7th Grade Math Syllabus

Course Description

7th Grade Math builds on the foundational math concepts developed in earlier grades. Students deepen their understanding of proportional relationships, algebraic reasoning, geometry, data analysis, and probability. Instruction emphasizes problem-solving and real-world application to prepare students for advanced mathematics in 8th grade and beyond.

Curriculum Overview

Unit	Unit Name	Readiness TEKS	Supporting TEKS
Unit 1	Circles	7.9B	7.5B *(Not Assessed: 7.8C)*
Unit 2	Proportional Relationships	7.4A, 7.4D	7.4B, 7.4C, 7.4E
Unit 3	Applying Proportional Relationships	7.4D, 7.5C	7.5A, 7.13A–F
Unit 4	Reasoning Algebraically	7.3B, 7.11A	7.2A, 7.3A, 7.10A–C, 7.11B–C
Unit 5	Non-Proportional Relationships	7.7A	7.4B, 7.4C
Unit 6	Probability	7.6H, 7.6I	7.6A, 7.6C–E *(Not Assessed: 7.6B, 7.6F)*
Unit 7	Data	7.6G, 7.12A	7.12B, 7.12C
Unit 8	Geometry	7.9A–C	7.5B, 7.9D, 7.11C *(Not Assessed: 7.8A–C)*
Unit 9	STAAR Review	—	—
Unit 10	Step Up to 8th Grade	—	—

Skills & Standards

- Solve problems involving circles, including area and circumference

- Analyze and apply proportional and non-proportional relationships

- Solve multistep problems using algebraic reasoning

- Represent and evaluate expressions, equations, and inequalities

- Understand and apply concepts of probability and data analysis

- Work with geometric figures and relationships in two dimensions

- Interpret and represent data using multiple formats

- Prepare for 8th grade math with advanced algebraic thinking

- Develop problem-solving strategies and justify mathematical reasoning

Grading

Please refer to the Forney ISD Grading Guidelines for expectations regarding grading, late work, and reassessment policies