

TFSD Power Standards

6th Grade

Mathematics

Standard 1: Number and Operation

Students demonstrate understanding of the relationship between decimals, fractions and whole numbers by labeling a single number line with all formats.

Standard 2: Concepts and Principles of Measurement

Students measure, solve, and convert units of measurement.

Standard 3: Concepts and Language of Algebra and Functions

Students demonstrate understanding of the relationship between whole numbers, decimals and fractions in regard to algebraic rules by solving for an unknown.

Standard 4: Concepts and principles of Geometry

Students describe and classify relationships among one to three dimensional figures using defining properties of geometry.

Standard 5: Data Analysis, Probability, and Statistics

Students use data analysis, probability and statistics to analyze and apply mathematical information.

In all of the standards students use problem-solving skills: they choose how to approach a problem, they explain their reasoning, and they check their results to determine if they are reasonable. Throughout, students investigate, describe, and identify patterns. Students should read text, data, tables, and graphs with comprehension and understanding. Their writing should be coherent and they should use correct mathematical vocabulary. Connecting mathematical concepts includes linking new ideas to related ideas learned previously and helping students to see mathematics as a unified body of knowledge whose concepts build upon each other. Student should connect their mathematical learning to appropriate real-world contexts.