



WEST SHORE SCHOOL DISTRICT
Pacing Guide: Pre-Algebra Grade 7

Week	Module
1	Rational Numbers
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7	Relations Equations, Expressions and Inequalities
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14	Ratios, Rates, Proportions and Percent
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20	Perimeter, Area and Volume
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26	Geometry
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32	Probability
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Module 1- Rational Numbers (6 weeks)

Add/Subtract rational numbers, w/ & w/out a number line, multiply/divide rational numbers to include fractions & decimals (positive & negatives), terminating & repeating decimals, convert between fractions, decimals, and percents, compare & order rational numbers, estimation in problem solving, multi-step problem solving, determine reasonableness in problem solving

Module 2- Relations, Equations, Expressions, and Inequalities (7 weeks)

Simplifying expressions, factoring and distributive property in expressions, solving a 2-step equation, write & solve multi-step equations, determine reasonableness in problem solving, one & two step inequalities with distributive property, solve word problems with inequalities

Module 3- Ratios/Rates/Proportions & Percent (6 weeks) (2 tests)

Ratios, rates, unit price, writing & solving proportions, use proportions to solve real world problems, indirect measurement, constant of proportionality, identify proportionality within a table, graph, equations, diagrams, scale drawings & models, scale factors. Part 2- percents, taxes, commissions, discounts, simple interest, percent increase & decrease

Module 4- Perimeter, Area & Volume (6 weeks)

Area of rectangles, parallelogram, triangle, trapezoid, circles (area & circumference), 3D figures & their nets, surface area (prisms & cubes) & volume (prism, cubes, cylinders, cones, spheres)

Module 5- Geometry (6 weeks)

Supplementary, complementary, adjacent angles, parallel & perpendicular lines & angles formed within a transversal, classifying polygons & sum of interior angles of a n-sided polygon, properties of triangles, identify triangles by side & angle, triangle inequality theorem

Module 6- Probability (5 weeks)

Language of probability, simple events, counting principle, compound events, use tables, lists, simulations & tree diagrams to describe possible outcomes, measures of center & variability, experimental probability, random sampling