



Grade 3 Math Overview

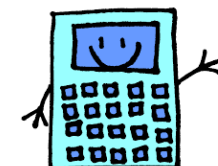


Operations and Algebraic Thinking

- Represent and solve problems involving multiplication and division.
- Understand properties of multiplication and the relationship between multiplication and division.
- Multiply and divide within 100.
- Solve problems involving the four operations, and identify and explain patterns in arithmetic.

Number and Operations in Base Ten

- Use place value understanding and properties of operations to perform multi-digit arithmetic.



Number and Operations Fractions

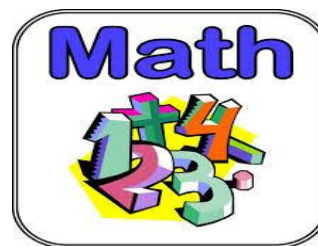
- Develop understanding as fractions as numbers.

Measurement and Data

- Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.
- Represent and interpret data.
- Geometric measurement: understand concepts of area and relate area to multiplication and addition.
- Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

Geometry

- Reason with shapes and their attributes.





<u>First Quarter</u>	<u>Second Quarter</u>
<p><u>OA.1</u>- Represent and solve multiplication and division problems with two factors.</p> <p><u>OA.2</u>- Interpret the divisor and quotient in a division equation representing the number of equal groups.</p> <p><u>OA.3</u>- Represent, interpret and solve one-step problems involving multiplication and division</p> <p><u>OA.9</u>- Interpret patterns of multiplication on a hundreds board and/or multiplication table</p> <p><u>NBT.2</u>- Add and subtract whole numbers up to and including 1,000</p> <p><u>OA.8</u>- Solve two-step word problems using addition, subtraction, multiplication and division</p> <p><u>MD.3</u>-Represent and interpret picture graphs,bar graphs and frequency tables- Solve word problems</p>	<p><u>OA.1</u>- Represent and solve multiplication and division problems with two factors.</p> <p><u>OA.2</u>- Interpret the divisor and quotient in a division equation representing the number of equal groups.</p> <p><u>OA.3</u>- Represent, interpret and solve one-step problems involving multiplication and division</p> <p><u>OA.6</u>- Solve unknown factor problem using division</p> <p><u>OA.7</u>- Demonstrate fluency with multiplication and division</p> <p><u>OA.8</u>- Solve two-step word problems using addition, subtraction, multiplication and division</p> <p><u>OA.9</u>- Interpret patterns of multiplication on a hundreds board and/or multiplication table</p> <p><u>NBT.3</u>- Find the product of a one-digit number by a multiple of 10</p> <p><u>G.1</u>- Reason with two-dimensional shapes and their attributes</p> <p><u>MD.5</u>- Find the area of a rectangle</p> <p><u>MD.7</u>- Relate area to operations of addition and multiplication</p> <p><u>MD.8</u>- Find the perimeter of a polygon (given side lengths & finding unknown side)</p>
<u>Third Quarter</u>	<u>Fourth Quarter</u>
<p><u>NF.1</u>- Interpret and understand unit fractions</p> <p><u>NF.2</u>- Interpret fractions using area and length models</p> <p><u>NF.3</u>- Represent equivalent fractions with area and length models</p> <p><u>NF.4</u>- Compare two fractions</p> <p><u>MD.1</u>- Tell and write time to the nearest minute. Solve word problems within the hour</p> <p><u>MD.2</u>-Solve problems (including word problems) with customary measurement- length, weight & capacity</p>	<p>Spiral Review of all Standards in the third grade math curriculum</p>