## CONTENTS

ACKNOWLEDGMENTS INTRODUCTION		ix
		xi
INTRODUC	TORY LESSONS	
ONE TWO THREE	Things That Come in Groups Circles and Stars Amanda Bean's Amazing Dream	1 11 23
LINKING 1	MULTIPLICATION TO REAL-WORLD CONTEXTS	
FOUR FIVE SIX	Multiplication Stories Which Has More? Billy Wins a Shopping Spree	35 48 59
INTERPRE	TING MULTIPLICATION GEOMETRICALLY	
SEVEN EIGHT NINE	Candy Boxes How Long? How Many? One Hundred Hungry Ants	66 77 88
INVESTIGA	ATING MULTIPLICATION NUMERICALLY	
TEN ELEVEN TWELVI		99 114 123

ADDITIONAL ACTIVITIES	131
How Many Were Eaten?	131
How Many Cubes?	133
Evens and Odds	135
The Biggest Garden	139
Tiles on the Countertop	142
Why Is It True?	145
Multiplication Bingo	150
ASSESSMENTS	155
What Is Multiplication?	156
Interpreting 6 × 5	157
A Multiplication Story Problem	158
Why Does $3 \times 5 = 5 \times 3$ ?	160
Which Box Holds More?	161
Solving Brandon's Problem	162
Ways to Solve 7× 6	164
What Is Multiplication? (Revisited)	165
BLACKLINE MASTERS	167
Circles and Stars Class Chart	168
Multiplication Stories	169
Which Has More Cookies?	170
Which Has More Windowpanes?	171
Which Has More Wheels?	172
Science Museum Store Price List	173
Candy Box Research	174
More Candy Box Research	175
One-Half-Inch Squares	176
How Long? How Many?	177
How Long? How Many? How Long? How Many? Record Sheet	178
How Long? How Many? Record Sheet Centimeter Squares	178 179
How Long? How Many? Record Sheet Centimeter Squares Patterns in Multiples	178 179 180
How Long? How Many? Record Sheet Centimeter Squares Patterns in Multiples 0–99 Chart	178 179 180 181
How Long? How Many? Record Sheet Centimeter Squares Patterns in Multiples	178 179 180