

TABLE OF CONTENTS

Introduction to Exploring Creation
with Mathematics, Level 5 9

Unit 1: Whole Numbers . . . 11

Seeing Our Creator in the Details . 12

Chapter 1: Place Value
and Powers of Ten 15

Lesson 1: Place Value Review 16

Lesson 2: Order of Operations . . . 20

Lesson 3: Parentheses and
Brackets 24

Lesson 4: Powers of Ten 27

Lesson 5: Powers of Ten and
Expanded Form 31

Lesson 6: Scientific Notation 34

Lesson 7: Problem Solving
Practice #1 38

Chapter 1 Review 42

Chapter 2: Multiplication,
Factors, and Multiples 43

Lesson 8: Multiplying by
Powers of 10 44

Lesson 9: Estimating Products . . . 48

Lesson 10: Multiply by 1-Digit
Numbers 50

Lesson 11: Multiply by 2-Digit
Numbers 53

Lesson 12: Multiply by Multi-Digit
Numbers 56

Lesson 13: Multiples and
Factors 59

Lesson 14: Prime and
Composite Numbers 64

Lesson 15: Multiplication
Word Problems 70

Chapter 2 Review 74

Chapter 3: Division 75

Lesson 16: Dividing by
Powers of Ten 76

Lesson 17: Estimating
Quotients 79

Lesson 18: Divide Using
Subtraction (Day One) 83

Lesson 19: Divide Using
Subtraction (Day Two) 86

Lesson 20: Dividing by 1-Digit
Numbers in the Vertical Format . . . 89

Lesson 21: Dividing by 2-Digit
Numbers in the Vertical
Format (Day One) 94

Lesson 22: Dividing by 2-Digit
Numbers in the Vertical
Format (Day Two) 99

Lesson 23: Division Review 101

Lesson 24: Division Word
Problems 103

Chapter 3 Review 106

Unit 1 Project: Mathematical
Clue Game 107

Unit 2: Fractions 109

Seeing Our Creator in Fractions . . 110

Chapter 4: Adding and
Subtracting Fractions 111

Lesson 25: Fraction Concepts . . 112

Lesson 26: Equivalent
Fractions 116

Lesson 27: Simplifying
Fractions 120

Lesson 28: Adding Fractions
with Unlike Denominators 124

Lesson 29: Subtracting Fractions
with Unlike Denominators 129

Lesson 30: Adding and
Subtracting Fractions Practice . . 133

Lesson 31: Improper Fractions . . 135

Lesson 32: Adding and
Subtracting Mixed Numbers
(Part One) 138

Lesson 33: Adding and
Subtracting Mixed Numbers
(Part Two) 141

Lesson 34: Adding and
Subtracting Mixed Numbers
(Part Three) 146

Chapter 4 Review 149

Chapter 5: Multiplying
Fractions 151

Lesson 35: Multiplying Whole
Numbers and Fractions 152

Lesson 36: Multiplying by
Unit Fractions 157

Lesson 37: Multiplying
Fractions 161

Lesson 38: Multiplying Mixed
Numbers (Part One) 166

Lesson 39: Multiplying Mixed
Numbers (Part Two) 169

Lesson 40: Problem Solving
Practice #2 172

Chapter 5 Review 175

Chapter 6: Dividing Fractions . . . 177

Lesson 41: Reciprocals 178

Lesson 42: Dividing a Unit
Fraction by a Whole Number . . . 181

Lesson 43: Dividing a Fraction
by a Whole Number 185

Lesson 44: Dividing a Whole
Number by a Unit Fraction 188

Lesson 45: Dividing a Whole
Number by a Fraction 191

Lesson 46: Mixed Multiplication
and Division Word Problems . . . 194

Chapter 6 Review 198

Unit 2 Project: Building a
Straw Bridge 199

Unit 3: Decimals 201

Seeing Our Creator in
Decimals 202

Chapter 7: Adding and
Subtracting Decimals 203

Lesson 47: Decimals to the
Thousandths Place 204

Lesson 48: Decimals in
Expanded Form 207

Lesson 49: Compare and Order Decimals	210	Lesson 64: Dividing Decimals by Whole Numbers	265
Lesson 50: Rounding and Estimating Decimals	214	Lesson 65: Dividing Decimals (Part One)	268
Lesson 51: Adding and Subtracting Decimals	218	Lesson 66: Dividing Decimals (Part Two)	271
Lesson 52: Adding and Subtracting Decimals Additional Practice	222	Lesson 67: Decimal Word Problems	274
Lesson 53: Problem Solving Practice #3	225	Chapter 9 Review	278
Chapter 7 Review	228	Unit 3 Project: Bubbling Balloons	279
 Chapter 8: Multiplying Decimals	 229	 Unit 4: Geometry and Measurement.	 283
Lesson 54: Multiplying Decimals by Tens	230	Seeing Our Creator in Geometry	284
Lesson 55: Multiplying Whole Numbers by 0.1 and 0.01	233	Chapter 10: Geometry	285
Lesson 56: Multiplying Decimals by Whole Numbers	236	Lesson 68: Area Review	286
Lesson 57: Multiplying Using an Area Model	240	Lesson 69: Find Volume Using Unit Cubes	289
Lesson 58: Multiply Decimals (Part One)	244	Lesson 70: Volume of Rectangular Prisms	292
Lesson 59: Multiply Decimals (Part Two)	248	Lesson 71: Volume Formula for Rectangular Prisms	294
Lesson 60: Field Trip Lunch	250	Lesson 72: Volume of Composite Figures	297
Chapter 8 Review	252	Lesson 73: Polygons	301
 Chapter 9: Dividing Decimals	 253	Lesson 74: Triangles	304
Lesson 61: Divide Decimals by Tens	254	Lesson 75: Quadrilaterals	307
Lesson 62: Estimating Decimal Division	257	Chapter 10 Review	310
Lesson 63: Dividing Whole Numbers	260	 Chapter 11: Conversions	 311
		Lesson 76: Elapsed Time	312
		Lesson 77: Converting Time	315

Lesson 78: Converting Metric Lengths	319
Lesson 79: Metric Capacity and Weight	323
Lesson 80: Customary Length . .	327
Lesson 81: Customary Volume and Weight	330
Lesson 82: Two-Step Conversions.	334
Lesson 83: Problem Solving Practice #4	337
Chapter 11 Review.	341
Unit 4 Project: Build a Balloon Car	342

Unit 5: Percents. 345

Seeing Our Creator in Percents . .	346
Chapter 12: Introduction to Percents.	347
Lesson 84: Percents in the World	348
Lesson 85: Picturing Percents. . .	352
Lesson 86: Percents on a Number Line	356
Lesson 87: Percent to Fraction . .	360
Lesson 88: Percent to Decimal . .	363
Lesson 89: Fractions, Decimals, and Percents	366
Lesson 90: Compare and Order Percents.	369
Lesson 91: Percents Mini-Project	371
Chapter 12 Review.	374

Chapter 13: Percent Operations	375
Lesson 92: Finding a Percent (Using Fractions)	376
Lesson 93: Finding a Percent (Using Decimals)	379
Lesson 94: Percent of a Number (Part One)	382
Lesson 95: Percent of a Number (Part Two)	386
Lesson 96: Circle Graphs	389
Lesson 97: Creating a Circle Graph	392
Lesson 98: Problem Solving Practice #5	394
Chapter 13 Review.	398
Unit 5 Project: Managing a Million	399

Unit 6: Graphing. 401

Seeing Our Creator in Data	402
Chapter 14: Data and Graphs . . .	403
Lesson 99: Data and Tables	404
Lesson 100: Picture Graphs and Bar Graphs	409
Lesson 101: Averages Graphically.	414
Lesson 102: Averages Algebraically	417
Lesson 103: Create Line Plots	420
Lesson 104: Analyze Line Plots	422
Lesson 105: Averages on Data Displays	425

Lesson 106: Create Line Graphs	430
Lesson 107: Analyze Line Graphs	432
Lesson 108: Wolf Data	437
Lesson 109: Problem Solving Poster	439
Chapter 14 Review	442
 Chapter 15: Graphing on the Coordinate Plane	 443
Lesson 110: Number Lines	444
Lesson 111: Mapping on a Grid	447
Lesson 112: The Coordinate Plane	448
Lesson 113: Points on the Coordinate Plane (Part One)	451
Lesson 114: Points on the Coordinate Plane (Part Two)	454
Lesson 115: Graphing Practice	456
Lesson 116: Coordinate Graph Tic-Tac-Toe	458
Chapter 15 Review	460
Unit 6 Project: Favorite Animal Data Poster	461
 Congratulations!	 463