

Make Math Meaningful

Use Numbers and Operations (Goal 6)

Estimate and Measure (Goal 7)

Solve Problems (Goal 8)

Figure Out Size and Shape (Goal 9)

Organize and Analyze (Goal 10)

**Review this math calendar and decide which math focus you will set for each quarter.
The last page is your calendar to schedule the math for your grade.**

Math Priorities: Kindergarten

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Goal 6: Numbers and Operations Count, read, write #1-20</p> <p>Goal 8: Problem Solving Describe patterns relationships Sort Classify Patterns</p> <p>Goal 9: Size and Shape Use geometric methods to analyze and categorize shapes</p> <p>Goal 10: Organize and Analyze Collect, organize and display data</p>	<p>Goal 6: Numbers and Operations Count, read, write Compare whole numbers Recognize words to 10 Represent numbers using physical models</p> <p>Goal 7: Estimate and Measure</p> <p>Goal 8: Problem Solving Describe patterns and relationships</p> <p>Goal 9: Size and Shape Use geometric methods to show relationships Location</p> <p>Goal 10: Organize and Analyze Collect, organize and display with graphs</p>	<p>Goal 6: Numbers and Operations Represent number facts to 20 Add Count by 2's, 10's Count backwards</p> <p>Goal 7: Estimate and Measure Measure using nonstandard units Estimate Time Money</p> <p>Goal 8: Problem Solving Describe relationships Equal and unequal groups</p> <p>Goal 10: Organize and Analyze Data collection Interpretation</p>	<p>Goal 6: Numbers and Operations Subtract Word problems Fractions</p> <p>Goal 7: Estimate and Measure sizes time</p> <p>Goal 8: Problem Solving Identify problems Describe relationships</p> <p>Goal 10: Organize and Analyze Collect, organize, display Data collection and interpretation</p>

Math Priorities: First Grade

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Goal 6: Numbers and Operations Count and read numerals to 100 Addition of single digits Subtraction of single digits Count by 2's to 50 Using words "greater than," "less than," and "equal to."</p> <p>Goal 7: Estimate and Measure Time hour/1/2 hour</p> <p>Goal 8: Problem Solving Create stories from which simple addition and subtraction number sentences can be written</p> <p>Goal 10: Organize and Analyze Number lines</p>	<p>Goal 6: Numbers and Operations Rounding by 5's, and 10's Count backwards from 20 Count, read and write order of whole numbers to 1,000 Addition/subtraction double digit (tens/ones) to 50</p> <p>Goal 7: Estimate and Measure Money value (penny, nickel, dime)</p> <p>Goal 8: Problem Solving Solve missing addend problems Write draw word problems</p> <p>Goal 9: Geometric shapes: Circle, square, triangles</p> <p>Goal 10: Organize and Analyze graphs</p>	<p>Goal 6: Numbers and Operations Place value tens/ones Property of zero Addition/ subtraction of double digits to 99</p> <p>Goal 7: Estimate and Measure Money Using ruler inch/feet Fractions Ω of 6, etc.</p> <p>Goal 8: Problem Solving Write and draw word problems. Solve one and two step problems.</p> <p>Goal 10: Organize and Analyze Read and interpret bar graphs</p>	<p>Goal 6: Numbers and Operations Place value ones, tens, hundreds, thousands Compare whole numbers up to 100 Addition and subtraction</p> <p>Goal 7: Estimate and Measure Metric measures Liquid measures Fractions 1/2, 1/3/, 1/4</p> <p>Goal 8: Problem Solving Write and draw word problems using one and two step problems</p> <p>Goal 10: Organize and Analyze Read and interpret bar graphs</p>

Math Priorities: Second Grade

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Goal 6: Numbers and Operations Count 1-500 Patterns before, after and in between counting by 2's, 3's, 5's, and 10's representing equivalent forms. Add and subtract one and two digit numbers Math facts-number families, doubles Comparing numbers $>$, $<$, $=$, and unequal.</p> <p>Goal 7: Estimate and Measure Place value-ones, tens, hundreds Money-coins and value</p> <p>Goal 8: Problem Solving Vocabulary Read and write number words Read and interpret information from a line graph and use objects and drawings to form line graphs</p> <p>Goal 10: Organize and Analyze Collecting data from graphs, use to add and subtract, compare and find patterns.</p>	<p>Goal 6: Numbers and Operations Counting 500-1000 Patterns review Add and subtract two digits with regrouping Comparing whole numbers (odd and even)</p> <p>Goal 7: Estimate and Measure Time-hour, 1/2hr, 5 min, minute Money-add and subtract with regrouping</p> <p>Goal 8: Problem Solving Explain method used to solve problems (solutions) Read, write and solve word problems Read write and order simple decimals</p> <p>Goal 10: Organize and Analyze Making graphs Writing questions Analyzing data gathered from graphs, charts Make graphs</p>	<p>Goal 6: Numbers and Operations Counting 100-10,000 Add and subtract (two and three digit with regrouping)</p> <p>Goal 7: Estimate and Measure Using nonstandard and standard units of measurement</p> <p>Goal 8: Problem Solving Read, write and solve word problems Illustrating fractions Create interpret and analyze information from graphs.</p> <p>Goal 9: Size and Shape Identify shapes- 2 and 3 dimensional objects</p> <p>Goal 10: Organize and Analyze Reinforce addition and subtraction facts and concepts. Introduce multiplication</p>	<p>Goal 6: Numbers and Operations More practice Addition and subtraction (two and three digit numbers) with and without regrouping</p> <p>Goal 7: Estimate and Measure Congruency Symmetry Perimeter, area and volume</p> <p>Goal 8: Problem Solving Read, write and solve word problems Include fractions and multiplication</p> <p>Goal 10: Organize and Analyze Continue multiplication</p>

Math Priorities: Third Grade

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Goal 6: Numbers and Operations Adding and subtracting (single, double, triple digits and money) Regrouping Place value (reading/numbers) Greater than and less than</p> <p>Goal 7: Estimate and Measure Rounding to tens and hundreds Time</p> <p>Goal 8: Problem Solving Word problems single step Additions and subtraction including money</p> <p>Goal 10: Organize and Analyze Write and solve self-created word problems Solving problems using graphs and charts</p>	<p>Goal 6: Numbers and Operations Multiplication Classify numbers Money (grouping and counting change)</p> <p>Goal 7: Estimate and Measure Rounding (tens, hundreds, thousands)</p> <p>Goal 8: Problem Solving Identify unnecessary information Evaluate methods and solutions Use variables and number sentences to represent solutions to problems</p> <p>Goal 9: Size and Shape Geometric figures (identify, describe and compare) Perimeter, area, volume</p> <p>Goal 10: Organize and Analyze Recite and utilize multiple facts Solving problems using graphs and charts</p>	<p>Goal 6: Numbers and Operations Multiply 2 and 3 digits Division</p> <p>Goal 7: Estimate and Measure Compare quantities Volume Mass Metric units Standard measurement Rounding</p> <p>Goal 8: Problem Solving Solve multi-step problems involving data Interpretation</p> <p>Goal 10: Organize and Analyze Solving problems using graphs and charts</p>	<p>Goal 6: Numbers and Operations Long division Beginning fractions Money</p> <p>Goal 7: Estimate and Measure Rounding Time</p> <p>Goal 8: Problem Solving Word problems</p> <p>Goal 10: Organize and Analyze Solving problems using graphs and charts</p>

Math Priorities: Fourth Grade

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Goal 6: Numbers and Operations Place Value Powers of ten Expanded Notation Whole Numbers: Add, subtract, Multiply and divide by one two and three digits</p> <p>Goal 7: Estimate and Measure Area and perimeter Standard and metric measures</p> <p>Goal 8: Problem Solving Solve open number sentences Variables and equations Single step =, -, x, and division problems</p> <p>Goal 10: Organize and Analyze Graphs, charts, tables Compare, interpret data</p>	<p>Goal 6: Numbers and Operations Decimals-read, write identify (Thousand place) Compare decimals Fractions (relate to dec.) Percents Add, subtract, like and unlike fractions and mixed numbers</p> <p>Goal 7: Estimate and Measure Measure drawings models and angles</p> <p>Goal 8: Problem Solving 2 or more step word problems-measurement</p> <p>Goal 9: Size and Shape Use approximate units of measure</p> <p>Goal 10: Organize and Analyze Gather organize display data Graphing, tallies Draw conclusions</p>	<p>Goal 6: Numbers and Operations Identify model represent equivalent fractions Relate fractions/decimals Round decimals</p> <p>Goal 7: Estimate and Measure Circle diameter radius and circumference Scale-maps Metric system Square units</p> <p>Goal 8: Problem Solving Multi-step measurement probability</p> <p>Goal 9: Size and Shape Figures, categorize Describe identify</p> <p>Goal 10: Organize and Analyze Interpret relationships Draw conclusions from data</p>	<p>Goal 6: Numbers and Operations Prime and composite numbers Percentages ratios proportions-select strategies Use estimation to solve problems and check answers</p> <p>Goal 7: Estimate and Measure Compare and order measures in standard and metric units</p> <p>Goal 8: Problem Solving Algebraic equations</p> <p>Goal 9: Size and Shape Properties and relationships-geometry lines, points, rays, angles Describe parts of geometric figures</p> <p>Goal 10: Organize and Analyze Mean or average of series of numbers Draw conclusions</p>

Math Priorities: Fifth Grade

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Goal 6: Numbers and Operations Place value Powers of 10 Decimals Review Basic</p> <p>Goal 7: Estimate and Measure Standard Metric Rounding</p> <p>Goal 8: Problem Solving Single step addition, subtraction, multiplication, division</p> <p>Simple measurement conversions</p> <p>Goal 10: Organize and Analyze Graphing-line bar</p>	<p>Goal 6: Numbers and Operations Fractions-improper, mixed, simplify Add, subtract, and multiple fractions Division and multiplication of decimals and fractions</p> <p>Goal 7: Estimate and Measure Estimation, rounding, division</p> <p>Goal 8: Problem Solving Multi-step problems using fractions, decimals, measurement, and conversion.</p> <p>Goal 10: Organize and Analyze Tallying graphing</p>	<p>Goal 6: Numbers and Operations Percents Probability</p> <p>Goal 7: Estimate and Measure</p> <p>Goal 8: Problem Solving</p> <p>Goal 9: Size and Shape Geometry Angles Polygons Circle Solids</p> <p>Goal 10: Organize and Analyze Averages Mean, median, mode, bell curve</p>	<p>Goal 6: Numbers and Operations Review and Preview (6th grade)</p> <p>Goal 7: Estimate and Measure Review and Preview</p> <p>Goal 8: Problem Solving Review and Preview Algebra concepts</p> <p>Goal 10: Organize and Analyze Review and preview</p>

Math Priorities: Sixth Grade

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Goal 6: Numbers and Operations Whole numbers through trillions Read, write and say decimals Compare and order quantities Powers and exponents</p> <p>Goal 7: Estimate and Measure Whole and decimal numbers (addition, subtraction, multiplication, and division) Integer number line</p> <p>Goal 8: Problem Solving Order of operations Properties of mathematics</p> <p>Goal 10: Organize and Analyze Qualifiers Gather, organize, and display data Schedules Tables Range, mean, median, and mode Tallies Line plots Line, bar, and circle graphs Use rates and derived units in real-life situations Scattergrams, stem and leaf plot and box and whisker plot</p>	<p>Goal 6: Numbers and Operations Fractions (add, subtract, divide, multiply) Equivalent fractions Unlike denominators</p> <p>Goal 9 Size and Shape Geometric patterns and figures 2 to 3-dimensional shapes Line segments Bisectors Angles Triangles Circles Polygons Tessellation Congruency Construct Scale Drawings Measure and draw angles to the nearest 5 degrees using a protractor Create drawings or models representing specific measures</p> <p>Goal 8: Problem Solving Prediction Solve problems using data</p> <p>Goal 10: Organize and Analyze Communicate the results of a survey or experiment and use them to predict future results and make relevant decisions based on data gathered</p>	<p>Goal 6: Numbers and Operations Fraction, decimal and percent relationships</p> <p>Goal 7: Estimate and Measure Circumference Weight, capacity, length, temperature, and time Perimeter, Area and volume Measure and draw angles</p> <p>Goal 8: Problem Solving Create, describe, and solve problems involving open sentences Solve multi-step problems involving (add., sub., mult., and div.) Numbers, currency, fractions, decimals and percents</p> <p>Goal 10: Organize and Analyze Ratios and probability Explain the concept of "Sample" Analyze, predict, discuss, and defend possible outcomes, probability, and odds involving cards, dice and board games.</p>	<p>Goal 6: Numbers and Operations Review and preview</p> <p>Goal 7: Estimate and Measure Review and preview</p> <p>Goal 8: Problem Solving Review and preview</p> <p>Goal 10: Organize and Analyze Review and preview</p>

Math Priorities: Seventh Grade

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Goal 6: Numbers and Operations Rational numbers Percent Fractions decimals Equivalent fraction Ratios GCF, LCM Number expressions</p> <p>Goal 7: Estimate and Measure Area, volume, weight, time</p> <p>Goal 8: Problem Solving Graph data Properties of numbers Linear equations</p> <p>Goal 10: Organize and Analyze Frequency distributions Probability</p>	<p>Goal 6: Numbers and Operations Inverse relationships (+, -, x, /)</p> <p>Goal 9: Size and Shape Angles Parallel and perpendicular lines Congruence Geometric figures</p> <p>Goal 7: Estimate and measure Ordered pairs Proportional change Scale</p> <p>Goal 8: Problem Solving Variables Ordered pairs Coordinate plane Algebraic expressions</p> <p>Goal 10: Organize and Analyze Mean, median, mode Collect/analyze hypothesis</p>	<p>Goal 6: Numbers and Operations Expanded notation Exponential notation Scientific notation</p> <p>Rational/irrational numbers Consumer application (discount/irrational numbers)</p> <p>Goal 7: Estimate and Measure Measurement Rate Area, volume, weight</p> <p>Goal 8: Problem Solving Evaluate expressions Patterns</p> <p>Goal 10: Organize and Analyze Collect, analyze data Draw conclusions</p>	<p>Goal 6: Numbers and Operations Review and Preview</p> <p>Goal 7: Estimate and Measure Review and Preview</p> <p>Goal 8: Problem Solving Review and Preview</p> <p>Goal 10: Organize and Analyze Review and preview</p>

Math Priorities: Eighth Grade

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
<p>Goal 6: Numbers and Operations Represent and use numbers in equivalent forms, percentages, repeating decimals Add, subtract, multiply, divide rational numbers, inverse relationships of math functions in equations LCM & GCF</p> <p>Goal 7: Estimate and Measure Measure area, length, volume, and surface area problems for geometric shapes, use appropriate units.</p> <p>Goal 8: Problem Solving Determine whether equations or data given in tables define functions Basic properties associative, commutative, orders of operations of real numbers, solve linear equations using addition, multiplication and inverse operations</p> <p>Goal 10: Organize and Analyze Analyze, predict, discuss possible outcomes, estimate probability from a series of trials</p>	<p>Goal 6: Numbers and Operations Compare real numbers using ratios and proportions</p> <p>Goal 7: Estimate and Measure Vertices as ordered pairs to determine area and perimeter of polygon, change in linear dimensions of an object changes perimeter, compare Fahrenheit and Celsius</p> <p>Goal 8: Problem Solving Domain of independent variables, range of dependent variables, solve problems written as expressed, describe how change in one variable affects others Define, use, interpret linear relationships and represent them with graphs and equations. Translate algebraic expressions into phrases and sentences, graph inequalities</p> <p>Goal 9: Size and Shape Use geometric methods to analyze, categorize and draw conclusions about points, lines, planes and space</p> <p>Goal 10: Organize and Analyze Measures of central tendency, displaying data</p>	<p>Goal 6: Numbers and Operations Rational and irrational numbers, square roots, relationships among subsets of real numbers Consumer applications problems, inductive and deductive reasoning, justify solutions for problems</p> <p>Goal 7: Estimate and Measure Draw models Use derived units and indirect methods for obtaining measures</p> <p>Goal 8: Problem Solving Analyze real world situations and patterns to see if linear or other simple relationships exist</p> <p>Goal 10: Organize and Analyze Visualize and represent three dimensional objects in two dimensions</p>	<p>Goal 6: Numbers and Operations Review and Preview</p> <p>Goal 7: Estimate and Measure Review and Preview</p> <p>Goal 8: Problem Solving Review and Preview</p> <p>Goal 10: Organize and Analyze Review and Preview</p>

Math Priorities: Grade _____

First Quarter	Second Quarter	Third Quarter	Fourth Quarter
Goal 6: Numbers and Operations	Goal 6: Numbers and Operations	Goal 6: Numbers and Operations	Goal 6: Numbers and Operations
Goal 7: Estimate and Measure	Goal 7: Estimate and Measure	Goal 7: Estimate and Measure	Goal 7: Estimate and Measure
Goal 8: Problem Solving	Goal 8: Problem Solving	Goal 8: Problem Solving	Goal 8: Problem Solving
Goal 10: Organize and Analyze	Goal 10: Organize and Analyze	Goal 10: Organize and Analyze	Goal 10: Organize and Analyze