

### Kindergarten Math Priorities

Goal 6 Numbers and Operations	Goal 7 Estimate and Measure	Goal 8 Problem Solving	Goal 9 Size and Shape	Goal 10 Pull it Together
<ul style="list-style-type: none"> <li>○ Count, read, write #1-20</li> <li>○ Count, read, write</li> <li>○ Compare whole numbers</li> <li>○ Recognize words to 10</li> <li>○ Represent numbers using physical models</li> <li>○ Represent number facts to 20</li> <li>○ Add</li> <li>○ Count by 2's, 10's</li> <li>○ Count backwards</li> <li>○ Subtract</li> <li>○ Word problems</li> <li>○ Fractions</li> </ul>	<ul style="list-style-type: none"> <li>○ Measure using nonstandard units</li> <li>○ Estimate</li> <li>○ Time</li> <li>○ Money</li> <li>○ Sizes</li> </ul>	<ul style="list-style-type: none"> <li>○ Patterns</li> <li>○ Relationships</li> <li>○ Describe patterns and relationships</li> <li>○ Sort</li> <li>○ Classify</li> <li>○ Equal and unequal groups</li> <li>○ Identify problems</li> </ul>	<ul style="list-style-type: none"> <li>○ Use geometric methods to analyze and categorize shapes</li> <li>○ Use geometric methods to show relationships</li> <li>○ Location</li> </ul>	<ul style="list-style-type: none"> <li>○ Collect, organize and display data</li> <li>○ Collect, organize and display with graphs</li> <li>○ Data collection</li> <li>○ Interpretation</li> <li>○ Data collection and interpretation</li> </ul>

## First Grade Math Priorities

Goal 6 Numbers and Operations	Goal 7 Estimate and Measure	Goal 8 Problem Solving	Goal 9 Geometric Shapes	Goal 10 Pull it Together
<ul style="list-style-type: none"> <li>○ Count and read numerals to 100</li> <li>○ Addition of single digits</li> <li>○ Subtraction of single digits</li> <li>○ Count by 2's to 50</li> <li>○ Using words "greater than," "less than," and "equal to."</li> <li>○ Rounding by 5's and 10's</li> <li>○ Count backwards from 20</li> <li>○ Count, read and write order of whole numbers to 1,000</li> <li>○ Addition/subtraction double digits (tens/ones) to 50</li> <li>○ Place value tens/ones</li> <li>○ Property of zero</li> <li>○ Addition/subtraction of double digits to 99</li> <li>○ Place value ones, tens, hundreds, thousands</li> <li>○ Compare whole numbers up to 100</li> <li>○ Addition and subtraction</li> </ul>	<ul style="list-style-type: none"> <li>○ Time hour/ ½ hour</li> <li>○ Money value (penny, nickel, dime)</li> <li>○ Money</li> <li>○ Using ruler inch/feet</li> <li>○ Fractions <math>\Omega</math> of 6</li> <li>○ Metric measures</li> <li>○ Liquid measures</li> <li>○ Fractions <math>\frac{1}{2}</math>, <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math></li> </ul>	<ul style="list-style-type: none"> <li>○ Create stories from which simple addition and subtraction number sentences can be written</li> <li>○ Solve missing addend problems</li> <li>○ Write and draw word problems</li> <li>○ Solve one and two step problems</li> <li>○ Write and draw word problems using one and two step problems</li> </ul>	<ul style="list-style-type: none"> <li>○ Circle, square, triangles</li> </ul>	<ul style="list-style-type: none"> <li>○ Number lines</li> <li>○ Graphs</li> <li>○ Read and interpret bar graphs</li> </ul>

## Second Grade Math Priorities

Goal 6 Numbers and Operations	Goal 7 Estimate and Measure	Goal 8 Problem Solving	Goal 9 Size and Shape	Goal 10 Pull it Together
<ul style="list-style-type: none"> <li>○ Count 1-500</li> <li>○ Patterns before, after and in between</li> <li>○ Counting by 2's, 3's, 5's, and 10's</li> <li>○ Representing equivalent forms.</li> <li>○ Add and subtract one and two digit numbers</li> <li>○ Math facts-number families, doubles</li> <li>○ Comparing numbers &gt;, &lt;, =, and unequal.</li> <li>○ Counting 500-1000</li> <li>○ Patterns review</li> <li>○ Add and subtract two digits with regrouping</li> <li>○ Comparing whole numbers (odd and even)</li> <li>○ Counting 100-10,000</li> <li>○ Add and subtract (two and three digit with regrouping)</li> <li>○ More practice</li> <li>○ Addition and subtraction (two and three digit numbers) with and without regrouping</li> </ul>	<ul style="list-style-type: none"> <li>○ Place value-ones, tens, hundreds</li> <li>○ Money—coins and value</li> <li>○ Time—hour, ½ hour, 5 min, minute</li> <li>○ Money—add and subtract with regrouping</li> <li>○ Using nonstandard and standard units of measurement</li> <li>○ Congruency</li> <li>○ Symmetry</li> <li>○ Perimeter, area and volume</li> </ul>	<ul style="list-style-type: none"> <li>○ Vocabulary</li> <li>○ Read and write number words</li> <li>○ Read and interpret information from a line graph and use objects and drawings to form line graphs</li> <li>○ Explain method used to solve problems (solutions)</li> <li>○ Read, write and solve problems</li> <li>○ Read, write and order simple decimals</li> <li>○ Illustrating fractions</li> <li>○ Create, interpret and analyze information from graphs</li> <li>○ Include fractions and multiplication</li> </ul>	<ul style="list-style-type: none"> <li>○ Identify shapes—2 and 3 dimensional objects</li> </ul>	<ul style="list-style-type: none"> <li>○ Collecting data from graphs, use to add and subtract, compare and find patterns</li> <li>○ Making graphs</li> <li>○ Writing questions</li> <li>○ Analyzing data gathered from graphs, charts</li> <li>○ Reinforce addition and subtraction facts and concepts</li> <li>○ Continue multiplication</li> </ul>

### Third Grade Math Priorities

Goal 6 Numbers and Operations	Goal 7 Estimate and Measure	Goal 8 Problem Solving	Goal 9 Size and Shape	Goal 10 Pull it Together
<ul style="list-style-type: none"> <li>○ Adding and subtracting (single, double, triple digits and money)</li> <li>○ Regrouping</li> <li>○ Place value (reading/numbers)</li> <li>○ Greater than and less than</li> <li>○ Multiplication</li> <li>○ Classify numbers</li> <li>○ Money (grouping and counting change)</li> <li>○ Use place value and write numbers in standard expanded exponential form and scientific notation</li> <li>○ Multiply 2 and 3 digits</li> <li>○ Division</li> <li>○ Long division</li> <li>○ Beginning fractions</li> <li>○ Money</li> </ul>	<ul style="list-style-type: none"> <li>○ Rounding to tens and hundreds</li> <li>○ Time</li> <li>○ Rounding (tens, hundreds, thousands)</li> <li>○ Compare quantities</li> <li>○ Volume</li> <li>○ Mass</li> <li>○ Metric units</li> <li>○ Standard measurement</li> </ul>	<ul style="list-style-type: none"> <li>○ Word problems, single step</li> <li>○ Additions and subtractions including money</li> <li>○ Identify unnecessary information</li> <li>○ Evaluate methods and solutions</li> <li>○ Use variables and number sentences to represent solutions to problems</li> <li>○ Solve multi-step problems involving data</li> <li>○ Interpretation</li> <li>○ Word problems</li> </ul>	<ul style="list-style-type: none"> <li>○ Geometric figures (identify, describe and compare)</li> <li>○ Perimeter, area, volume</li> <li>○ Symmetry</li> <li>○ Circumference</li> <li>○ Diameter</li> </ul>	<ul style="list-style-type: none"> <li>○ Write and solve self-created word problems</li> <li>○ Solving problems using graphs and charts</li> <li>○ Recite and utilize multiple facts</li> </ul>

### Fourth Grade Math Priorities

Goal 6 Numbers and Operations	Goal 7 Estimate and Measure	Goal 8 Problem Solving	Goal 9 Size and Shape	Goal 10 Pull it Together
<ul style="list-style-type: none"> <li>○ Place value</li> <li>○ Powers of ten</li> <li>○ Expanded notation</li> <li>○ Whole numbers: add, subtract, multiply, and divide by one, two and three digits</li> <li>○ Decimals—read, write, identify (thousand place)</li> <li>○ Compare decimals</li> <li>○ Fractions (relate to decimals)</li> <li>○ Percents</li> <li>○ Add, subtract, like and unlike fractions and mixed numbers</li> <li>○ Identify model, represent equivalent fractions</li> <li>○ Round decimals</li> </ul>	<ul style="list-style-type: none"> <li>○ Area and perimeter</li> <li>○ Standard and metric measures</li> <li>○ Measure drawings, models and angles</li> <li>○ Circle diameter, radius and circumference</li> <li>○ Scale-maps</li> <li>○ Metric system</li> <li>○ Square units</li> <li>○ Compare and order measures in standard and metric units</li> <li>○ Time</li> <li>○ Elapsed time</li> </ul>	<ul style="list-style-type: none"> <li>○ Solve open number sentences</li> <li>○ Variables and equations</li> <li>○ Single step =, -, x, and division problems</li> <li>○ 2 or more step word problems— measurement</li> <li>○ Multi-step measurement probability</li> <li>○ Algebraic equations</li> </ul>	<ul style="list-style-type: none"> <li>○ Use approximate units of measure</li> <li>○ Figures</li> <li>○ Categorize</li> <li>○ Describe identity</li> <li>○ Properties and relationships— geometry</li> <li>○ Lines, points, rays, angles</li> <li>○ Describe parts of geometric figures</li> <li>○ Symmetry</li> <li>○ Diameter</li> <li>○ Circumference</li> </ul>	<ul style="list-style-type: none"> <li>○ Graphs, charts, tables</li> <li>○ Compare, interpret data</li> <li>○ Gather, organize, display data</li> <li>○ Graphing, tallies</li> <li>○ Draw conclusions</li> <li>○ Interpret relationships</li> <li>○ Draw conclusions from data</li> <li>○ Mean or average of series of numbers</li> </ul>

### Fifth Grade Math Priorities

Goal 6 Numbers and Operations	Goal 7 Estimate and Measure	Goal 8 Problem Solving	Goal 9 Size and Shape	Goal 10 Pull it Together
<ul style="list-style-type: none"> <li>○ Place value</li> <li>○ Powers of 10</li> <li>○ Decimals</li> <li>○ Review basic</li> <li>○ Fractions—improper, mixed, simplify</li> <li>○ Add, subtract, and multiple fractions</li> <li>○ Division and multiplication of decimals and fractions</li> <li>○ Percents</li> <li>○ Probability</li> <li>○ Review and preview (6<sup>th</sup> grade)</li> </ul>	<ul style="list-style-type: none"> <li>○ Standard</li> <li>○ Metric</li> <li>○ Rounding</li> <li>○ Estimation, rounding division</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Single step addition, subtraction, multiplication, division</li> <li>○ Simple measurement conversions</li> <li>○ Multi-step problems using fractions, decimals, measurement, and conversion</li> <li>○ Review and preview</li> <li>○ Algebra concepts</li> </ul>	<ul style="list-style-type: none"> <li>○ Geometry</li> <li>○ Angles</li> <li>○ Polygons</li> <li>○ Circle</li> <li>○ Solids</li> </ul>	<ul style="list-style-type: none"> <li>○ Graphing-line and bar and circle</li> <li>○ Tallying</li> <li>○ Graphing</li> <li>○ Averages</li> <li>○ Mean, median, mode, bell curve</li> <li>○ Review and preview</li> </ul>

### Sixth Grade Math Priorities

Goal 6 Numbers and Operations	Goal 7 Estimate and Measure	Goal 8 Problem Solving	Goal 9 Size and Shape	Goal 10 Pull it Together
<ul style="list-style-type: none"> <li>○ Whole numbers through trillions</li> <li>○ Read, write and say decimals</li> <li>○ Compare and order quantities</li> <li>○ Powers and exponents</li> <li>○ Fractions (add, subtract, divide, multiply)</li> <li>○ Equivalent fractions</li> <li>○ Unlike denominators</li> <li>○ Fraction, decimal and percent relationships</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Whole and decimal numbers (addition, subtraction, multiplication and division)</li> <li>○ Integer number line</li> <li>○ Circumference</li> <li>○ Weight, capacity, length, temperature, and time</li> <li>○ Perimeter, area and volume</li> <li>○ Measure and draw angles</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Order of operations</li> <li>○ Properties of mathematics</li> <li>○ Prediction</li> <li>○ Solve problems using data</li> <li>○ Create, describe, and solve problems involving open sentences</li> <li>○ Solve multi-step problems involving addition, subtraction, multiplication, division</li> <li>○ Numbers, currency, fractions, decimals and percents</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Geometric patterns and figures</li> <li>○ 2 to 3-dimensional shapes</li> <li>○ Line segments</li> <li>○ Bisectors</li> <li>○ Angles</li> <li>○ Triangles</li> <li>○ Circles</li> <li>○ Polygons</li> <li>○ Tessellation</li> <li>○ Congruency</li> <li>○ Construct scale drawings</li> <li>○ Measure and draw angles to the nearest 5 degrees using a protractor</li> <li>○ Create drawings or models representing specific measures</li> </ul>	<ul style="list-style-type: none"> <li>○ Qualifiers</li> <li>○ Gather, organize, and display data</li> <li>○ Schedules</li> <li>○ Tables</li> <li>○ Range, mean, median, and mode</li> <li>○ Tallies</li> <li>○ Line plots</li> <li>○ Line, bar, and circle graphs</li> <li>○ Use rates and derived units in real-life situations</li> <li>○ Scattergrams, stem and leaf plot and box and whisker plot</li> <li>○ Communicate the results of a survey or experiment and use them to predict future results and make relevant decisions based on data gathered</li> <li>○ Ratios and probability</li> <li>○ Explain the concept of "Sample"</li> <li>○ Analyze, predict, discuss, and defend possible outcomes, probability, and odds involving cards, dice and board games.</li> <li>○ Review and preview</li> </ul>

### Seventh Grade Math Priorities

Goal 6 Numbers and Operations	Goal 7 Estimate and Measure	Goal 8 Problem Solving	Goal 9 Size and Shape	Goal 10 Pull it Together
<ul style="list-style-type: none"> <li>○ Rational numbers</li> <li>○ Percent</li> <li>○ Fractions, decimals</li> <li>○ Equivalent fraction</li> <li>○ Ratios</li> <li>○ GCF, LCM</li> <li>○ Number expressions</li> <li>○ Inverse relationships (+, -, x, /)</li> <li>○ Expanded notation</li> <li>○ Exponential notation</li> <li>○ Scientific notation</li> <li>○ Rational/irrational numbers</li> <li>○ Consumer application (discount/irrational numbers)</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Area, volume, weight, time</li> <li>○ Ordered pairs</li> <li>○ Proportional change</li> <li>○ Scale</li> <li>○ Measurement</li> <li>○ Rate</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Graph data</li> <li>○ Properties of numbers</li> <li>○ Linear equations</li> <li>○ Variables</li> <li>○ Ordered pairs</li> <li>○ Coordinate plane</li> <li>○ Algebraic expressions</li> <li>○ Evaluate expressions</li> <li>○ Patterns</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Angles</li> <li>○ Parallel and perpendicular lines</li> <li>○ Congruence</li> <li>○ Geometric figures</li> </ul>	<ul style="list-style-type: none"> <li>○ Frequency distributions</li> <li>○ Probability</li> <li>○ Mean, median, mode</li> <li>○ Collect/analyze data</li> <li>○ Hypothesis</li> <li>○ Draw conclusions</li> <li>○ Review and preview</li> </ul>

### Eighth Grade Math Priorities

Goal 6 Numbers and Operations	Goal 7 Estimate and Measure	Goal 8 Problem Solving	Goal 9 Size and Shape	Goal 10 Pull it Together
<ul style="list-style-type: none"> <li>○ Represent and use numbers in equivalent forms, percentages, repeating decimals</li> <li>○ Add, subtract, multiply, divide rational numbers, inverse relationships of math functions in equations</li> <li>○ LCM and GCF</li> <li>○ Compare real numbers using ratios and proportions</li> <li>○ Rational and irrational numbers, square roots, relationships among subsets of real numbers</li> <li>○ Consumer applications problems, inductive and deductive reasoning, justify solutions for problems</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Measure area, length, volume, and surface area problems for geometric shapes</li> <li>○ Use appropriate units</li> <li>○ Vertices as ordered pairs to determine area and perimeter of polygon</li> <li>○ Change in linear dimensions of an object changes perimeter</li> <li>○ Compare Fahrenheit and Celsius</li> <li>○ Draw models</li> <li>○ Use derived units and indirect methods for obtaining measures</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Determine whether equations or data given in tables define functions</li> <li>○ Basic properties associative, communicative, orders of operations of real numbers</li> <li>○ Solve linear equations using addition, multiplication, and inverse operations</li> <li>○ Domain of independent variables, range of dependent variables</li> <li>○ Solve problems written as expressed</li> <li>○ Describe how change in one variable affects others</li> <li>○ Define, use, interpret linear relationships and represent them with graphs and equations</li> <li>○ Translate algebraic expressions into phrases and sentences, graph inequalities</li> <li>○ Analyze real world situations and patterns to see if linear or other simple relationships exist</li> <li>○ Review and preview</li> </ul>	<ul style="list-style-type: none"> <li>○ Use geometric methods to analyze, categorize and draw conclusions about points, lines, planes and space</li> </ul>	<ul style="list-style-type: none"> <li>○ Analyze, predict, discuss possible outcomes</li> <li>○ Estimate probability from a series of trials</li> <li>○ Measures of central tendency</li> <li>○ Displaying data</li> <li>○ Visualize and represent three dimensional objects in two dimensions</li> <li>○ Review and preview</li> </ul>