



Previous Montana Benchmark Standards	Montana Common Core Standards and Assessments
<p>Montana previously had benchmark standards at the end of grade, 4, 8, and upon graduation. This highlights the end of grade 4 standards for one of the four areas of mathematics.</p> <p><b>Sample Standards</b></p> <p><b>Grade 4</b></p> <p><b>Algebraic and Functional Reasoning</b></p> <p>A student, applying reasoning and problem solving, will use algebraic concepts and procedures to understand processes involving number, operation, and variables and will use procedures and function concepts to model the quantitative and functional relationships that describe change within a variety of relevant cultural contexts, including those of Montana American Indians.</p> <p>4.1 Patterns and Relations            4.2 Symbols and Expressions            4.3 Properties of Number and Operation            4.4 Equivalent Expressions            4.5 Numerical Modeling with Manipulatives</p>	<p>The new Montana Common Core Standards have explicit standards for all grade levels for College and Career Readiness</p> <p><b>Operations and Algebraic Thinking Cluster Progression</b></p> <p><b>Kindergarten</b></p> <p>K. Work with numbers 11 – 19 to gain foundations for place value</p> <p><b>1<sup>st</sup> Grade</b></p> <p>G1. Represent and solve problems involving addition and subtraction</p> <p>G1. Understand and apply properties of operations and the relationship between addition and subtraction</p> <p><b>G1. Add and 2<sup>nd</sup> Grade</b></p> <p>G2. Represent and solve problems involving addition and subtraction</p> <p>G2. Add and subtract within 20</p> <p>G2. Work with equal groups of objects to gain foundations for multiplication</p> <p><b>3<sup>rd</sup> Grade</b></p> <p>G3. Represent and solve problems involving multiplication and division</p> <p>G3. Understand properties of multiplication and the relationship between multiplication and division</p> <p>G3. Multiply and divide within 100</p> <p>G3. Solve problems involving the four operations, and identify and explain patterns in arithmetic</p> <p><b>Grade 4</b></p> <p>G4. Use the four operations with whole numbers to solve problems</p> <p>G4. Gain familiarity with factors and multiples</p> <p>G4. Generate and analyze patterns</p>

Previously, Montana's Mathematics standards included benchmark standards at the end of grade 4, end of grade 8 and upon graduation. The 2009 Mathematics Standards are Number Sense and Operation, Data Analysis, Geometric Reasoning and Algebraic and Functional Reasoning. In the comparison chart, Mathematics Standard 4, Algebraic and Functional Reasoning, is listed with the benchmark standards at the end of grades 4. There are no standards for grades K, 1, 2, 3, 5, 6, 7, 9, 10, or 11.

The new Montana Common Core Standards for Mathematics provide standards for all grade levels K-12.