

1st Grade Mathematics Learning Targets By Unit

INSTRUCTIONAL UNIT	PA CORE STANDARD ADDRESSED	LEARNING TARGETS
UNIT 1: NUMBERS TO 10	CC.2.1.1.B.1 Extend the counting sequence to read and write numerals to represent objects.	<p>I can count from 0 to 10 objects.</p> <p>I can read and write 0 to 10 in numbers and words.</p> <p>I can compare two sets of objects by using one-to-one correspondence.</p> <p>I can identify the set that has more, fewer, or the same number of objects.</p> <p>I can identify the number that is greater than or less than another number.</p> <p>I can make number patterns.</p> <p>I can compare, classify and use strategies for problem solving.</p>
UNIT 2: NUMBER BONDS	<p>CC.2.2.1.A.2: Understand and apply properties of operations and the relationship between addition and subtraction.</p> <p>CC.2.2.1.A.1: Represent and solve problems involving addition and subtraction within 20.</p>	<p>I can use connecting cubes or a math balance to find number bonds.</p> <p>I can find different number bonds for numbers to 10.</p> <p>I can analyze parts and whole.</p>
UNIT 3: ADDITION FACTS TO 10	<p>CC.2.2.1.A.1: Represent and solve problems involving addition and subtraction within 20.</p> <p>CC.2.2.1.A.2: Understand and apply properties of operations and the relationship between addition and subtraction.</p>	<p>I can count on to add.</p> <p>I can use number bonds to add in any order.</p> <p>I can write and solve addition sentences.</p> <p>I can tell addition stories about pictures.</p> <p>I can write addition sentences and stories.</p> <p>I can solve real-world problems by using addition.</p>
UNIT 4: SUBTRACTION FACTS TO 10	<p>CC.2.2.1.A.1: Represent and solve problems involving addition and subtraction within 20.</p> <p>CC.2.2.1.A.2: Understand and apply properties of operations and the relationship between addition and subtraction.</p>	<p>I can use different strategies to subtract such as <i>take away, count on, count back</i> and <i>number bonds</i>.</p> <p>I can write and solve subtraction sentences and stories.</p> <p>I can solve real- world problems using subtraction.</p> <p>I can recognize related addition and subtraction sentences.</p> <p>I can write and use fact families to solve real world problems.</p> <p>I can determine if a number sentence using addition or subtraction is true or false</p>
UNIT 5: SHAPES AND PATTERNS	CC.2.3.1.A.1: Compose and distinguish between two and three dimensional shapes based on their attributes.	<p>I can identify, classify, and describe plane shapes.</p> <p>I can divide shapes into two and four equal parts.</p> <p>I can describe the whole as the sum of its parts.</p>

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	CC.2.3.1.A.2: Use the understanding of fractions to partition shapes into halves and quarters.	<p>I can identify, classify and sort solid shapes.</p> <p>I can combine and separate plane and solid shapes in real-life.</p> <p>I can use plane shapes to identify, extend and create patterns.</p> <p>I can use solid shapes to identify, extend and create patterns.</p>
UNIT 6: ORDINAL NUMBERS AND POSITIONS	CC.2.1.1.B.1: Extend the counting sequence to read and write numerals to represent objects.	<p>I can use ordinal numbers.</p> <p>I can use position words to name relative positions.</p>
UNIT 7: NUMBERS TO 20	<p>CC.2.1.1.B.1 Extend the counting sequence to read and write numerals to represent objects.</p> <p>CC.2.1.1.B.2: Use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</p>	<p>I can count on from 10 to 20.</p> <p>I can read and write 11 to 20 in numbers and words.</p> <p>I can use a place-value chart to show numbers up to 20.</p> <p>I can show objects up to 20 as tens and ones.</p> <p>I can compare numbers to 20.</p> <p>I can order numbers by making number patterns.</p>
UNIT 8: ADDITION AND SUBTRACTION FACTS TO 20	<p>CC.2.2.1.A.1: Represent and solve problems involving addition and subtraction within 20.</p> <p>CC.2.2.1.A.2: Understand and apply properties of operations and the relationship between addition and subtraction.</p>	<p>I can use different strategies to add 1 and 2 digit numbers.</p> <p>I can subtract a 1 digit from a 2 digit number with and without regrouping.</p> <p>I can solve real-world problems using addition and subtraction.</p>
UNIT 9: LENGTH	<p>CC.2.1.1.B.2: Use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</p> <p>CC.2.4.1.A.1: Order lengths and measure them both indirectly and by repeating length units.</p>	<p>I can compare two lengths using the terms tall/taller, long/longer, and short/shorter.</p> <p>I can compare two lengths by comparing each with third length.</p> <p>I can compare more than two lengths using the terms tallest, longest and shortest.</p> <p>I can identify and use a common starting point when comparing lengths.</p> <p>I can measure lengths using non-standard units.</p> <p>I can use the term "unit" to describe length.</p> <p>I can count measurement units in a group of ten and one.</p>
UNIT 10: PICTURE GRAPHS AND BAR GRAPHS	<p>CC.2.4.1.A.4: Represent and interpret data using tables/charts</p> <p>CC.2.2.1.A.2: Understand and apply properties of operations and the relationship between addition and</p>	<p>I can collect and organize data on a picture graph.</p> <p>I can draw picture graphs.</p> <p>I can make a tally chart and show data in a bar graph.</p>

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	subtraction.	
UNIT 11: NUMBERS TO 40	<p>CC.2.1.1.B.1: Extend the counting sequence to read and write numerals to represent objects.</p> <p>CC.2.1.1.B.2: Use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</p> <p>CC.2.2.1.A.1: Represent and solve problems involving addition and subtraction within 20.</p> <p>CC.2.2.1.A.2: Understand and apply properties of operations and the relationship between addition and subtraction.</p> <p>CC.2.1.1.B.2: use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</p>	<p>I can count on from 21 to 40.</p> <p>I can read and write 21 to 40 in numbers and words.</p> <p>I can use a place-value chart to show numbers up to 40.</p> <p>I can show objects up to 40 as tens and ones.</p> <p>I can use a strategy to compare numbers to 40.</p> <p>I can compare and order numbers to 40.</p> <p>I can find the missing numbers in a number pattern.</p>
UNIT 12: ADDITION AND SUBTRACTION TO 40	<p>CC.2.2.1.A.1: Represent and solve problems involving addition and subtraction within 20.</p> <p>CC.2.2.1.A.2: Understand and apply properties of operations and the relationship between addition and subtraction.</p> <p>CC.2.1.1.B.2: Use place value concepts to represent amounts of tens and ones and to compare two digit numbers.</p> <p>CC.2.1.1.B.3: Use place value concepts and properties of operations to add and subtract within 100.</p>	<p>I can add a 2 digit number and a 1 digit number without regrouping.</p> <p>I can add two 2-digit numbers without regrouping.</p> <p>I can add a 2-digit number and a 1 digit number with regrouping.</p> <p>I can add two 2-digit numbers without regrouping.</p> <p>I can subtract a 1-digit number from a 2-digit number without regrouping.</p> <p>I can subtract a 2-digit number from another 2-digit number without regrouping.</p> <p>I can subtract a 1-digit number from a 2-digit number with regrouping.</p> <p>I can subtract a 2-digit number from another 2-digit number with regrouping.</p> <p>I can add three 1 digit numbers.</p> <p>I can solve real-world problems using addition and subtraction.</p> <p>I can use related addition and subtraction facts to check the answers to real-world problems.</p>
UNIT 13:	CC.2.4.1.A.2: Tell and write time to the	I can read a calendar and write the date.

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<p>CALENDAR AND TIME</p>	<p>nearest half hour using both analog and digital clocks.</p>	<p>I can use the term o'clock to tell the time to the hour. I can read and show the time to the hour on a digital and analog clock. I can read and show time to the half hour on a digital and analog clock. I can relate time to daily activities.</p>
<p>UNIT 14: NUMBERS TO 120</p>	<p>CC.2.1.1.B.1: Extend the counting sequence to read and write numerals to represent objects. CC.2.1.1.B.2: Use place value concepts to represent amounts of tens and ones and to compare two digit numbers. CC.2.2.1.A.1: Represent and solve problems involving addition and subtraction within 20.</p>	<p>I can count on from 21 to 120. I can read and write 41 to 120 in numbers and words. I can use a place-value chart to show numbers up to 100. I can show objects up to 100 as tens and ones. I can use a strategy to compare numbers to 100. I can compare numbers to 100 using the symbols $<$, $>$, $=$. I can find the missing number in a number pattern.</p>
<p>UNIT 15: ADDITION AND SUBTRACTION TO 100</p>	<p>CC.2.1.1.B.3: Use place value concepts and properties of operations to add and subtract within 100. CC.2.1.1.B.2: Use place value concepts to represent amounts of tens and ones and to compare two digit numbers. CC.2.2.1.A.2: Understand and apply properties of operations and the relationship between addition and subtraction.</p>	<p>I can add a 2-digit number and a 1-digit number without regrouping. I can add two 2-digit numbers without regrouping. I can add a 2-digit number and a 1-digit number without regrouping. I can add two 2-digit numbers without regrouping. I can subtract a 1-digit number from a 2-digit number without regrouping. I can subtract a 2-digit number from another 2-digit number without regrouping. I can subtract a 1-digit number from a 2-digit number with regrouping. I can subtract 2-digit numbers with regrouping.</p>
<p>UNIT 16: MONEY</p>	<p>CC.2.2.1.A.2: Understand and apply properties of operations and the relationship between addition and subtraction. CC.2.4.2.A.3: Solve problems and make change using coins and paper currency with appropriate symbols.</p>	<p>I can recognize and name penny, nickel, and dime. I can skip count to find the value of a collection of coins. I can exchange a coin of greater value for a set of coins of equal value. I can use different combinations of coins less than 25¢ to buy things. I can exchange a quarter for a set of coins of equal value. I can count money in cents up to \$1 using the <i>count on</i> strategy. I can choose the correct value of coins when buying items. I can use different combinations of coins to show the same value.</p>

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		<p>I can add and subtract to find the cost of items. I can add and subtract money in cents up to \$1.00 I can solve real-world problems involving addition and subtraction of money.</p>
<p>UNIT 17: 2ND GRADE FOUNDATIONS</p>	<p>Chapter 10 CC.2.4.2.A.1: Measure and estimate lengths in standard units using appropriate tools (2nd Grade Standard) CC.2.4.3.A.1: Solve problems involving measurement and estimation of temperature, liquid, volume, mass, and length (3rd Grade Standard) Chapter 14 CC.2.2.2.A.2: Use mental strategies to add and subtract within 20. (2nd Grade Standard) Chapter 18 CC. 2.2.2.A.3: Work with equal groups of objects to gain foundations for multiplication. (2nd Grade Standard)</p>	<p><i>Chapter 18</i> I can use objects or pictures to find the total number of items in groups of the same size. I can relate repeated addition to the concept of multiplication. I can use objects or pictures to find the number of items in each group when sharing equally. I can relate sharing to the concept of division. I can use objects or pictures to show the concept of division as finding the number of equal groups.</p> <p><i>Chapter 14</i> I can mentally add 1 digit numbers. I can mentally add 1 digit numbers to a 2-digit number. I can mentally add a 2-digit number to tens. I can mentally subtract 1-digit numbers. I can mentally subtract a 1-digit number from a 2-digit number. I can mentally subtract tens from a 2-digit number.</p> <p><i>Chapter 10</i> I can compare the weight of two things using the terms “heavy,” “heavier,” light,” “lighter,” and “heavy as.” I can compare the weight of more than two things using the term lightest and heaviest. I can use a non-standard object to find the weight of things and compare weights of objects. I can use the term “unit” when writing the weight of things. I can explain why there is a difference in a measurement when using different non-standard units. I can arrange objects according to their weights.</p>