

# Contents

List of figures	vi
List of pictures	ix
List of tables	x
Introduction	1
0 Zero: understanding an apparently paradoxical number <i>Anne D. Cockburn and Paul Parslow-Williams</i>	7
1 Equality: getting the right balance <i>Paul Parslow-Williams and Anne D. Cockburn</i>	23
2 Beginning to unravel misconceptions <i>Sara HersHKovitz, Dina Tirosh and Pessia Tsamir</i>	39
3 Insights into children's intuitions of addition, subtraction, multiplication and division <i>Dina Tirosh, Pessia Tsamir and Sara HersHKovitz</i>	54
4 Right or wrong? Exploring misconceptions in division <i>Pessia Tsamir, Sarah HersHKovitz and Dina Tirosh</i>	71
5 Developing an understanding of children's acquisition of number concepts <i>Anne D. Cockburn</i>	86
6 Highlighting the learning processes <i>Graham Littler and Darina Jirotková</i>	101
7 Everyday numbers under a mathematical magnifying glass <i>Carlo Marchini and Paola Vighi</i>	123
Appendix	152
Index	159