

Dimensions Math 8A									
Chapter	Chapter Name	Lesson	Lesson Name	CCSS					
1	Exponents and Scientific Notation	1	Positive Exponents and the Laws of Exponents	8.EE.1	8.EE.2				
		2	Zero and Negative Integral Exponents	8.EE.2					
		3	Fractional Exponents	8.EE.1	8.EE.2				
		4	Comparing Exponents						
		5	Scientific Notation	8.EE.3	8.EE.4				
		6	Rounding Numbers to a Specified Number of Significant Figures						
		7	Estimations and Accuracy of Calculators	8.NS.1	8.NS.2				
2	Linear Equations in Two Variables	1	Linear Equations in Two Variables	8.EE.5	8.EE.7	8.EE.7.A	8.EE.7.B		
		2	Solving Simultaneous Linear Equations in Two Variables using the Graphical Method	8.EE.5	8.EE.8	8.EE.8.A	8.EE.8.B	8.SP.3	
		3	Solving Simultaneous Linear Equations in Two Variables using the Substitution Method	8.EE.8	8.EE.8.B				
		4	Solving Simultaneous Linear Equations in Two Variables using the Elimination Method	8.EE.8	8.EE.8.B				
		5	Solving Problems using Simultaneous Equations	8.EE.8.C					
3	Expansion and Factorization of Algebraic Expressions	1	Expansion of the Products of Algebraic Expressions						
		2	Special Products of Algebraic Expressions						
		3	Factorization by using Special Products of Algebraic Expressions						
4	Quadratic Factorization and Equations	1	Factorization of $ax^2 + bx + c$						
		2	Solving Quadratic Equations by Factorization						
		3	Problem Solving Involving Quadratic Equations						
5	Simple Algebraic Fractions	1	Simplifying Simple Algebraic Fractions						
		2	Multiplication and Division of Algebraic Fractions						
		3	Addition and Subtraction of Algebraic Fractions						
		4	Fractional Equations						
		5	More about Formulas						
6	Congruence and Similarity	1	Congruence and Reflections	8.G.1.A	8.G.1.B	8.G.1.C	8.G.2	8.G.3	8.G.4
		2	Translations, Rotations, and Combining Transformations	8.G.1.A	8.G.1.B	8.G.1.C	8.G.2	8.G.3	8.G.4
		3	Similarity	8.G.3	8.G.4				
		4	Enlargements and Similarity	8.G.3	8.G.4				
7	Parallel Lines and Angles in Triangles and Polygons	1	Angles formed by Parallel Lines and Transversals	8.G.5					
		2	Interior and Exterior Angles of a Triangle	8.G.5					
		3	Angle Properties of Special Quadrilaterals						
		4	Polygons						

Dimensions Math 8B									
8	Graphs of Linear and Quadratic Functions	1	Linear Function	8.EE.5	8.EE.6	8.F.1	8.F.3	8.F.4	8.F.5
		2	Graphs of Quadratic Functions	8.F.3	8.F.5				
9	Graphs in Practical Situations	1	Tables, Charts and Graphs	8.EE.5	8.F.5				
		2	Distance-Time Graphs	8.EE.5	8.F.4	8.F.5			
10	Pythagorean Theorem	1	Pythagorean Theorem	8.G.6	8.G.7	8.G.8			
		2	The Converse of Pythagorean Theorem	8.G.6					
		3	Applications of Pythagoras Theorem	8.G.7					

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11	Coordinate Geometry	1	Distance Between Two Points					
		2	Slope of a Straight Line	8.EE.6				
		3	Equation of a Straight Line	8.EE.6				
12	Mensuration of Pyramids, Cylinders, Cones and Spheres	1	Pyramids					
		2	Cylinders	8.G.9				
		3	Cones	8.G.9				
		4	Spheres	8.G.9				
13	Data Analysis	1	Organizing Data in Frequency Tables	8.SP.4				
		2	Bar Graphs and Histograms					
		3	Line Graphs and Scatter Plots	8.SP.1	8.SP.2	8.SP.3		
14	More About Quadratic Equations	1	Solving Quadratic Equations by Factorization					
		2	Completing the Square Method					
		3	Quadratic Formula					
		4	Graphical Method					
		5	Applications of Quadratic Equations					