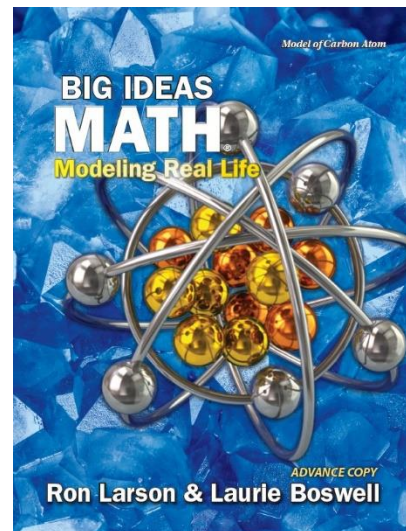


Big Ideas Math: Modeling Real Life, Grade 8,
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Correlated to the Seventh Day Adventist Math
Standards

Grade 8



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Grade 8

Standard	Title
Grade 8	
NUMBERS AND OPERATIONS	
Rational/Irrational Numbers	
8.NO.1 Informally understand and use number sense for irrational numbers (8.NS.1,2)	9.4, 9.5
OPERATIONS AND ALGEBRAIC THINKING	
Expressions/Equations/Inequalities	
8.OAT.1 Work with radicals and integer exponents (8.E.E.1,2,3,4)	8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 9.1, 9.2, 9.3
28.OAT.2 Understand and graph the connections between proportional relationships, lines, slope, and linear equations (8.EE.5,6)	4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 7.2, 7.3, 7.5
8.OAT.3 Analyze and solve linear equations and pairs of simultaneous linear equations (8.EE.7,8)	1.1, 1.2, 1.3, 1.4, 5.1, 5.2, 5.3, 5.4
Functions	
8.OAT.4 Define, evaluate, compare, and use functions to model relationships between quantities (8.F.1,2,3,4,5)	7.1, 7.2, 7.3, 7.4, 7.5
MEASUREMENT	
Mathematical Precision	
8.M.1 Use appropriate significant digits in calculations	This standard is not directly addressed in this edition of Modeling Real Life, Grade 8.
GEOMETRY	
Figures	
8.GEO.1 Understand congruence and similarity using various mediums including geometric software (8.G.1,2,3,4,5)	2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.4

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Standard	Title
8.GEO.2 Understand and apply the Pythagorean Theorem (8.G.6,7,8)	9.2, 9.5, 9.6
Volume	
8.GEO.3 Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres (8.G.9)	10.1, 10.2, 10.3, 10.4
DATA ANALYSIS, STATISTICS, AND PROBABILITY	
Statistics and Probability	
8.DSP.1 Investigate patterns of association in bivariate data (8.SP.1,2,3,4)	6.1, 6.2, 6.3, 6.4