

Scope and Sequence:

Kumon Middle School Math series, Grades 6–8

PRE-ALGEBRA

Greatest Common Factor

Comparing, adding, subtracting, multiplying, and dividing fractions

Converting fractions, decimals, and percents

Exponents

Order of operations

Addition, subtraction, multiplication, and division of negative numbers

Values of algebraic expressions

ALGEBRA

Simplifying algebraic expressions

Solving equations

The distributive property

Transposition/inverse operations

Linear functions

Simultaneous linear equations

Word problems with equations

Inequalities

Graphs

INTRO TO GEOMETRY

Scale drawings

Cross sections of figures

Angle relationships

Area

Surface area

Volume

GEOMETRY

Congruence

Triangles and quadrilaterals

Ratios

Parallel lines and area

Coordinate planes

Dilation

Similarity

Transformations

Angle relationships

Area

Volume

The Pythagorean Theorem

WORD PROBLEMS

Fractions

Algebraic expressions

Linear equations

Proportions and inverse proportions

Inequalities

Graphs

Linear functions

