

Table of Contents

Introduction

Front Matter - Cover, Copyright, Credits, Contents, Dedication, Author . . .	Pages 1 - 6
Preface - Problem Classes and Solution Processes	Pages 7 - 8
Introduction - The Problem Types	Pages 9 - 16

Part One - Easier Problems - Grades 6 Through 8

Chapter 1 - Solving Pattern Recognition Problems.	Pages 17 - 28
Chapter 2 - Solving Counting Problems	Pages 29 - 38
Chapter 3 - Solving 'Word' Problems	Pages 39 - 66
Chapter 4 - Solving Optimization ProblemsPages 67 - 76
Chapter 5 - Solving Recreation Problems.	Pages 77 - 86
<i>Supplementary Skills Unit A - Constructing Graphs.</i>	<i>Pages 87 - 98</i>
<i>Supplementary Skills Unit B - A Page of Triangles.</i>	<i>Pages 99 -100</i>

Part Two - Moderate Problems - Grades 8 Through 10

Chapter 6 - Moderate Pattern Recognition Problems.	Pages 101 - 112
Chapter 7 - Moderate Counting Problems	Pages 113 - 120
Chapter 8 - Moderate 'Word' Problems	Pages 121 - 146
Chapter 9 - Moderate Optimization Problems	Pages 147 - 158
Chapter 10 - Moderate Recreation Problems.	Pages 159 - 166
<i>Supplementary Skills Unit C - Converting Units</i>	<i>Pages 167 - 176</i>
<i>Supplementary Skills Unit D - 'Per' Problems</i>	<i>Pages 177 - 184</i>

Part Three - Harder Problems - Grades 10 Through 12

Chapter 11 - Harder Pattern Recognition Problems.Pages 185 - 198
Chapter 12 - Harder Counting Problems	Pages 199 - 208
Chapter 13 - Harder 'Word' Problems	Pages 209 - 240
Chapter 14 - Harder Optimization Problems	Pages 241 - 252
Chapter 15 - Harder Recreation Problems.	Pages 253 - 266

Answers To Test Problems Pages 267 - 274

References Pages 275 - 276