



Semester 1

Term 1

- **Numbers and Operations**
 - Add, Subtract, Multiply and Divide Rational Numbers
 - Fractions, Decimals, Integers, Whole Numbers
- **Proportionality**
 - Unit Rates
 - Constant of Proportionality
 - Constant Rates of Change
 - Pictorial, Numeric, Tabular, Verbal, and Graphical
 - Measurement Conversions

Term 2

- **Proportionality**
 - Mark Up and Mark Down & Percent Increase and Decrease
 - Similarity
 - Scale Drawings
- **Probability**
 - Simple and Compound Events
 - Experimental and Theoretical Probability
 - Qualitative and Quantitative Predictions
 - Sample Spaces and Tree Diagrams

District Grade 7 Review and Semester Exam

Semester 2

Term 3

- **Expressions, Equations, and Relationships**
 - One-Variable, Two-Step Equations and Inequalities
 - Solving, Writing, and Modeling
 - Linear Relationships
 - Verbal Descriptions
 - Tables, Graphs, and Equations
 - $y = mx + b$
 - **Geometric Concepts with Equations**
 - Circles
 - Circumference, Diameter, Radius, π
 - Area of Circles and Composite Figures
 - Volume
 - Rectangular and Triangular Prisms and Pyramids
 - Lateral and Total Surface Area
 - Rectangular and Triangular Prisms and Pyramids
-

Term 4

- **Measurement and Data**
 - Bar and Circle Graphs
 - Dot and Box Plots
 - Comparing Data
- **Personal Financial**
 - Sales and Income Tax
 - Simple Interest and Compound Interest
 - Incentives, Sales Rebates, and Coupons
 - Personal Budgets and Savings
 - Financial Assets and Liabilities

STAAR Review and Grade 7 STAAR Test

- **Numbers and Operations**
 - Rational Numbers Review

Grade 7 Semester Exam



Yearly Overview Mathematics 7

2020-2021