



Contents

| | |
|--|-----|
| 1 ✦ Perspectives | I |
| The Climate of European Social and Intellectual Change | I |
| The Venetian Republic and Treviso | 6 |
| <i>Welsche Praktik</i> | 10 |
| The Italian Reckoning School | 18 |
| Printing and Early Arithmetic Books | 24 |
| Some Features of the <i>Treviso</i> <i>Arithmetic</i> | 34 |
| 2 ✦ A Translation of the <i>Treviso</i> <i>Arithmetic</i> | 37 |
| Prologue | 37 |
| The Text | 40 |
| 3 ✦ An Introduction to the New Knowledge | 177 |
| “ <i>Incommica . . .</i> ” | 177 |

| | | |
|-----|--|-----|
| | Numeration | 181 |
| | Addition | 185 |
| | Subtraction | 191 |
| | Some Preliminary Impressions | 194 |
| 4 ✠ | Multiplication | 197 |
| | Multiplication by the Column | 201 |
| | Cross Multiplication | 203 |
| | Chessboard Multiplication | 205 |
| 5 ✠ | Division | 211 |
| | “ <i>Dura cosa e la partita</i> ”—division is a difficult thing | 213 |
| | Some Other Methods of Division | 218 |
| 6 ✠ | Applications: “What tools to use . . .” | 223 |
| | The Rule of Three | 224 |
| | Tare and Tret | 232 |
| | Partnership | 234 |
| | Barter | 238 |
| | Alligation | 240 |
| | The Rule of Two | 243 |
| | The Golden Number and the Full Moon | 248 |
| 7 ✠ | A Glimpse of Fifteenth- Century Life and Mathematics | 257 |
| | Trade and Industry | 257 |
| | Society | 264 |
| | Money and Finance | 269 |
| | Weights and Measures | 277 |
| | A Mathematical Testament | 281 |
| | The Merchant as an Intellectual and Scientific Innovator | 291 |
| | Some Final Thoughts | 295 |

| | |
|--|-----|
| ✦ David Eugene Smith: A Tribute | 299 |
| ✦ Bibliography of Historical References | 305 |
| ✦ General Bibliography | 309 |
| ✦ Notes | 319 |
| ✦ Index | 341 |