recognize when an estimate is reasonable	1.1 Count, read and write whole numbers to 100 1.2 Compare and order whole numbers to 100 using (<, =, >) 2.1 Memorize additions facts (sums to 20) and corresponding subtraction facts 2.2 Use the inverse relationship between addition and subtraction to solve problems 2.3 Identify one more than, one less than, 10 more than, and 10 less than a given number 2.4 Count orally by ones, twos, fives, and tens to 100 2.5 Show the meaning of addition (increasing) and subtraction (taking away, finding the difference)	1.1 Count, read, write, and identify place value of numbers to 1000 1.2 Compare and order whole numbers to 1000 using (<, =, >) 2.1 Understand the inverse relationship between addition and subtraction 2.2 Find the sum and difference of whole numbers up to 3 digits 3.1 Use repeated addition, arrays, and counting by multiples to do multiplication 3.2 Use repeated subtraction, equal sharing, and forming equal groups with remainders to do division 4.1 Recognize, name, and unit fractions from 1/12 to 1/2 4.2 Recognize fractions of a whole and parts of a group (1/4 of a pie) 4.3 Know that when all fractional parts are included, such as 4/4, the result is one 5.1 Solve problems using combinations of coins and bills 5.2 Use the decimal notation and dollar and cent symbols for money
Algebra and functions	1.1 Identify, sort and classify objects by attributes such as shape, color, size, etc.	1.2 Write and solve addition and subtraction number sentences 1.3 Understand the symbols: +, -, =	1.1 Use the commutative and associative properties of addition 1.2 Relate problem situations to number sentences
Measurement and Geometry	1.1 Compare the length, width, and capacity of objects 1.2 Demonstrate and understanding of concepts of time (today, yesterday, morning, etc.) 1.3 Name the days of the Week 1.4 Tell time to the hour 2.1 Identify and describe a circle, triangle, rectangle, and square 2.2 Compare plane and solid objects by common attributes	1.1 Compare the length, weight, and volume of two or more objects 1.2 Tell time to the nearest half hour 2.1 Identify, describe, and compare triangles, rectangles, squares, and circles 2.2 Classify familiar plane and solid objects by attributes 2.3 Give and follow directions about location	1.1 Measure length by repeating a nonstandard or standard unit of measure 1.2 Measure the length of an object to its nearest inch/centimeter 2.1 Describe and classify geometric shapes according to the number and shape of faces, edges, and vertices 2.2 Put shapes together and take them apart to form other shapes
Statistics, Data Analysis, and Probability	1.3 Identify, describe, and extend simple patterns (such as circles or triangles) by referring to their shapes, sizes, or color	2.1 Describe, extend, and explain how to get to a next element in a repeating pattern 1.2 Represent and compare data using simple graphs	1.0 Collect, organize and display data on bar graphs and charts 2.1 Describe and extend patterns and determine a next term in number patterns
Mathematical Reasoning	1.3 Use manipulatives to set up, solve, and explain problems 2.2 Check and explain the results of a problem	1.0 Make decisions about how to set up problem 2.0 Solve problems and justify their reasoning	1.0 Make decisions about how to set up a problem 2.0 Solve problems and justify their reasoning

K12

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