

math word problems

DeMYSTiFieD

A SELF-TEACHING GUIDE



ANALYZE and SOLVE any type of algebra word problem



Covers the TEN basic types of problems found in MATH textbooks



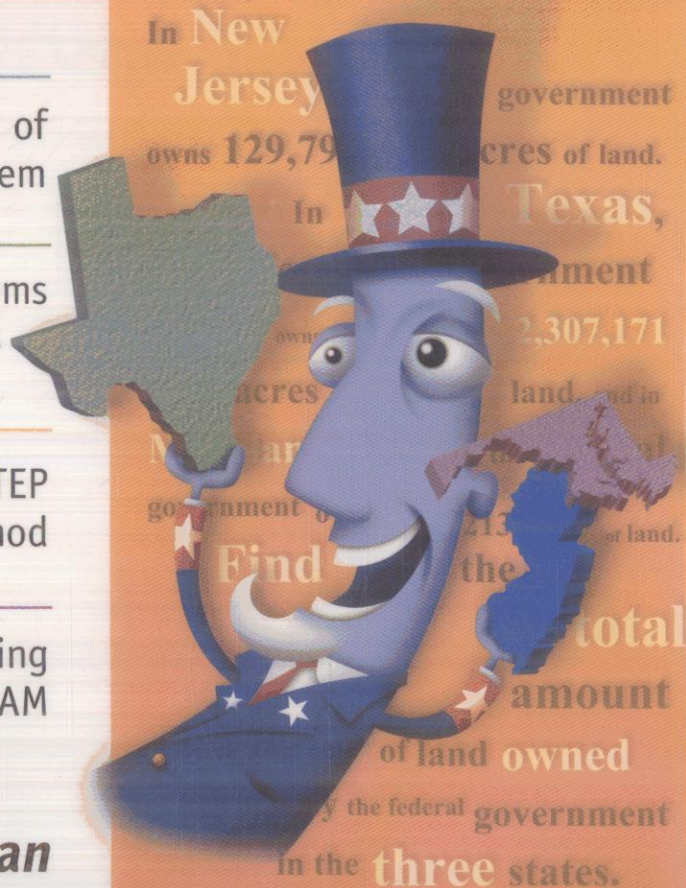
Emphasis on Polya's FOUR-STEP problem-solving method



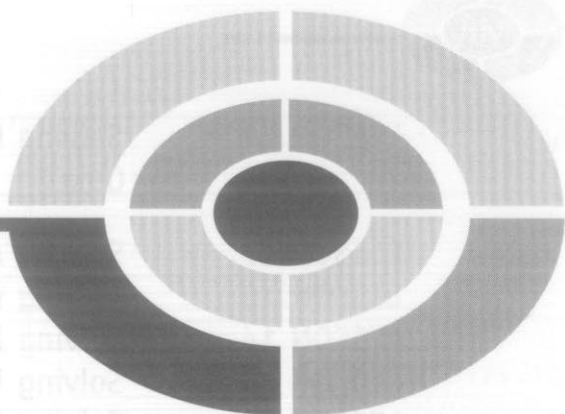
Complete with chapter-ending QUIZZES and a final EXAM

**Mc
Graw
Hill**

Allan G. Bluman



CONTENTS



	Preface	ix
LESSON 1	Introduction to Solving Word Problems	1
LESSON 2	Solving Word Problems Using Whole Numbers	6
REFRESHER I	Decimals	11
LESSON 3	Solving Word Problems Using Decimals	14
REFRESHER II	Fractions	18
LESSON 4	Solving Word Problems Using Fractions	27
	Quiz 1	31
REFRESHER III	Percents	35
LESSON 5	Solving Word Problems Using Percents	43
LESSON 6	Solving Word Problems Using Proportions	51
LESSON 7	Solving Word Problems Using Formulas	60
	Quiz 2	66
REFRESHER IV	Equations	69
LESSON 8	Algebraic Representation	82
LESSON 9	Solving Number Problems	88
LESSON 10	Solving Digit Problems	98

LESSON 11	Solving Coin Problems	108
	Quiz 3	118
LESSON 12	Solving Age Problems	121
LESSON 13	Solving Distance Problems	131
LESSON 14	Solving Mixture Problems	147
LESSON 15	Solving Finance Problems	160
LESSON 16	Solving Lever Problems	172
LESSON 17	Solving Work Problems	181
	Quiz 4	194
REFRESHER V	Systems of Equations	197
LESSON 18	Solving Word Problems Using Two Equations	207
REFRESHER VI	Quadratic Equations	226
LESSON 19	Solving Word Problems Using Quadratic Equations	232
LESSON 20	Solving Word Problems in Geometry	240
	Quiz 5	252
LESSON 21	Solving Word Problems Using Other Strategies	255
LESSON 22	Solving Word Problems in Probability	267
LESSON 23	Solving Word Problems in Statistics	276
	Quiz 6	283
	Final Exam	285
	Answers to Quizzes and Final Exam	293
	Supplement: Suggestions for Success in Mathematics	295
	Index	299