

Grade 3 Math – Table of Contents

UNIT 1: Operations & Algebraic Thinking – Multiplication

Section A: Multiplication Concepts & Facts

Lesson 1: Introduction to Multiplication	1
Lesson 2: Understand Equal Groups	5
Lesson 3: Relate Addition to Multiplication	9
Lesson 4: Multiply with 0 and 1	13
Lesson 5: Multiply with 2s	17
Lesson 6: Multiply with 5s	21
Lesson 7: Multiply with 10s	25
Lesson 8: Multiply with 3s	29
Lesson 9: Multiply with 4s	33
Lesson 10: Multiply with 6s	37
Lesson 11: Multiply with 7s	41
Lesson 12: Multiply with 8s	45
Lesson 13: Multiply with 9s	49
Lesson 14: Multiplication Facts Fluency	53
Lesson 15: Review – Multiplication Concepts	57
Lesson 16: Section A Quiz	

Section B: Models & Problem Solving

Lesson 17: Use Arrays to Model Multiplication	61
Lesson 18: Use Number Lines to Model Multiplication	65
Lesson 19: Word Problems with Multiplication	69
Lesson 20: Two-Step Multiplication Word Problems	73
Lesson 21: Unit 1 Review	77
Lesson 22: Unit 1 Test	

UNIT 2: Division & Relationships

Section A: Division Concepts

Lesson 23: Introduction to Division	81
Lesson 24: Division as Sharing and Repeated Subtraction	85
Lesson 25: Use Arrays to Model Division	89
Lesson 26: Divide by 0 and 1	93
Lesson 27: Divide by 2s, 5s, and 10s	97
Lesson 28: Divide by 3s and 4s	101
Lesson 29: Divide by 6–9	105
Lesson 30: Relate Multiplication and Division	109
Lesson 31: Inverse Relationships	113
Lesson 32: Fact Families	117
 Lesson 33: Review – Division Concepts	 121
Lesson 34: Section A Quiz	

Section B: Applications & Fluency

Lesson 35: Word Problems with Division	125
Lesson 36: Solve for the Unknown	129
Lesson 37: Use a Letter to Represent Unknown	133
Lesson 38: Patterns in Multiplication Tables	137
Lesson 39: Multiply and Divide: Mixed Practice	141
Lesson 40: Fluency Check: Multiplication	145
Lesson 41: Fluency Check: Division	149
Lesson 42: Real-World Application Problems	153
Lesson 43: Use Order of Operations (Intro)	157
Lesson 44: Mixed Practice: Multi-Step Problems	161
Lesson 45: Real-Life Application Problems	165
 Lesson 46: Unit 2 Project	 169
Lesson 47: Unit 2 Spiral Review	171
Lesson 48: Unit 2 Test	

UNIT 3: Number & Operations in Base Ten

Section A: Place Value & Addition

Lesson 49: Place Value to 1,000	175
Lesson 50: Identify Hundreds, Tens, and Ones	179
Lesson 51: Expanded, Standard, and Word Form	183
Lesson 52: Compare 3-Digit Numbers .	187
Lesson 53: Order 3-Digit Numbers	191
Lesson 54: Round to the Nearest 10	195
Lesson 55: Round to the Nearest 100	199
Lesson 56: Estimate Sums and Differences	203
Lesson 57: Multiply by Multiples of 10	207
Lesson 58: Add Without Regrouping	211
Lesson 59: Add With Regrouping	215
Lesson 60: Review – Place Value & Addition	219
Lesson 61: Section A Quiz	

Section B: Subtraction & Problem Solving

Lesson 62: Subtract Without Regrouping	223
Lesson 63: Subtract With Regrouping	227
Lesson 64: Use Place Value Strategies	231
Lesson 65: Mental Math	235
Lesson 66: Word Problems – Addition & Subtraction	239
Lesson 67: Multi-Step Word Problems	243
Lesson 68: Compose and Decompose Numbers	247
Lesson 69: Practice Algorithms	251
Lesson 70: Real-Life Application Problems	255
Lesson 71: Patterns in Operations	259
Lesson 72: Explain Math Reasoning	263
Lesson 73: Unit 3 Project	267
Lesson 74: Unit 3 Spiral Review	269
Lesson 75: Unit 3 Test	

UNIT 4: Fractions

Section A: Fraction Concepts

Lesson 76: Understand Fractions as Equal Parts	273
Lesson 77: Represent Fractions with Models	277
Lesson 78: Number Line with Fractions	281
Lesson 79: Identify Fractions of a Whole	285

Lesson 80: Numerator and Denominator	289
Lesson 81: Equivalent Fractions	293
Lesson 82: Compare Fractions (Same Denominator)	297
Lesson 83: Compare Fractions (Same Numerator)	301
Lesson 84: Use $<$, $>$, $=$ with Fractions	305
Lesson 85: Order Fractions	309
 Lesson 86: Review – Fraction Concepts	 313
Lesson 87: Section A Quiz	

Section B: Fraction Applications

Lesson 88: Fractions in Word Problems	317
Lesson 89: Unit Fractions	321
Lesson 90: Match Fractions with Pictures	325
Lesson 91: Fractions in Everyday Life	329
Lesson 92: Draw Fraction Models	333
Lesson 93: Use Manipulatives	337
 Lesson 94: Unit 4 Project	 341
Lesson 95: Unit 4 Spiral Review	343
Lesson 96: Unit 4 Test	

UNIT 5: Measurement, Data & Geometry

Section A: Measurement & Data

Lesson 97: Measure Using Inches	347
Lesson 98: Measure Using Centimeters	351
Lesson 99: Estimate Length	355
Lesson 100: Measure with Yard and Meter	359
Lesson 101: Add and Subtract Lengths	363
Lesson 102: Word Problems – Length	367
Lesson 103: Time to the Nearest Minute	371
Lesson 104: AM and PM	375
Lesson 105: Word Problems – Time	379
Lesson 106: Elapsed Time	383
Lesson 107: Mass and Volume	387
Lesson 108: Use Measuring Tools	391
Lesson 109: Line Plots	395
Lesson 110: Analyze Line Plots	399

Lesson 111: Review – Measurement & Data	403
Lesson 112: Section A Quiz	

Section B: Geometry & Graphing

Lesson 113: Graphs	407
Lesson 114: Interpret Graphs	411
Lesson 115: Shapes	415
Lesson 116: Attributes of Shapes	419
Lesson 117: Perimeter	423
Lesson 118: Area	427
Lesson 119: Area Models	431
Lesson 120: Fractions of Shapes	435
Lesson 121: Unit 5 Project	435
Lesson 122: Review – Geometry & Measurement	437
Lesson 123: Unit 5 Test	