

Quarter 1

Teach extended response and ISAT ruler

Chapter 1 The Tools of Algebra

- 1-2 6.07.09 Numbers & Expressions: add pos. exponents, fractions, powers of 10
- 1-3 8.07.05 Variable & Expressions
- 1-4 6.07.10 Properties

Chapter 2: Integers

- 2-1 6.07.02 Integers & Absolute Value
- 2-2 6.07.08 Adding Integers
- 2-3 6.08.09 Subtracting Integers
- 2-4 8.07.05 Multiplying Integers
- 2-5 6.08.09 Dividing Integers
- 2-6, 1-6 9.07.05 The Coordinate System, Ordered Pairs and Relations

Chapter 3: Equations

- 3-1 8.07.04 Distributive Property
- 1.5 8.07.11 Variables and Equations
- 3-2 8.07.03 Simplifying Algebraic Expressions
- 3-3 8.7.11 Solving Equations: Addition and Subtraction
- 3-4 8.7.11 Solving Equations: Multiplication and Division
- 3-5 8.7.11 Solving Two-Step Equations
- 3-6 8.7.11 Writing Two-Step Equations
- 3-7 8.7.11 Formulas

Chapter 4: Factors & Fractions

- 4-1 6.07.07 Factors and Monomials
- 4-2 6.07.04 Powers and Exponents
- 4-3 6.08.08 Prime Factorization
- 4-4 6.08.08 Greatest Common Factor
- 4-5 8.08.03 Simplifying Algebraic Expressions
- 4-6 6.08.05 Multiplying & Dividing Monomials

Quarter 2

Teach short response

Chapter 5 Rational Numbers

- 5.1 6.07.03 Writing Fractions as Decimals
- 6.07.05 Multiplying Rational Numbers (9-2 Chart)
- 5.2 6.07.06
- 5.3 6.07.08 Dividing Rational Numbers
- 5.4 6.07.08 Adding & Subtracting Like Fractions
- 5.5, 5.7 6.07.08 Adding & Subtracting Unlike Fractions
- 5.6 6.07.07 Solving Equations with Rational Numbers
- 5.9 8.07.11 Solving Equations with Rational Numbers

Chapter 6 Ratio Proportion and Percent

- 6.1 6.07.14 Ratio and Rates
- 6.07.15 Using Proportions
- 6.2 6.07.17
- 6.3 6.07.16 Scale Drawings and Models
- 6.4 6.07.16 Fractions, Decimals, and Percents
- 6.5 6.07.17 Using the Percent Proportion

Chapter 7 Equations and Inequalities

- 7-1 8.07.11 Solving Eq. w/variable both sides
- 7-2 " " Solving Eq. w/grouping symbols
- 7-3 8.07.11 Inequalities
- 7-4 8.07.11 Solving Ineq. By adding or subtracting
- 7-5 8.07.11 Solving Ineq. By multiplying & Dividing
- 7-6 8.07.11 Solving Multi-Step Equations

Chapter 8 Functions and Graphing

- 8-1 8.07.06 Functions
- 8.07.07
- 8.07.08
- 8-2 " " Linear Equations in Two Variables

Quarter 3

Practice both extended and short response

Chapter 9: Real Numbers & Right Triangles

9-1	6.07.07	Squares and Square Roots: add cube roots
9-2	6.07.13	Real Number System
9-4	9.07.03	Triangles
10-2	9.07.13	Congruent Triangles
9-7	9.07.13 9.07.14	Similar Triangles
9-7	9.07.14	Indirect Measurement

Chapter 10 Two Dimensional Figures

10-1	9.7.08 9.7.10 9.7.01	Line & Angle Relationships
10-4	9.7.03 9.7.02	Quadrilaterals
10-5	7.7.02 9.7.12	Area: Parallelograms, Triangles, Trap.
10-6	9.7.01	Polygons
10-7	9.7.14 9.7.04 9.7.02	Circumference & Area of a Circle
10-8	7.7.02	Area: Irregular Shapes

Chapter 11: Three-Dimensional Figures

11-1	9.7.11 9.7.02	Three-Dimensional Figures: add nets
11-2	7.7.04 9.7.02	Volume: Prisms & Cylinders: teach prisms only
11-4	7.7.04	Surface Area: Prisms and Cylinders: teach prisms only

Chapter 12: More Stats & Probability

5-8	10.7.05	Measures Of Central Tendancy
12-1	10.7.01	Stem & Leaf Plots
1-7	10.7.01	Scatter Plots: Teach with 8.8 Line of Best Fit
12-4	10.7.01	Histograms
12-5	10.7.01	Misleading Statistics
12-6	10.7.07	Counting Outcomes
6-9	10.7.06	Probability and Predictions
12-7	10.7.08	Permutations & Combinations
12-9	10.7.06	Probability of Compound Events

Quarter 4

Chapter 8 Functions and Graphing

8-1 & 8-2	8.07.06 8.07.07 8.07.08	Functions, Linear Equations in Two Variables (review)
8-3	8.7.07 8.7.08	Graphing Linear Equations with 2 Variables
8-4	8.8.09	Slope
8-5	8.7.06	Rate of Change
8-6	8.7.07	Slope-Intercept form
8-7	8.7.10	Writing Linear Equations

Miscellaneous

4-7	6.7.04	Negative Exponents
4-8	6.7.01	Scientific Notations
5-3	6.7.15	Dimensional Analysis
9-5	9.7.02	Pythagorean Theorem
6.6	6.7.17 6.7.17 8.7.10	Mental Percents
6.7	8.7.11	Using Percent Equations (supp. simple interest & tip)
6.8	6.7.17	Percent of Change
10.3	9.7.6 & .7	Transformations & Symmetry
11.2	9.7.02	Volume Cylinders
11.3	7.8.04	Volume Pyramids (optional)
11.4	9.7.02	Surface Area: Cylinders
11.5	7.8.04	Surface Area: Pyramids (optional)
12-2	10.7.04	Measures Of Variation (optional)
12-3	10.7.03 10.7.03	Box & Whisker Plots (optional) Supplement Circle Graphs
various		Review Computation: Integers and Fractions(without a calculator)