

Math – Grade 5
Hartley-Melvin-Sanborn CSD
Grade Level/Course Benchmarks

By the end of fifth grade, students will:

5.1 extend their understanding of place value to numbers through millions and millionths in various contexts. (Standard 1)

5.2 apply their understanding models of division, place value, properties, and the relationship of division to multiplication of larger numbers as they develop procedures to find quotients involving multi-digit dividends. (Standards 1, 6)

5.3 apply their understandings of fractions and fraction models, using their knowledge of prime and composite numbers to discover concepts as they use factors and multiples to add and subtract fractions with like and unlike denominators. (Standards 1, 6)

5.4 apply their understandings of decimal models, place value, and properties to add and subtract decimals. (Standard 1)

5.5 relate two-dimensional shapes to three-dimensional shapes and analyze properties of polyhedral solids describing them by the number of edges, faces, and vertices as well as the types of faces. (Standard 3)

5.6 understand attributes as length, area, weight, volume and size of angles, and be able to select appropriate units, strategies, and tools for solving problems in measuring area of rectangles, parallelograms and volume of solids. (Standards 3, 6)

5.7 understand the customary and metric system to carry out simple conversions. (Standard 5)

5.8 use patterns, models, and relationships as context for writing and solving simple equations and inequalities, including variables. (Standards 4, 6)

5.9 apply their understanding of whole numbers, fractions, and decimals as they construct and analyze double-bar and line graphs and use ordered pairs on a coordinate grid. (Standard 2)

5.10 choose and develop the use of rulers, compasses, protractors, computers, or manipulatives for the problem solving process. (Standard 6)

Revised: November, 2007