

**FOURTH GRADE
MINNESOTA ACADEMIC STANDARDS IN MATHEMATICS**

STRAND	STANDARD
NUMBER AND OPERATION	Demonstrate mastery of multiplication and division basic facts; multiply multi-digit numbers; solve real-world and mathematical problems using arithmetic.
	Represent and compare fractions and decimals in real-world and mathematical situations; use place value to understand how decimals represent quantities.
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ALGEBRA	Use input-output rules, tables and charts to represent patterns and relationships and to solve real-world and mathematical problems.
	Use number sentences involving multiplication, division and unknowns to represent and solve real-world and mathematical problems; create real-world situations corresponding to number sentences.
GEOMETRY AND MEASUREMENT	Name, describe, classify and sketch polygons.
	Understand angle and area as measurable attributes of real-world and mathematical objects. Use various tools to measure angles and areas.
	Use translations, reflections and rotations to establish congruency and understand symmetries.
DATA ANALYSIS	Collect, organize, display and interpret data, including data collected over a period of time and data represented by fractions and decimals.

