



Grade 1 Mathematics

A Year at a Glance

English



Numerical Relationships	Operations	Measurement	Geometry	Data Analysis, Statistics, and Probability	Patterns, Functions, and Algebra
<p>Whole Numbers:</p> <ul style="list-style-type: none"> ★ Count up to 100 objects ★ Group objects into tens and ones ★ Read and write numbers 0 through 100; <i>number words to 10</i> ★ Identify ordinal positions through tenth ★ Count by ones, twos, fives, and tens and count backward by ones ★ <i>Estimate and compare groups using more than, less than, and equal to</i> ★ <i>Compare and order two-digit numbers</i> <p>Fractions:</p> <ul style="list-style-type: none"> ★ <i>Recognize equal parts</i> ★ Identify and represent fractions for one-half and one-fourth 	<p>Estimation:</p> <ul style="list-style-type: none"> ★ Use estimation with whole numbers to determine reasonableness of a solution ★ <i>Estimate and add 3 addends, sums to 10</i> <p>Procedures for Computation:</p> <ul style="list-style-type: none"> ★ <i>Use addition and subtraction strategies</i> ★ Recall basic addition and subtraction facts to 10 ★ <i>Model and record fact families</i> ★ <i>Understand the commutative property</i> ★ Solve one-step addition and subtraction problems 	<p>Standard Units:</p> <ul style="list-style-type: none"> ★ Count, compare, and find equivalent amounts of money to \$1.00 ★ Trade pennies for nickels, dimes, and quarters ★ <i>Explore area with concrete materials</i> ★ <i>Describe Fahrenheit thermometer reading as hot or cold</i> ★ Tell time to the half-hour ★ <i>Name and sequence days of week and seasons</i> <p>Standard and Nonstandard Units:</p> <ul style="list-style-type: none"> ★ <i>Measure length using inches</i> ★ Compare the volumes of two containers ★ Compare weights of two objects up to 1 pound ★ <i>Estimate and compare capacity using non-standard and standard containers (cups, pints, and quarts)</i> 	<p>Identify, Classify, and Transform Shapes:</p> <ul style="list-style-type: none"> ★ Describe the proximity of objects in space ★ <i>Sort plane shapes by size, shape, sides, or corners and identify sorting rule</i> ★ <i>Recognize the concept of symmetry</i> ★ <i>Investigate congruence, using concrete materials</i> ★ <i>Investigate 3-dimensional solids in the environment</i> 	<p>Collect, Organize, Analyze Data:</p> <ul style="list-style-type: none"> ★ <i>Sort data using concrete objects, tally marks, and organized lists</i> ★ <i>Organize, record, and interpret data on grids and charts</i> ★ Interpret information in an object graph, a picture graph, and a bar graph <p>Probability:</p> <ul style="list-style-type: none"> ★ <i>Explore and communicate probability with concrete materials</i> 	<p>Patterns:</p> <ul style="list-style-type: none"> ★ Sort and classify concrete objects (color, size, shape, and thickness) ★ Extend and create repeating and growing patterns ★ <i>Explore the pattern of odd and even numbers</i> <p>Functions:</p> <ul style="list-style-type: none"> ★ <i>Find missing parts in part-whole situations using materials</i> ★ <i>Find a simple function rule given input and output data</i>