## CONTENTS

Acknowledgements		vii
Introd	luction	1
	Overview	2
	Conceptual Framework for Kindergarten to Grade 9 Mathematics	6
	Assessment	10
	Instructional Focus	12
	Document Organization and Format	13
Numb	er	1
	Number and Shape and Space (Measurement) – 8.N.1, 8.N.2, 8.SS.1	3
	Number-8.N.3	25
	Number-8.N.4, 8.N.5	41
	Number – 8.N.6, 8.N.8	57
	Number-8.N.7	81
Patter	Patterns and Relations	
	Patterns and Relations (Patterns)—8.PR.1	3
	Patterns and Relations (Variables and Equations)—8.PR.2	13
Shape	and Space	1
	Shape and Space (Measurement and 3-D Objects and 2-D Shapes)—8.SS.2, 8.SS.3, 8.SS.4, 8.SS.5	3
	Shape and Space (Transformations)—8.SS.6	31
Statis	tics and Probability	1
	Statistics and Probability (Data Analysis)—8.SP.1	3
	Statistics and Probability (Chance and Uncertainty)—8.SP.2	11
Biblio	graphy	1

Contents **■** 

## **Grade 8 Mathematics Blackline Masters (BLMs)**

BLM 8.N.1.1: Determining Squares

BLM 8.N.1.2: Determining Square Roots

BLM 8.N.1.3: I Have . . . , Who Has . . . ?

BLM 8.N.1.4: Pythagorean Theorem

BLM 8.N.3.1: Percent Pre-Assessment

BLM 8.N.3.2: Percent Self-Assessment

BLM 8.N.3.3: Percent Grids

BLM 8.N.3.4: Percent Scenarios

BLM 8.N.3.5: Percent Savings

BLM 8.N.3.6: Final Cost

BLM 8.N.3.7: Percent Increase and Decrease

BLM 8.N.4.1: Ratio Pre-Assessment

BLM 8.N.4.2: Meaning of  $\frac{a}{h}$ ?

BLM 8.N.4.3: Problem Solving

BLM 8.N.6.1: Mixed Numbers and Improper Fractions

BLM 8.N.6.2: Mixed Number War

BLM 8.N.6.3: Decimal Addition Wild Card

BLM 8.N.6.4: Fraction Multiplication and Division

BLM 8.N.6.5: Multiplying and Dividing Proper Fractions, Improper Fractions, and Mixed Numbers

BLM 8.N.6.6: Fraction Operations

BLM 8.N.7.1: Integer Pre-Assessment

BLM 8.N.7.2: Solving Problems with Integers (A)

BLM 8.N.7.3: Solving Problems with Integers (B)

BLM 8.N.7.4: Solving Problems with Integers (C)

BLM 8.N.7.5: Number Line Race

BLM 8.PR.1.1: Patterns Pre-Assessment

BLM 8.PR.1.2: Determine the Missing Values

BLM 8.PR.1.3: Break the Code

BLM 8.PR.1.4: Linear Relations

BLM 8.PR.1.5: Graphs

BLM 8.PR.2.1: Algebra Pre-Assessment

BLM 8.PR.2.2: Solving Equations Symbolically

BLM 8.PR.2.3: Algebra Match-up

BLM 8.PR.2.4: Analyzing Equations

BLM 8.PR.2.5: Analyzing Equations Assessment

BLM 8.PR.2.6: Solving Problems Using a Linear Equation

BLM 8.SS.2.1: Measurement Pre-Assessment

BLM 8.SS.2.2: Nets of 3-D Objects

BLM 8.SS.2.3: 3-D Objects

BLM 8.SS.2.4: Matching

BLM 8.SS.3.1: Nets

BLM 8.SS.3.2: Surface Area Problems

BLM 8.SS.4.1: Volume Problems

BLM 8.SS.6.1: Coordinate Image

BLM 8.SS.6.2: Tessellating the Plane

BLM 8.SS.6.3: Tessellation Slideshow

BLM 8.SS.6.4: Tessellation Recording Sheet

BLM 8.SS.6.5: Tessellation Transformation

BLM 8.SP.1.1: Data Analysis Pre-Assessment

BLM 8.SP.1.2: Data

BLM 8.SP.1.3: Graph Samples

BLM 8.SP.2.1: Probability Pre-Assessment

BLM 8.SP.2.2: Tree Diagram

BLM 8.SP.2.3: Table

BLM 8.SP.2.4: Probability Problems

BLM 8.SP.2.5: Probability Problem Practice

## **Grades 5 to 8 Mathematics Blackline Masters**

BLM 5-8.1: Observation Form

BLM 5-8.2: Concept Description Sheet 1

BLM 5-8.3: Concept Description Sheet 2

BLM 5-8.4: How I Worked in My Group

BLM 5-8.5: Number Cards

BLM 5-8.6: Blank Hundred Squares

BLM 5-8.7: Place-Value Chart—Whole Numbers

BLM 5-8.8: Mental Math Strategies

BLM 5-8.9: Centimetre Grid Paper

BLM 5-8.10: Base-Ten Grid Paper

BLM 5-8.11: Multiplication Table

BLM 5-8.12: Fraction Bars

BLM 5-8.13: Clock Face

BLM 5-8.14: Spinner

BLM 5-8.15: Thousand Grid

Contents **V** 

BLM 5-8.16: Place-Value Mat-Decimal Numbers

BLM 5-8.17: Number Fan

BLM 5-8.18: KWL Chart

BLM 5-8.19: Double Number Line

BLM 5-8.20: Algebra Tiles

BLM 5-8.21: Isometric Dot Paper

BLM 5-8.22: Dot Paper

BLM 5-8.23: Understanding Words Chart

BLM 5-8.24: Number Line

BLM 5–8.25: My Success with Mathematical Processes

BLM 5-8.26: Percent Circle