

3501.0725 GRADE 5 STANDARDS.**Subpart 1. Number and operation.**

A. The student will divide multidigit numbers. The student will solve real-world and mathematical problems using arithmetic.

B. The student will read, write, represent, and compare fractions and decimals. The student will recognize and write equivalent fractions, and convert between fractions and decimals. The student will use fractions and decimals in real-world and mathematical situations.

C. The student will add and subtract fractions, mixed numbers, and decimals to solve real-world and mathematical problems.

Subp. 2. Algebra.

A. The student will recognize and represent patterns of change. The student will use patterns, tables, graphs, and rules to solve real-world and mathematical problems.

B. The student will use properties of arithmetic to generate equivalent numerical expressions and evaluate expressions involving whole numbers.

C. The student will understand and interpret equations and inequalities involving variables and whole numbers, and use them to represent and solve real-world and mathematical problems.

Subp. 3. Geometry and measurement.

A. The student will describe, classify, and draw representations of three-dimensional figures.

B. The student will determine the area of triangles and quadrilaterals. The student will determine the surface area and volume of rectangular prisms in various contexts.

Subp. 4. **Data analysis.** The student will display and interpret data. The student will determine mean, median, and range.

Statutory Authority: *MS s 120B.023*

History: *33 SR 507*

Published Electronically: *October 3, 2013*