

PEAK MATH | SYLLABUS



PREALGEBRA – PART 2

Session 17: Percents

- Conversion
- Operations
- Word Problems

Session 18: Percents

- Percent Increase & Decrease
- Multiple Percent Changes

Session 19: Squares & Square Roots

- From Squares to Roots
- Irrational Numbers

Session 20: Square Roots

- Addition & Subtraction of Roots
- Multiplication of Roots
- Operations With & Within Roots

Session 21: Angles & Parallel Lines

- Measuring Angles
- Terminology
Planar, Line Segment, Endpoints, Line, Origin Ray, Vertex
- Parallel Lines

Session 22: Angles in Polygons

- Terminology
Side, Diagonal, Interior Angle, Exterior Angle
- Sum of Interior Angles

Session 23: Perimeter & Area

- Measuring Segments
- Area & Unit Squares
- Circles

Session 24: Review

Session 25: Pythagorean Theorem

- Proof
- Pythagorean Triple

Session 26: Special Triangles

- Isosceles Right Triangles
- 45-45-90
- 30-60-90

Session 27: Quadrilaterals

- Rectangles
- Squares
- Parallelograms
- Trapezoids
- Rhombi

Session 28: Statistics

- Average (mean or arithmetic mean)
- Median
- Mode
- Range

Session 29: Statistics

- Tables
- Graphs
- Charts

Session 30: Counting

- Inclusive
- Exclusive
- Venn Diagram
- Shortcuts

Session 31: Counting

- The Multiplication Principle
- Casework
- Counting Pairs
- Probability

Session 32: Review