

# TABLE OF CONTENTS

## *Chapter I*

### Numbers and Number Sense

<b>Lesson 1</b>	Set Concepts .....	2
<b>Lesson 2</b>	The Real Number System .....	24
<b>Lesson 3</b>	Operations on Rational Numbers .....	40
<b>Lesson 4</b>	Significant Figures and Scientific Notation .....	56
<b>CHAPTER TEST</b>	.....	68
<b>PERFORMANCE TASK</b>	.....	71

## *Chapter II*

### Measurement

<b>Lesson 1</b>	Why Do We Measure? .....	74
<b>Lesson 2</b>	Measuring Length, Perimeter, Area, Time, Temperature, Weight, Angle, and Volume .....	90
<b>CHAPTER TEST</b>	.....	110
<b>PERFORMANCE TASK</b>	.....	115

## *Chapter III*

### Algebraic Expressions

<b>Lesson 1</b>	Terminologies and Concepts in Algebraic Expressions .....	118
<b>Lesson 2</b>	Evaluating Algebraic Expressions .....	132
<b>Lesson 3</b>	Addition and Subtraction of Polynomials .....	140
<b>Lesson 4</b>	Laws of Exponents .....	152
<b>Lesson 5</b>	Multiplication of Polynomials .....	166
<b>Lesson 6</b>	Division of Polynomials .....	178
<b>Lesson 7</b>	Special Products .....	188
<b>CHAPTER TEST</b>	.....	200

## Chapter IV

### Linear Equations and Inequalities in One Variable

Lesson 1	Expressions and Equations.....	206
Lesson 2	Solving Linear Equations in One Variable .....	216
Lesson 3	Linear Inequalities .....	232
Lesson 4	Word Problems .....	248
CHAPTER TEST	.....	274

## Chapter V

### Geometry

Lesson 1	Points, Lines, and Planes .....	280
Lesson 2	Angles .....	294
Lesson 3	Polygons and Quadrilaterals .....	308
Lesson 4	Circles .....	322
Lesson 5	Triangles .....	332
CHAPTER TEST	.....	342
PERFORMANCE TASK	.....	345

## Chapter VI

### Statistics and Probability

Lesson 1	Introduction to Statistics .....	348
Lesson 2	Collection and Presentation of Data .....	358
Lesson 3	Statistical Descriptions .....	377
CHAPTER TEST	.....	399
PERFORMANCE TASK	.....	403
Glossary	.....	404
Bibliography	.....	407
Photo Credits	.....	407
Index	.....	408