			Dimensions Math 7A
Chapter	Chapter Title	Lesson	Lesson Title
1	Factors and	1	Factors and Multiples
	Multiples	1A	Factors
		1B	Multiples
	5.	2	Prime Factorization and Exponential Notation
		2A	Prime Factorization
		2B	Exponential Notation
		3	Greatest Common Factor (GCF)
		4	Least Common Multiple (LCM)
		5	Square Roots and Cube Roots
		5A	Square Roots
		5B	Cube Roots
2	Real Numbers	1	Idea of Negative Numbers and the Number Line
	The difficulty of the second	1A	Negative Numbers
		1B	The Number Line
		1C	Absolute Value
		2	Addition and AdditiveInverse
		2A	Addition of Integers
		2B	Additive Inverse
		3	Subtraction and Absolute Value of the Difference
		3A	Subtraction of Integers
		3B	Absolute Value of the Difference
		4	Multiplication, Division, and Combined Operations of Integers
		4A	Multiplication of Integers
		4B	Division of Integers
		4C	Combined Operations of Integers
		5	Rational Numbers
		5A	Definition
		5B	Addition and Subtraction of Rational Numbers
		5C	Multiplication and Division of Rational Numbers
	15	6	Real Numbers and Use of Calculators
		6A	Real Numbers
		6B	Use of Calculators
		7	
		7.	Rounding Numbers to Decimal Places
		7A	Idea of Rounding
2	Industrial Control	7B	Rounding Numbers to Decimal Places
3	Introduction to	1	The Use of Letters in Algebra
	Algebra	1A	The Use of Letters
		1B	Basic Notations in Algebra
		1C	Exponential Notation
	-	2	Evaluation of Algebraic Expressions and Formulas
		2A	Evaluation of Algebraic Expressions
		2B	Formulas
	AL I	3	Writing Algebraic Expressions to Represent Real-world Situations
4	Algebraic	1	Like Terms and UnlikeTerms
	Manipulation	2	Distributive Law, Addition, and Subtraction of Linear Algebraic Expressions
		2A	Use of Parentheses
		2B	Addition and Subtraction of Linear Algebraic Expressions
	1	3	Simplification of Linear Algebraic Expressions
	_	4	Factorization by Extracting Common Factors
		5	Factorization by Grouping Terms

Chapter	Chapter Title	Lesson	Lesson Title
5	Simple Equations in	1	Simple Linear Equations in One Variable
	One Variable	2	Equations Involving Parentheses
		3	Simple Fractional Equations
		4	Forming Linear Equations to Solve Problems
6	Ratio, Rate, and	1	Ratios Involving Rational Numbers
	Speed	1A	Meaning of Ratio
		1B	Simplification of Ratios
		1C	Ratio of Three Quantities
		1D	Problems Involving Ratios
		2	Average Rate
		3	Speed
		3A	Uniform Speed and Average Speed
		3B	Conversion of Units
7	Percentage	1	Meaning of Percentage
		1A	Introduction
		1B	Expressing One Quantity as a Percentage of Another
		2	Reverse Percentages
-		3	Percentage Increase and Decrease
		3A	Percentage Increase Percentage Increase
		3B	Percentage Decrease
		4	Discount and Sales Tax
		4A	Discount
		4B	Sales Tax
8	Angles, Triangles,	1	Points, Lines, and Planes
	and Quadrilaterals	2	Angles
		2A	Angles and Measurements
-		2B	Types of Angles
		2C	Complementary, Supplementary, and Adjacent Angles
		2D	Properties of Angles
		3	Perpendicular Bisectors and Angle Bisectors
		3A	Use of Compasses
		3B	Perpendicular Bisectors
		3C	Angle Bisectors
		4	Triangles
		4A	Classification of Triangles
		4B	Construction of Triangles
		5	Quadrilaterals
		5A	Types of Quadrilaterals
		5B	Properties of Special Quadrilaterals
		5C	Construction of Quadrilaterals

9	Number Patterns	1	Number Patterns and Sequences
		2	General Term of a Sequence
		2A	General Term
		2B	Application of Number Patterns
10	Coordinates and	1	Cartesian Coordinate System
	Linear Graphs	2	Linear Graphs
		3	Slopes of Linear Graphs
		3A	Positive Slopes
		3B	Negative Slopes
		3C	Special Cases

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B Solving an Inequality	
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2A Introduction	
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3 Sample Space	
3A Sample Space	
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Chapter	Chapter Title	Lesson	Lesson Title
17	Probability of Combined Events	1	Probabilities of Simple Combined Events
		1A	Possibility Diagram
		1B	Tree Diagram
		2	Mutually Exclusive Events
		3	Independent Events
		4	Further Probabilities

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