

Table of Contents

Letter to Homeschooling Parents _____	1
Key Product Features _____	2
Suggestions on How to Use the Product _____	3
Chapter 1: Whole Numbers _____	5
Lesson 1—Place Value	6
Lesson 2—Writing and Saying Numbers	9
Lesson 3—Really Big Numbers	12
Lesson 4—Comparing Numbers	17
Lesson 5—Number Sequences	21
Lesson 6—Addition	25
Lesson 7—Subtraction	28
Chapter 1 Quiz	31
Chapter 2: Adding and Subtracting Larger Whole Numbers _____	35
Lesson 8—Long Addition	36
Lesson 9—Carrying	40
Lesson 10—Adding Strings	43
Lesson 11—Long Subtraction	47
Lesson 12—Regrouping	51
Chapter 2 Quiz	55
Chapter 3: Simple Multiplication and Division _____	59
Lesson 13—Multiplication	60
Lesson 14—Multiplying in Your Head	63
Lesson 15—Multiplying More than Two	67
Lesson 16—Division Basics	71
Lesson 17—More on Division	75
Chapter 3 Quiz	79
Chapter 4: Long Multiplication and Long Division _____	83
Lesson 18—Long Multiplication	84
Lesson 19—Multiplying with Two Digits	88
Lesson 20—Long Division	92
Lesson 21—Long Division with Remainders	96
Lesson 22—Zeros in the Quotient	100
Lesson 23—Dividing by Two Digits	104
Lesson 24—Multiplying with Three or More Digits	108

Chapter 4 Quiz	112
Chapter 5: Whole Numbers in the Real World	115
Lesson 25—Hours, Minutes, and Seconds	116
Lesson 26—Longer Periods of Time	122
Lesson 27—Do I Multiply or Divide?	127
Lesson 28—Solving Two Step Problems	132
Lesson 29—Calculating an Average	136
Lesson 30—Rounding and Estimating	140
Lesson 31—More on Long Division with Two Digits	144
Chapter 5 Quiz	148
Chapter 6: Fraction Basics	151
Lesson 32—Parts of a Whole	152
Lesson 33—More than 1 on Top	157
Lesson 34—Two Ways to Say the Same Thing	163
Lesson 35—The Law of Equivalent Fractions	168
Lesson 36—Reducing Fractions	172
Lesson 37—Comparing Fractions	176
Chapter 6 Quiz	180
Chapter 7: More on Fractions	183
Lesson 38—Mixed Numbers	184
Lesson 39—More on Mixed Numbers	190
Lesson 40—Improper Fractions	195
Lesson 41—Converting an Improper Fraction to a Mixed Number	200
Lesson 42—Ratios	204
Chapter 7 Quiz	209
Chapter 8: Working with Factors	213
Lesson 43—Finding the Factors of a Number	219
Lesson 44—Greatest Common Factor	223
Lesson 45—Reducing with the Greatest Common Factor	227
Lesson 46—Prime Numbers	231
Lesson 47—Least Common Multiple	241
Chapter 8 Quiz	235
Chapter 9: Adding and Subtracting Fractions	239
Lesson 48—Adding and Subtracting with Same Denominators	240
Lesson 49—Adding and Subtracting Mixed Numbers	244
Lesson 50—Adding and Subtracting with Different Denominators	248
Lesson 51—More than Two	252

TABLE OF CONTENTS

Lesson 52—Converting a Mixed Number to an Improper Fraction	256
Lesson 53—Putting Them All Together	261
Chapter 9 Quiz	265
Chapter 10: Multiplying and Dividing Fractions _____	269
Lesson 54—Multiplying the Tops and Bottoms	270
Lesson 55—Multiplying a Fraction and a Whole Number	275
Lesson 56—Dividing with Fractions	279
Lesson 57—More Dividing with Fractions	283
Lesson 58—Multiplying and Dividing with Mixed Numbers	287
Chapter 10 Quiz	291
Chapter 11: Fractions in the Real World _____	295
Lesson 59—Laminating a Countertop	296
Lesson 60—Model Ships	300
Lesson 61—Completing the Whole	304
Lesson 62—Planning a Wedding	309
Lesson 63—Your Weight on the Moon	313
Lesson 64—Leftover Pizza	317
Chapter 11 Quiz	321
Chapter 12: Decimal Basics _____	323
Lesson 65—Fractions and Mixed Numbers as Decimals	324
Lesson 66—Hundredths and Decimals	328
Lesson 67—Comparing Decimals	332
Lesson 68—Adding and Subtracting Decimals	336
Lesson 69—Filling in the Holes	340
Lesson 70—Multiplying with Decimals	344
Lesson 71—Getting Rid of Extra Zeros	349
Lesson 72—Putting in a Zero	354
Chapter 12 Quiz	358
Chapter 13: More on Decimals _____	361
Lesson 73—Adding or Subtracting a Decimal and Whole Number	362
Lesson 74—Multiplying a Decimal and Whole Number	367
Lesson 75—Multiplying Decimals by 10, 100, and 1,000	371
Lesson 76—Dividing a Decimal by a Whole Number	375
Lesson 77—Dividing Decimals by 10, 100, and 1,000	380
Lesson 78—Zeros in the Quotient with Decimals	384
Lesson 79—Dividing Two Decimals	388
Lesson 80—Thousandths and Decimals	394

Chapter 13 Quiz	399
Chapter 14: Decimals in the Real World	403
Lesson 81—Dollars and Cents	404
Lesson 82—Adding Money	408
Lesson 83—Matching Everything Up	413
Lesson 84—Rounding Decimals	417
Lesson 85—Comparison Shopping	422
Chapter 14 Quiz	426
Chapter 15: Percents	429
Lesson 86—How Many Out of One Hundred?	430
Lesson 87—More Percents	435
Lesson 88—Finding a Percent of a Big Number	441
Lesson 89—Writing a Percent as a Fraction	446
Lesson 90—Credit Cards	451
Chapter 15 Quiz	455
Chapter 16: Geometry	459
Lesson 91—Point, Line, and Line Segment	460
Lesson 92—Angles	466
Lesson 93—Types of Angles	471
Lesson 94—Pairs of Lines	476
Lesson 95—Polygons	483
Lesson 96—Perimeter	489
Lesson 97—Area	495
Lesson 98—Circles	502
Lesson 99—Geometric Solids	508
Chapter 16 Quiz	515
Chapter 17: Units of Measure	521
Lesson 100—Units for Length	522
Lesson 101—Units for Liquids	527
Lesson 102—Units for Weight	532
Lesson 103—Metric System—Part 1	536
Lesson 104—Metric System—Part 2	540
Lesson 105—Two Units at Once	545
Chapter 17 Quiz	550
Chapter 18: Graphing Concepts	555
Lesson 106—The Number Line	556

TABLE OF CONTENTS

Lesson 107—Measuring with a Ruler	561
Lesson 108—Negative Numbers	567
Lesson 109—Temperature on a Thermometer	572
Lesson 110—Bar Graphs and Line Graphs	577
Lesson 111—Percents and Circle Graphs	584
Chapter 18 Quiz	590
Additional Topics	595
Lesson 112—Multiplication First	596
Lesson 113—Using Parentheses	601
Lesson 114—Decimal Remainders	606
Lesson 115—Equations	611
Lesson 116—Probability	615
Additional Topics Quiz	620