

CONTENTS

INTRODUCTION		ix
MULTIPLYING FRACTIONS		
ONE	Whole Number Multiplication: The Building Block	1
TWO	Introducing Multiplication of Fractions	11
THREE	Making Estimates	23
FOUR	Drawing Rectangles	33
FIVE	Multiplying Mixed Numbers	46
SIX	The Multiplying Game	57
DIVIDING FRACTIONS		
SEVEN	Whole Number Division: The Building Block	67
EIGHT	Introducing Division of Fractions	75
NINE	Division Patterns	84
TEN	The Quotient Stays the Same	97
ELEVEN	Division with Remainders	111
TWELVE	Tool Kit for Dividing Fractions	123
ASSESSMENTS		139
Halfway Between		141
Multiplying with Rectangles		143
Multiplying with and without Rectangles, Version 1		145
Multiplying with and without Rectangles, Version 2		147
Explain Your Reasoning		149

Problems with $\frac{3}{4}$ and $\frac{1}{4}$	151
Five Problems	153
An Experiment with Mice	155
Two Ways	157
BLACKLINE MASTERS	159
The Multiplying Game Record Sheet	161
The Multiplying Game	162
The Quotient Stays the Same	163
Multiplying with Rectangles	164
1-Inch Squares	165
Explain Your Reasoning	166
Problems with $\frac{3}{4}$ and $\frac{1}{4}$	167
An Experiment with Mice	168
Two Ways	169
INDEX	171