Exercises Workbook

Contents

#	Торіс			
	Introduction			
	How to Use this Workbook			
1.	Individual Times Tables	1		
A.	2, 5, 10, 11	3		
	• 2	5		
	• Multiplication	7		
	 Long Division 	8		
	• Creating Equivalent Fractions	9		
	 Reducing Fractions to Lowest Terms 	10		
	• Raising a Power to a Power	11		
	 Factoring Quadratic Equations 	12		
	 Simplifying Radicals 	13		
	• 5	15		
	• Multiplication	17		
	 Long Division 	18		
	 Creating Equivalent Fractions 	19		
	 Reducing Fractions to Lowest Terms 	20		
	• Raising a Power to a Power	21		
	 Factoring Quadratic Equations 	22		
	 Simplifying Radicals 	23		
	• 10	25		
	• Multiplication	27		
	 Long Division 	28		
	 Creating Equivalent Fractions 	29		
	 Reducing Fractions to Lowest Terms 	30		
	• Raising a Power to a Power	31		
	 Factoring Quadratic Equations 	32		
	 Simplifying Radicals 	33		
	• 11	35		
	• Multiplication	37		
	 Long Division 	38		
	 Creating Equivalent Fractions 	39		
	 Reducing Fractions to Lowest Terms 	40		
	• Raising a Power to a Power	41		
	 Factoring Quadratic Equations 	42		
	 Simplifying Radicals 	43		
	• 2, 5, 10, 11	45		
	• Multiplication	47		
	 Long Division 	49		
	• Raising a Power to a Power	51		
	 Factoring Quadratic Equations 	53		
	 Simplifying Radicals 	55		

Exercises Workbook

Contents

#	Торіс	Page
B.	3, 6, 9	59
	• 3	61
	• Multiplication	63
	 Long Division 	64
	 Creating Equivalent Fractions 	65
	 Reducing Fractions to Lowest Terms 	66
	• Raising a Power to a Power	67
	 Factoring Quadratic Equations 	68
	 Simplifying Radicals 	69
	• 6	71
	• Multiplication	73
	 Long Division 	74
	 Creating Equivalent Fractions 	75
	• Reducing Fractions to Lowest Terms	76
	• Raising a Power to a Power	77
	• Factoring Quadratic Equations	78
	 Simplifying Radicals 	79
	• 9	81
	• Multiplication	83
	 Long Division 	84
	 Creating Equivalent Fractions 	85
	 Reducing Fractions to Lowest Terms 	86
	• Raising a Power to a Power	87
	 Factoring Quadratic Equations 	88
	 Simplifying Radicals 	89
	o 3, 6, 9	91
	• Multiplication	93
	 Long Division 	95
	• Raising a Power to a Power	97
	 Factoring Quadratic Equations 	99
	 Simplifying Radicals 	100
C.	4,8	103
	• 4	105
	• Multiplication	107
	 Long Division 	108
	 Creating Equivalent Fractions 	109
	 Reducing Fractions to Lowest Terms 	110
	• Raising a Power to a Power	111
	 Factoring Quadratic Equations 	112
	 Simplifying Radicals 	113

Exercises Workbook

Contents

#	Торіс	Page
	• 8	115
	• Multiplication	117
	• Long Division	118
	• Creating Equivalent Fractions	119
	 Reducing Fractions to Lowest Terms 	120
	• Raising a Power to a Power	121
	 Factoring Quadratic Equations 	122
	• 4,8	123
	• Multiplication	125
	 Long Division 	127
	• Raising a Power to a Power	129
	• Factoring Quadratic Equations	131
D.	7, 12	133
	• 7	135
	• Multiplication	137
	• Long Division	138
	• Creating Equivalent Fractions	139
	 Reducing Fractions to Lowest Terms 	140
	• Raising a Power to a Power	141
	 Factoring Quadratic Equations 	142
	 Simplifying Radicals 	143
	• 12	145
	• Multiplication	147
	 Long Division 	148
	 Creating Equivalent Fractions 	149
	 Reducing Fractions to Lowest Terms 	150
	• Raising a Power to a Power	151
	 Factoring Quadratic Equations 	152
	• 7,12	153
	Multiplication	155
	Long Division	157
	Raising a Power to a Power	159
	Factoring Quadratic Equations	161
2.	Collective Times Tables	163
	Long Multiplication	165
	Long Division	169
	Multiplying Fractions with Cross-Cancelling	175
	Reducing Fractions to Lowest Terms	177
	Raising a Power to a Power	180
	Factoring Quadratic Equations	182
	Simplifying Radicals	184
	Solving Pythagorean Triples	189

Exercises Workbook

Contents

#	Торіс		Page
3.	Answers to Exercises		
4.	Appendices		277
	Appendix A	Multiplication Tables	279
	Appendix B	Multiples and Factors	281
	Appendix C	Multiplication	293
	Appendix D	Long Division	395
	Appendix E	Properties of Exponents	397
	Appendix F	Raising a Power to a Power	299
	Appendix G	Factoring Quadratic Equations	301
	Appendix H	Perfect Squares and Square Roots	303
	Appendix I	Square Roots of Numbers $(1 - 25)$	305
	Appendix J	Simplifying Radicals (Individual Times Tables)	307
	Appendix K	Rules of Divisibility	309
	Appendix L	Multiplying Fractions with Cross-Cancelling	311
	Appendix M	Reducing Fractions to Lowest Terms	317
	Appendix N	Simplifying Radicals (Collective Times Tables)	321
	Appendix O	Solving Pythagorean Triples	327
	Appendix P	Suggested Study Schedule	331