



Contents

<i>About the Authors</i>	ix
<i>Preface</i>	x
<i>Acknowledgments</i>	xii

SETTING THE STAGE

1 Setting the Stage: Attention, Mental Control, Memory, and Understanding	1
---	---

Part I MATHEMATICAL HEADWATERS 29

2 Sizing Up	33
3 The Prelude to Counting	57

Part II SPATIAL SKILLS 81

4 Visual-Spatial Skills	85
5 Spatial Skills, Math, SES, and Sex	118

Part III THE TOOLS OF NUMERACY 149

6 Number Words and Counting	153
7 Fingers	181
8 Arabic Digits and Base-10 Notation	196
9 The Number Line and Linear Measurement	219

Part IV ARITHMETIC	253
10 Whole-Number Arithmetic	257
11 Rational Numbers and Operations	288
12 Written Story Problems	330
SCREENING	
13 Early Math Screening: Spotting the Red Flags and Skill Gaps	365
<i>Index</i>	392