



Grade 2 Math Overview



Operations and Algebraic Thinking

- Represent and solve problems involving addition and subtraction.
- Add and subtract within 20.
- Work with equal groups of objects to gain foundations for multiplication.

Number and Operations in Base Ten

- Understand place value.
- Use place value understanding and properties of operations to add and subtract.



Measurement and Data

- Measure and estimate lengths in standard units.
- Relate addition and subtraction to length.
- Work with time and money.
- Represent and interpret data.

Geometry

- Reason with shapes and their attributes.





<p style="text-align: center;"><u>First Quarter</u> August 28- October 30</p> <p><u>OA.1-</u> Solve one and two step Addition and Subtraction Word Problems within 100. Focus on strategies: <i>putting together and taking apart</i> <u>NBT.1-</u> Understand the values in a 3 digit number (hundreds, tens and ones) <u>NBT.2-</u> Skip count to 1,000 by 5's, 10's and 100's <u>NBT.3-</u> Read and Write 3 digit numbers to 1,00 in standard form, word form, picture form and expanded form <u>NBT.4-</u> Comparing 3 digit numbers using $<$, $>$, and $=$ <u>NBT.5</u> Add/subtract within 100. Understand relationship between addition and subtraction. <u>MD.6-</u> Represent whole numbers, sums and differences on a number line <u>OA.2-</u> Fluently add/subtract within 20 using mental strategies <u>OA.3-</u> Recognizing odd and even numbers; writing an equation to express an even number as a sum of two equal addends</p>	<p style="text-align: center;"><u>Second Quarter</u> October 31-January 19</p> <p><u>OA.1-</u> Solve one and two step Addition and Subtraction Word Problems within 100. Focus on strategies: <i>Result unknown add to and take from</i> <u>NBT.6-</u> Add up to 4 two-digit numbers <u>NBT.7-</u> Add/Subtract within 1,000 using different methods: properties of operations, place value, relationship between addition and subtraction. Know how to compose (regroup) and decompose (borrow) numbers to add and subtract. <u>NBT.8-</u> Mentally add and subtract 10 or 100 up to number 900 <u>NBT.9-</u> Use place value and properties of addition and subtraction to explain why addition and subtraction strategies work <u>MD.7-</u> Tell time with an analog or digital clock to the nearest 5 minutes, using a.m. and p.m.</p>
<p style="text-align: center;"><u>Third Quarter</u> January 22-March 27</p> <p><u>OA.1-</u> Solve one and two step Addition and Subtraction Word Problems- <i>change unknown add to and take from</i> <u>MD. 1-</u> Measuring length of objects using appropriate tools: ruler, measuring tape, meter stick <u>MD.2-</u> Measure the length of an object twice; using different length units; describe how the two measurements relate <u>MD.3-</u> Estimate lengths using inches, feet, centimeters and meters <u>MD.4-</u> Measure how much longer one object is than another <u>MD.5-</u> Addition and subtraction within 100 to solve word problems involving lengths in the same unit <u>MD.10-</u> Draw and understand picture graphs and bar graphs representing data up to 4 categories. Solve put-together, take apart and compare word problems using the data in the graphs <u>MD.8-</u> Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies using the \$ and the cents symbols</p>	<p style="text-align: center;"><u>Fourth Quarter</u> March 28-June 8</p> <p><u>OA.1-</u> Solve one and two step Addition and Subtraction Word Problems- <i>start unknown add to and take from</i> <u>MD.9-</u> Measuring lengths of several objects and represent the measurements by making a line plot <u>OA.4-</u> Use addition and write equations to find total number of objects in rectangular arrays (up to 5 rows and 5 columns) <u>G.1-</u> Identify and draw triangles, quadrilaterals, pentagons, hexagons, and cubes based on attributes (number of sides, faces, angles, etc.) <u>G.2-</u> Partition a rectangle into rows and columns of same size squares and count to find the total number of them <u>G.3-</u> Partition circles and rectangles into 2, 3 or 4 equal shares . Understand halves, thirds, fourths. Recognize equal shares do not have to be the same shape</p>