(ONTENTS

Ackno Abou	leas and Tasks at a Glance owledgments the Authors luction	xi xx xxi xxii
	TER 1. RICH MATHEMATICS TASKS, ENT MISCONCEPTIONS, USING TASKS	1
CHAPT	TER 2. NUMBER SYSTEMS	15
2. 3. 4. 5. 6. 7.	Addition and Subtraction of Fractions Multiplication and Division of Fractions Reasoning About Addition and Subtraction of Fractions Reasoning About Multiplication and Division of Fractions Problem Solving With Fractions Decimals as Numbers Addition and Subtraction With Decimals Multiplication and Division With Decimals	16 25 31 37 44 52 60 68
CHAPT	TER 3. INTEGERS	75
10. 11. 12. 13. 14. 15.	Representing Integers Representing Integers on Number Lines More Representing Integers on Number Lines Comparing Integers Addition With Integers Subtraction With Integers Multiplication With Integers Division With Integers	76 83 90 98 106 114 122 130

CHAPTER 4. RATIO, PROPORTION, AND PERCENT	138
 BIG IDEAS 17. Representing Ratios 18. Equivalent Ratios 19. Unit Rates 20. Using Ratios to Solve Problems 21. Reasoning With Percents 22. Unit Rate as Slope 	139 146 155 162 170 178
CHAPTER 5. EXPRESSIONS, EQUATIONS, AND FUNCTIONS BIG IDEAS	186
 23. Writing Expressions 24. Evaluating Expressions 25. Equivalent Expressions 26. Writing Equations 27. Solving Equations 28. Inequalities 29. Function Tables 30. Reasoning About Graphing 31. Comparing Functions 32. Systems of Equations 	188 196 204 212 220 228 236 244 252 260
CHAPTER 6. GEOMETRY	268
 33. Area of Composite Figures 34. Nets and Three-Dimensional Figures 35. Surface Area and Volume 36. Volume of Cylinders and Cones 37. Angle Relationships 38. Transformations, Similarity, and Congruence 39. Distance and the Pythagorean Theorem 	269 276 284 292 298 306 314
 33. Area of Composite Figures 34. Nets and Three-Dimensional Figures 35. Surface Area and Volume 36. Volume of Cylinders and Cones 37. Angle Relationships 38. Transformations, Similarity, and Congruence 	276 284 292 298 306
 33. Area of Composite Figures 34. Nets and Three-Dimensional Figures 35. Surface Area and Volume 36. Volume of Cylinders and Cones 37. Angle Relationships 38. Transformations, Similarity, and Congruence 39. Distance and the Pythagorean Theorem 	276 284 292 298 306 314
 33. Area of Composite Figures 34. Nets and Three-Dimensional Figures 35. Surface Area and Volume 36. Volume of Cylinders and Cones 37. Angle Relationships 38. Transformations, Similarity, and Congruence 39. Distance and the Pythagorean Theorem CHAPTER 7. STATISTICS BIG IDEAS 40. Univariate Categorical Data 41. Univariate Quantitative Data 42. Displays of Univariate Quantitative Data 43. Deviations From the Mean 44. Bivariate Categorical Data 	276 284 292 298 306 314 322 323 332 340 348 356