

MiC's Summer Math Program

LEVEL 1: GRADE 6

Lesson One—The Ratio Table

Lesson Two—The Bar Model

Lesson Three—Ratios, Fractions, Decimals, and Percents

Lesson Four—The Double Number Line

Lesson Five—Unit Rate

Lesson Six—One-Variable Equations

Lesson Seven—Solving and Graphing Equations

Lesson Eight—Equivalent Expressions

Lesson Nine—Properties of Operations

Lesson Ten—Inequalities

Lesson Eleven—Solving Problems Using Ratio Reasoning

Lesson Twelve—Area Patterns

Lesson Thirteen—Volume

Lesson Fourteen—Graphing and Scatter Plots

Lesson Fifteen—Dot Plots and the Mode

Lesson Sixteen—Histograms and the Mean

Lesson Seventeen—Box Plots and the Median

Lesson Eighteen—Time Zones and Number Lines

Lesson Nineteen—Understanding Order and Absolute Value

Lesson Twenty—Operations and Coordinates



Funded in part by the National Science Foundation

©2016 Encyclopædia Britannica, Inc. Mathematics in Context was developed in a collaboration between the Wisconsin Center for Education Research and the Freudenthal Institute of The University of Utrecht in The Netherlands. Britannica, Encyclopædia Britannica, and Mathematics in Context & Design are registered trademarks of Encyclopædia Britannica, Inc.

MiC's Summer Math Program LEVEL 1: GRADE 7

Lesson One—Math Models You Can Count On

Lesson Two—Unit Rate

Lesson Three—Percent Calculations

Lesson Four—Proportional Relationships

Lesson Five—Ratios and Inequalities

Lesson Six—Combining Opposites

Lesson Seven—Rational Numbers and Number Lines

Lesson Eight—Multiplying Rational Numbers

Lesson Nine—Properties of Number Operations

Lesson Ten—Rational Numbers Revisited

Lesson Eleven—Rational Numbers in Context

Lesson Twelve—Circles

Lesson Thirteen—Surface Area and Volume

Lesson Fourteen—Slicing Three – Dimensional Figures

Lesson Fifteen—Sides, Angles, and Triangles

Lesson Sixteen—Scale Drawings

Lesson Seventeen—What's the Chance?

Lesson Eighteen—Compound Events

Lesson Nineteen—Selecting Samples

Lesson Twenty—Comparing Two Populations



Funded in part by the National Science Foundation

©2016 Encyclopædia Britannica, Inc. Mathematics in Context was developed in a collaboration between the Wisconsin Center for Education Research and the Freudenthal Institute of The University of Utrecht in The Netherlands. Britannica, Encyclopædia Britannica, and Mathematics in Context & Design are registered trademarks of Encyclopædia Britannica, Inc.

MiC's Summer Math Program LEVEL 3: GRADE 8

Lesson One—Proportional Relationships

Lesson Two—Linear Patterns

Lesson Three—Slope

Lesson Four—Equation of a Line

Lesson Five—Solving Equations I

Lesson Six—Solving Equations II

Lesson Seven—Systems of Equations I

Lesson Eight—Systems of Equations II

Lesson Nine—Linear Functions

Lesson Ten—Nonlinear Functions

Lesson Eleven—Congruent Triangles

Lesson Twelve—Transformations

Lesson Thirteen—Parallel Lines and Angles

Lesson Fourteen—Transversals

Lesson Fifteen—The Pythagorean Theorem

Lesson Sixteen—Distances: Pythagoras

Lesson Seventeen—Coordinate Geometry

Lesson Eighteen—Volume of a Cylinder

Lesson Nineteen—Cones and Spheres

Lesson Twenty—Correlating Bivariate Data



Funded in part by the National Science Foundation

©2016 Encyclopædia Britannica, Inc. Mathematics in Context was developed in a collaboration between the Wisconsin Center for Education Research and the Freudenthal Institute of The University of Utrecht in The Netherlands. Britannica, Encyclopædia Britannica, and Mathematics in Context & Design are registered trademarks of Encyclopædia Britannica, Inc.