

Math – Grade 8
Hartley-Melvin-Sanborn CSD
Grade Level/Course Benchmarks

By the end of 8th grade Math, students will:

- 8.1 Use the language of mathematics to describe and convert mathematical calculations. (Standards 1 and 6)
- 8.2 Explain and apply the order of operations. (Standards 1 and 6)
- 8.3 Read, write and perform basic operations on rational numbers. (Standards 1)
- 8.4 Finding the slope of a line, interpret slope as the ratio of vertical change to horizontal change. (Standards 4 and 6)
- 8.5 Use a five function calculator and the functions of a scientific calculator appropriate to the problem. (Standard 6)
- 8.6 Collect, analyze, and interpret data using graphs, table and charts. (Standards 2 and 6)
- 8.7 Compute the area, volume, and surface area of two and three dimensional figures. (Standards 3 and 6)
- 8.8 Use mental computation, estimation techniques and measurement skills to check the reasonableness of solutions to problems. (Standard 6)
- 8.9 Solve problems using proportion, ratio and percent. (Standard 4)
- 8.10 Solve problems using algebraic equations, mental computation, estimation techniques and measurement skills with all different types of numbers (whole, fractional, decimal, integers). (Standards 1 and 4)
- 8.11 Demonstrate the use of several methods to solve algebraic equations (linear and quadratic). (Standard 4)

Revised: November, 2007