

Math 7 Areas of Study

Module 1 Ratio and Proportions

Topic A
Proportional Relationships

Topic B
Unit Rate and Constant of Proportionality

Topic C
Ratios and Rates Involving Fractions

Topic D
Ratios of Scale Drawings

Module 2 - Rational Numbers

Topic A
Addition and Subtraction of Integers and Rational Numbers

Topic B
Multiplication and Division of Integers and Rational Numbers

Topic C
Applying Operations with Rational Numbers to Expressions and Equations

Module 3 Expressions and Equations

Topic A
Use Properties of Operations to Generate Equivalent Expressions

Topic B
Solve Problems Using Expressions, Equations, and Inequalities

Topic C
Use Equations and Inequalities to Solve Geometry Problems

Module 4 Percents and Proportional Relationships

Topic A
Finding the Whole

Topic B
Percent Problems Including More than One Whole

Topic C
Scale Drawings

Module 5 Statistics and Probability

Topic A
Calculating and Interpreting Probabilities

Topic B
Estimating Probabilities

Topic C
Random Sampling and Estimating Population Characteristics

Topic D
Comparing Populations

Module 6 Geometry

Topic A
Unknown Angles

Topic B
Constructing Triangles (optional)

Topic C
Slicing Solids

Topic D
Problems Involving Area and Surface Area

Topic E
Problems Involving Volume