

FIFTH GRADE MINNESOTA ACADEMIC STANDARDS IN MATHEMATICS

STRAND

STANDARD

NUMBER AND OPERATION

Divide multi-digit numbers; solve real-world and mathematical problems using arithmetic.

Read, write, represent and compare fractions and decimals; recognize and write equivalent fractions; convert between fractions and decimals; use fractions and decimals in real-world and mathematical situations.

Add and subtract fractions, mixed numbers and decimals to solve real-world and mathematical problems

Recognize and represent patterns of change; use patterns, tables, graphs and rules to solve real-world and mathematical problems.

ALGEBRA

Use properties of arithmetic to generate equivalent numerical expressions and evaluate expressions involving whole numbers.

Understand and interpret equations and inequalities involving variables and whole numbers, and use them to represent and solve real-world and mathematical problems.

Describe, classify, and draw representations of three-dimensional figures.

GEOMETRY AND MEASUREMENT

Determine the area of triangles and quadrilaterals; determine the surface area and volume of rectangular prisms in various contexts.

DATA ANALYSIS

Display and interpret data; determine mean, median and range.

