

Deepening Students' Mathematical Understanding with Children's Literature

Contents

Acknowledgments	V
Introduction	1
<i>Eula Ewing Monroe and Terrell A. Young</i>	
Poem: “Power of the Circle” by Black Elk	9
Chapter 1: Why Use Children's Literature in Mathematics?	11
<i>Eula Ewing Monroe and Olivia Haworth Dial, with Stevie Carr and Bree De La Mare</i>	
Poem: “Edward Lear's Elephant with Hot Dog” by J. Patrick Lewis	37
Chapter 2: Selecting a Good Book for Mathematics Instruction	39
<i>Terrell A. Young, Amy Roth McDuffie, and Barbara A. Ward</i>	
Poem: “The Geek Awakens” by Brod Bagert	61
Chapter 3: Children's Literature and the Standards for Mathematical Practice	63
<i>Eula Ewing Monroe, Stevie Carr, and Bree De La Mare</i>	
Poem: “Edgar Allan Poe's Apple Pie” by J. Patrick Lewis	91
Chapter 4: Using Children's Literature in Posing Worthwhile Mathematical Tasks ...	93
<i>Debra S. Fuentes, Stephanie Z. Smith, and Marvin E. Smith</i>	
Poem: “Robert Frost's Boxer Shorts” by J. Patrick Lewis	119
Chapter 5: Using Children's Literature to Connect Mathematics Learning to Children's Funds of Knowledge	121
<i>Amy Roth McDuffie, Barbara A. Ward, and Terrell A. Young</i>	
Poem: “ $C^2 = A^2 + B^2$ ” by Brod Bagert	137

Chapter 6: The Power of Context: Promoting Equity and Access in Mathematics	
Learning Using Children’s Literature	139
<i>Stefanie D. Livers and Karen S. Karp</i>	
Poem: “Mathematics” by Douglas Florian	167
Chapter 7: Get the Picture: Connecting Young Children to Mathematics Through	
Books	169
<i>Carrie S. Cutler</i>	
Poem: “The Joy of ‘10’” by Brod Bagert	203
Chapter 8: Reviews of a Decade of Trade Books with Mathematics Content	205
<i>Patricia J. Austin</i>	
Poem: “Emily Dickinson’s Telephone Book” by J. Patrick Lewis	231
Contributors	233
Poem: “Order of Operations, or Party Time with My Crazy Old Aunt”	
by Brod Bagert	237
Answers to the Mathematics Problems Embedded in Poems	
by J. Patrick Lewis	238
Poetry References	238