

CONTENTS

ACKNOWLEDGMENTS	ix
INTRODUCTION	xi
INTRODUCTORY LESSONS	
ONE Checking for Understanding: 8×7	1
TWO Learning the Multiplication Chart	15
THREE One Hundred Hungry Ants	23
FOUR Silent Multiplication	37
LINKING MULTIPLICATION AND GEOMETRY	
FIVE Related Rectangles	56
SIX Calculating Squares	69
SEVEN Covering Boxes	83
INVESTIGATING MULTIPLICATION NUMERICALLY	
EIGHT The Game of Target 300	92
NINE Two Ways to Count to Ten	103
TEN Matilda’s Mental Multiplication	113
SOLVING REAL-WORLD PROBLEMS	
ELEVEN Beans and Scoops	122
TWELVE French Fries	137
THIRTEEN Collecting Pennies	148

ADDITIONAL ACTIVITIES	161
Pathways	162
Times 10	164
Don't Go Over	165
Consecutive Factors	165
Investigating Elevens	166
ASSESSMENTS	169
Why Does $4 \times 3 = 3 \times 4$?	170
True or False: $\square \times \triangle = \triangle \times \square$	171
Twenty-Four Tiles	172
True or False: $\square \times 1 = \square$	173
Prove or Disprove: $0 \times \square = 0$	173
Even Times Even	174
True or False: $30 \times 6 = 6 \times 3 \times 10$	174
True or False: $400 \times 8 = 8 \times 4 \times 100$	175
Solve and Explain	176
Multiplication Stories	177
PARENT COMMUNICATION	179
BLACKLINE MASTERS	181
Multiplication Table	182
1–100 Chart	183
Centimeter Squares Grid Paper	184
Related Rectangles Assessment Grids	185
Target 300	186
One-Inch Grid Paper	187
One-Half-Inch Grid Paper	188
Dot Paper	189
Game Boards: Pathways and Times 10	190
Pathways	194
Times 10	195
INDEX	197