
Mathematics Foundations: Well-Trained Mind Academy Edition Semester 1

Contents

Introduction	7
Three-Digit Numbers	9
Thousands 1	10
Four-Digit Numbers and Place Value	13
Thousands 2	14
More Thousands	16
Place Value with Thousands	17
Comparing with Thousands	18
Rounding and Estimating Large Numbers	19
Multiples of 10, 100, and 1,000	21
A Little Bit of Millions	22
Place Value up to Billions	23
Adding and Subtracting Large Numbers	26
Division and Multiplication	27
Addition Review	29
Subtraction Review	31
Understanding Multiplication	33
Multiplication Tables Review	35
Scales Problems	36
Multiply in Parts 1	37
Multiplying Two-Digit Numbers in Parts	39
The Standard Multiplication Algorithm with a Two-Digit Multiplier	41
Long Division 1	43
Long Division 3	44
Long Division	45
A Two-Digit Divisor 1	46
A Two-Digit Divisor 2	47
Equivalent Fractions 1	48

Simplifying Fractions 1	50
Finding the (Least) Common Denominator	54
Adding Fractions and Mixed Numbers 1	57
Comparing Fractions	60
Add and Subtract: More Practice	61
Decimal Numbers—Tenths	64
Two Decimal Digits—Hundredths	66
More Decimals: Thousandths	70
Place Value with Decimals	73
Comparing Decimals	75
Adding and Subtracting with Tenths 1	76
Add and Subtract Decimals 1	77
Add and Subtract Decimals 2	79
Rounding Decimals	80
Integers 1	82
Addition and Subtractions as Movements	85
Geometric Patterns	87
Patterns and Mental Math	89
Patterns in Pascal's Triangle	91
A Little Bit of Problem Solving	93
Addition and Subtraction as Movements, Again	94
Subtracting a Negative Integer	95
Add and Subtract Roundup	97
Order of Operations and Equations 1	98
Review: Addition and Subtraction	100
Review: Multiplication and Division	102
Terminology for the Four Operations	106
Expressions	110
Average (Mean)	113
Mean, Mode and Bar Graphs	116
Mean, Median, and Mode	118
Using Mean, Median, and Mode	119
Order of Operations 1	121
Order of Operations 2	122
Order of Operations 3	123
Order of Operations 4	124

Order of Operations Again	125
Order of Operations and Division	126
Order of Operations and Equations 2	127
Prime Numbers	128
Review: Factors and Primes 1	131
Review of Division	132
Division Terms and Division with Zero	133
Rounding 1	135
Fraction Terminology	137
Review: Add and Subtract Fractions and Mixed Numbers 1	138
Add and Subtract Fractions: More Practice	139
Mixed Numbers	140
Fractions and Decimals	144
Rational Numbers 1	146
Adding and Subtracting with Tenths 2	147
Adding and Subtracting Hundredths	148
Adding and Subtracting Decimals in Columns	149
Add and Subtract Decimals 3	150
Percent 1	151
Percentage of a Number: Using Decimals	154
Rational Numbers 2	156
Adding and Subtracting Rational Numbers	160
Square Roots	162
Perimeter	166
Problems with Perimeter	168
Getting Started with Area	170
More about Area	172
The Order of Operations 5	174
Review: Factors and Primes 2	177
Prime Factorization	178
Simplifying Fractions 2.....	183
Simplifying Before Multiplying	187

Using Factoring When Simplifying Fractions	189
The Greatest Common Factor (GCF)	192
The Least Common Multiple (LCM)	195
Adding and Subtracting Unlike Fractions	198
Review: Add and Subtract Fractions and Mixed Numbers 2	200
Equivalent Fractions 2	201
Volume	203
Volume of Rectangular Prisms (Cuboids)	208
Percent 2	212
What Percentage ...?	213
Adding Integers: Counters	215
Adding or Subtracting Several Integers	218
Multiplying Integers	220
Dividing Integers	225
Exponents and Powers	227
Powers and Exponents	230
The Order of Operations 6	233
Coordinate Grid Practice	237
Integers 2.....	238
Distance and More Practice	240