

**Math – Grade 7**  
**Hartley-Melvin-Sanborn CSD**  
**Grade Level/Course Benchmarks**

By the end of 7th Grade, students will:

- 7.1 Add, subtract, multiply, divide, compare, and order whole numbers, fractions, decimals, and integers. (Standard 1)
- 7.2 Will estimate answers of sums, differences, products, and quotients. (Standards 1 and 6)
- 7.3 Understand geometric properties of lines, angles, triangles, circles, and other polygons and use formulas to determine the measurements of these polygons. (Standards 3 and 6)
- 7.4 Write and solve one and two step equations and inequalities for word problems, and follow the order of operations and use the substitution property to evaluate algebraic expressions. (Standards 1, 4, and 6)
- 7.5 Write ratios, compare ratios, and write and solve proportions to solve rate and similar polygon application problems. (Standard 4 and 6)
- 7.6 Convert fractions and decimals to percents and use percents to find interest, sales tax, simple and compound interest, and discounts. (Standards 1 and 6)
- 7.7 Convert metric units and customary units to larger and smaller quantities including temperature comparisons of Celsius and Fahrenheit. (Standards 5 and 6)
- 7.8 Plot points using the coordinate plane to show geometric relationships, and graph linear equations. (Standards 2 and 3)
- 7.9 Display data in bar graphs, histograms, frequency tables, circle graphs, line plots, and describe the best measures of central tendencies for a set of data. (Standards 2 and 6)
- 7.10 Understand and apply problem solving strategies. (Standard 6)

Revised: November, 2007