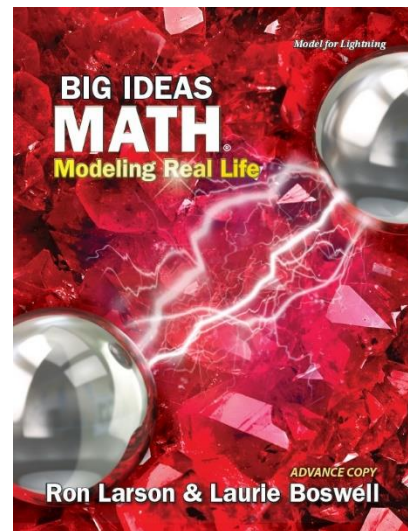


Big Ideas Math: Modeling Real Life, Grade 4, © 2019 Correlated to the Seventh Day Adventist Math Standards

Grade 4



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Grade 4

Standard	Title
Grade 4	
NUMBERS AND OPERATIONS	
Place Value	
4.NO.1 Use place value understanding of multi-digit whole numbers to round to any place up to millions (4.NBT.1,3)	1.4, 2.1, 3.3, 4.2
4.NO.2 Read, write, compare, and understand whole numbers using standard, number name, and expanded forms (4.NBT.2)	1.1, 1.2, 1.3
Basic Operations	
4.NO.3 Add and subtract multi-digit whole numbers; multiply up to 4 digits X 1 digit and 2 digits X 2 digits; divide using a one-digit divisor and up to a four-digit dividend with and without a remainder (4.NBT.4,5,6)	2.1, 2.2, 2.3, 2.4, 2.5, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9
Fractions/Decimals	
4.NO.4 Understand, express, and order fractions with different numerators and denominators; numerically express equivalent fractions (4.NF.1,2)	7.1, 7.2, 7.3, 7.4, 7.5
4.NO.5 Add and subtract fractions and mixed numbers with common denominators; multiply fractions by whole numbers (4.NF.3,4)	8.1, 8.2, 8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 9.1, 9.2, 9.3, 9.4, 9.5
4.NO.6 Understand, compare, and use decimal notation for fractions with denominators of 10 or 100 (4.NF.5,6,7)	10.1, 10.2, 10.3, 10.4, 10.5, 10.6

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Standard	Title
OPERATIONS AND ALGEBRAIC THINKING	
Multiplication	
4.OAT.1 Memorize and fluently multiply using the multiplication facts through 12	Additional Topic: Multiply by 11 or 12. Also see <i>Big Ideas Math: Modeling Real Life, Grade 3</i> , © 2019 in Lessons 1.1, 1.2, 1.3, 1.4, 2.1, 2.2, 2.3, 2.4, 2.5, 2.6, 3.1, 3.2, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, and 3.9.
Problem Solving	
4.OAT.2 Solve multi-step word problems including remainder interpretation and estimate to check; create equations with a letter for the unknown (4.OA.1,2,3)	2.5, 3.1,3.3, 3.10, 4.2, 4.8, 5.2, 5.9, 12.1, 12.2, 12.3, 12.4
Factors	
4.OAT.3 Find all factor pairs for a whole number within 100; identify whole numbers as prime or composite (4.OA.4)	6.1, 6.2, 6.3, 6.4
4.OAT.4 Understand the basic concepts of least common multiple (LCM) and greatest common factor (GCF)	This standard is addressed in <i>Big Ideas Math: Modeling Real Life, Grade 6</i> , © 2019 in Lessons 1.4 and 1.5.
Patterns	
4.OAT.5 Generate and analyze number and shape patterns (4.OA.5)	6.5, 6.6
MEASUREMENT	
Measurement/Conversion	
4.M.1 Solve problems involving measurement (time, volume, mass, money, simple fractions, decimals, distance) (4.MD.2)	10.7, 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.8, 11.9

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Standard	Title
4.M.2 Convert measurement from a larger unit to a smaller unit (km, m, cm; kg, g; lb, oz; L, mL; hr, min, sec) (4.MD.1)	11.1, 11.2, 11.3, 11.4, 11.5, 11.7, 11.9
4.M.3 Apply area and perimeter formulas (4.MD.3)	12.1, 12.2, 12.3, 12.4
4.M.4 Read a Fahrenheit and Celsius thermometer knowing the significance of 32°F, 212°F, 0°C, and 100°C	The opportunity to address this standard exists. For example, see: Additional Topic: Temperature: Understanding Temperatures.
Angles	
4.M.5 Recognize angles as geometric shapes that are formed wherever two rays share a common end point; understand concepts of angle measurement and measure angles in whole-number degrees (4.MD.5,6,7)	13.2, 13.4, 13.5, 13.6, 13.7, 13.8
Money	
4.M.6 Know how to count up to make change	10.7
GEOMETRY	
Lines/Angles	
4.GEO.1 Draw and identify points, lines, line segments, rays, angles, and perpendicular and parallel lines (4.G.1)	13.1, 13.2, 13.3
4.GEO.2 Classify figures with perpendicular and parallel lines, and angles of a specified size (4.G.2)	14.3, 14.4, 14.5
4.GEO.3 Recognize and draw lines of symmetry with two-dimensional figures (4.G.3)	14.1, 14.2

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Standard	Title
DATA ANALYSIS, STATISTICS, AND PROBABILITY	
Data	
4.DSP.1 Solve addition and subtraction problems using a line plot to display a data set of measurement in fractions of a unit (halves, fourths, and eighths) (4.MD.4)	11.6