

Dimensions Math 7A									
Chapter	Chapter Name	Lesson	Lesson Name	CCSS					
1	Factors and Multiples	1	Factors and Multiples						
		2	Prime Factorization and Exponential Notation						
		3	Greatest Common Factor (GCF)						
		4	Least Common Multiple (LCM)						
		5	Square Roots and Cube Roots						
2	Real Numbers	1	Idea of Negative Numbers and the Number Line	7.NS.1.A					
		2	Addition and Additive Inverse	7.NS.1	7.NS.1.B	7.NS.1.C			
		3	Subtraction and Absolute Value of the Difference	7.NS.1	7.NS.1.B	7.NS.1.C			
		4	Multiplication, Division, and Combined Operations of Integers	7.NS.2.A					
		5	Rational Numbers	7.NS.1	7.NS.1.D	7.NS.2	7.NS.2.B	7.NS.2.C	7.NS.3
		6	Real Numbers and Use of Calculators	7.NS.2.D					
		7	Rounding Numbers to Decimal Places						
3	Introduction to Algebra	1	The Use of Letters in Algebra						
		2	Evaluation of Algebraic Expressions and Formulas						
		3	Writing Algebraic Expressions to Represent Real-world Situations	7.EE.3	7.EE.4	7.EE.4.A			
4	Algebraic Manipulation	1	Like Terms and Unlike Terms						
		2	Distributive Law, Addition, and Subtraction of Linear Algebraic Expressions	7.EE.1					
		3	Simplification of Linear Algebraic Expressions	7.EE.1					
		4	Factorization by Extracting Common Factors	7.EE.1					
		5	Factorization by Grouping Terms	7.EE.1					
5	Simple Equations in One Variable	1	Simple Linear Equations in One Variable	8.EE.7	8.EE.8.B				
		2	Equations Involving Parentheses	7.EE.1	8.EE.7				
		3	Simple Fractional Equations						
		4	Forming Linear Equations to Solve Problems	7.EE.2					
6	Ratio, Rate, and Speed	1	Ratios Involving Rational Numbers						
		2	Average Rate	7.RP.1					
		3	Speed	6.RP.3.D					
7	Percentage	1	Meaning of Percentage	7.RP.3					
		2	Reverse Percentages	7.RP.3					
		3	Percentage Increase and Decrease	7.RP.3					
		4	Discount and Sales Tax	7.RP.3					
8	Angles, Triangles, and Quadrilaterals	1	Points, Lines, and Planes						
		2	Angles	7.G.5					
		3	Perpendicular Bisectors and Angle Bisectors						
		4	Triangles	7.G.2					
		5	Quadrilaterals	7.G.2					

Dimensions Math 7B									
Chapter	Chapter Name	Lesson	Lesson Name	CCSS					
9	Number Patterns	1	Number Patterns and Sequences						
		2	General Term of a Sequence						
10	Coordinates and Linear Graphs	1	Cartesian Coordinate System						
		2	Linear Graphs						
		3	Slopes of Linear Graphs						
11	Inequalities	1	Solving Simple Inequalities						
		2	More Properties of Inequalities						
		3	Simple Linear Inequalities						
		4	Applications of Simple Inequalities	7.EE.4.B					
12	Perimeters and Areas of Plane Figures	1	Perimeters and Areas of a Square, a Rectangles, and a Triangle						
		2	Circumference and Area of a Circle	7.G.4					
		3	Area of a Parallelogram						
		4	Area of a Trapezoid						
		5	Perimeters and Areas of Composite Plane Figures						
13	Volumes and Surface Areas of Solids	1	Volumes and Total Surface Areas of a Cube and a Cuboid	7.G.6					
		2	Volume and Total Surface Area of a Prism	7.G.3*	7.G.6				
		3	Volumes and Surface Areas of Composite Solids						
14	Proportions	1	Scale Drawings	7.RP.3	7.G.1				
		2	Map Scale and Calculation of Area	7.RP.3					
		3	Direct Proportion	7.RP.2	7.RP.2.A	7.RP.2.B	7.RP.2.C	7.RP.2.D	7.RP.3
		4	Inverse Proportion	7.RP.2	7.RP.2.A	7.RP.2.B	7.RP.2.C	7.RP.2.D	
15	Data Handling	1	Collection of Data	7.SP.1					
		2	Dot Plots						
		3	Measure of Center: Mean	7.SP.3	7.SP.4				
		4	Measure of Center: Median	7.SP.4					
		5	Mode	7.SP.4					
16	Probability of Simple Events	1	Set Notation						
		2	The Meaning of Probability	7.SP.5	7.SP.6				
		3	Sample Space						
17	Probability of Combined Events	1	Probabilities of Simple Combined Events	7.SP.7	7.SP.7.A	7.SP.7.B	7.SP.8**	7.SP.8.A	7.SP.8.B
		2	Mutually Exclusive Events	7.SP.7.A	7.SP.8**	7.SP.8.B			
		3	Independent Events	7.SP.7.A	7.SP.7.B	7.SP.8**	7.SP.8.B		
		4	Further Probabilities	7.SP.7.A	7.SP.7.B	7.SP.8**	7.SP.8.B		

*Pyramids are not covered Textbook 7B, chapter 13.

**Simulation is not covered in Textbook 7B, Chapter 17.