



GRADES K-8



GRADES 9-12



ADULT EDUCATION

SYLLABUS

COMPLETE INTERACTIVE FLEXIBLE LEARNING SYSTEM

Geometry

MathMedia Geometry Series is a full year high school learning program. It is a comprehensive, standards based course following the traditional first and second semesters of the high school geometry curriculum. It meets the National Common Core Standards for high school geometry.

Theorems, Definitions & Proofs

- (1) Points, Lines & Angles
- (2) Bisectors & Trisectors
- (3) Perpendicularity
- (4) Comps & Supps
- (5) Addition & Subtraction
- (6) Multiplication & Division
- (7) Vertical Angles
- (8) Isosceles Triangles
- (9) Altitude & Median
- (10) Congruent Triangles

VOCABULARY SECTION

PRACTICE TEST (Use this test as a review for the chapter test).

TEST FOR SCORING

- Part 1: Questions 1 - 10
- Part 2: Questions 11 - 20
- Part 3: Questions 21 - 30

Polygons & Similarity

How to Use This Program
 Review Pre-Requisites

- (1) Triangle Sum
- (2) Exterior Angle Theorem
- (3) Triangle Inequalities
- (4) Midline Theorem
- (5) Polygon Formulas
- (6) Ratio & Proportion
- (7) Properties of Proportions
- (8) Similarity

VOCABULARY SECTION

PRACTICE TEST (Use this test as a review for the chapter test).

Test for Scoring

- Part 1: Questions 1 - 10
- Part 2: Questions 11 - 20
- Part 3: Questions 21 - 30

Area

How to Use This Program
 Tips for Success
 Right Triangle Review
 Properties of Regular Polygons

- (1) Perimeter
- (2) Rectangles
- (3) Parallelograms
- (4) Triangles
- (5) Trapezoids
- (6) Kites
- (7) Regular Polygons
- (8) Circles
- (9) Surface Area

PRACTICE TEST (Use this test as a review for the chapter test).

Test for Scoring

- Part 1: Questions 1 - 10
- Part 2: Questions 11 - 20
- Part 3: Questions 21 - 30

Coordinate Geometry

- (1) Coordinates on the Number Line
- (2) Coordinates in the Plane
- (3) Slope
- (4) Writing Linear Equations
- (5) Systems of Linear Equations
- (6) Systems of Inequalities
- (7) Distance Formula
- (8) Midpoint Formula
- (9) TEST

- Part 1: Questions 1 - 10
- Part 2: Questions 11 - 20
- Part 3: Questions 21 - 30

Fun with Transformations

Parallels & Quadrilaterals

How to Use This Program
 Review Pre-Requisites

- (1) Parallel Lines
- (2) Parallelograms
- (3) Rectangles
- (4) Rhombus
- (5) Squares
- (6) Trapezoids
- (7) Kites
- (8) Family Tree of Quads

VOCABULARY SECTION

PRACTICE TEST (Use this test as a review for the chapter test).

Test for Scoring

- Part 1: Questions 1 - 10
- Part 2: Questions 11 - 20
- Part 3: Questions 21 - 30

Circles

How to Use This Program
 Tips for success

- Right Triangle Review
 Definitions
 Chords
 Arcs
 Angles (Important!)
 Arc Length
 Segment Lengths
 Common Tangent Length
 Quadrilaterals (inscribed)
 Challenge Problems

PRACTICE TEST (Use this test as a review for the chapter test).

Test for Scoring

- Part 1: Questions 1 - 10
- Part 2: Questions 11 - 20
- Part 3: Questions 21 - 30

Volume

How to Use This Program
 Tips for Success
 Right Triangle Review
 Surface Area Review
 Properties of Regular Polygons

- (1) Prisms
- (2) Cylinders
- (3) Cones
- (4) Pyramids
- (5) Spheres
- (6) Practical Applications

PRACTICE TEST (Use this test as a review for the chapter test).

Test for Scoring

- Part 1: Questions 1 - 10
- Part 2: Questions 11 - 20
- Part 3: Questions 21 - 30

LEARNING FEATURES

- Easy to Use
- Plenty of Practice Screens with on-demand help
- Practice Tests with hints and solutions
- Chapter Tests
- Each assessment is scored
- Score reporting to included database
- Bookmarking

PREREQUISITES

1 year of Algebra

DELIVERY METHODS

- Online Subscription for all devices
- Downloadable for Windows
- CD for Windows