Contents

Section I

	Overview	5
1.	Multiplication and Division Fact Families	6
2.	Multiplying by 10, 100 or 1000	10
3.	Multiplication Facts to 81	14
4.	Division Facts to 81	18
5.	Multiplying 2-digit Numbers by 1-digit Numbers	22
6.	Multiplying 3-digit Numbers by 1-digit Numbers	26
7.	Multiplying 2-digit Numbers by 2-digit Numbers	30
8.	More Multiplying and Multiples	34
	Midway Review	38
9.	Dividing Multiples of 10, 100 or 1000	42
10.	Dividing 2-digit Numbers with No Remainders	46
11.	Dividing 3-digit Numbers with No Remainders	50
12.	Dividing 2-digit Numbers with Remainders	54
13.	Dividing 3-digit Numbers with Remainders	58
14.	Zeros in the Quotient	62
15.	Dividing 4-digit Numbers	66
16.	More Multiplying and Dividing	70
	Final Review	74

Section II

	Overview	79
	Review	80
1.	Numbers to 10 000	84
2.	Addition and Subtraction	88
3.	Multiplication	92
4.	Division I	96
5.	Division II	100
6.	Fractions	104
7.	Decimals	108
	Progress Test	112
8.	Geometry I	116
9.	Units of Measure	120
10.	Perimeter and Area	124
11.	Capacity, Volume and Mass	128
12.	Geometry II	132
13.	Patterns and Simple Equations	136
14.	Graphs and Probability	140
	Final Test	144

Section III

Overview 151
1. Numeration 152
2. Addition and Subtraction of Whole Numbers 154
3. Multiplication and Division of Whole Numbers 158
4. Mixed Operations of Whole Numbers 162
5. Averages 166
6. Fractions 168
Midway Review 172
7. Introduction to Decimals 176
8. Addition and Subtraction of Decimals 180
9. Relationship between Fractions and Decimals 184
10. Patterns 188
11. Equations 192
Final Review 196

Section IV

Overview 201
1. Length 202
2. Time 204
3. Operations with Money 206
4. Area and Perimeter 210
5. Capacity, Volume and Mass 216
6. Two- and Three-Dimensional Figures 220
Midway Review 224
7. Angles 228
8. Transformations 230
9. Coordinate Systems 234
10. Probability 238
11. Pictographs and Bar Graphs 242
Final Review 246

Parents' Guide 251
Answers 255

UNIT 3

Operations with Money

EXAMPLE

Mrs Collins paid for some groceries with 3 ten-dollar bills, 4 toonies, 1 loonie, 3 quarters, 2 dimes, 1 nickel and 4 pennies. How much did the groceries cost?

No. of dollars : $10 \times 3 + 2 \times 4 + 1 \times 1 = 39$

No. of cents : $25 \times 3 + 10 \times 2 + 5 \times 1 + 1 \times 4 = 104$

Total cost : $39 + 1.04 = 40.04$

Answer : The groceries cost $40.04.

Solve the problems. Show your work.

Irene and Alan were helping their teacher count the money for the class book orders.

① Janice's order had 1 loonie, 1 quarter and 2 dimes. Which book did she order?

Answer : She ordered _____.

② Paul's order had 2 five-dollar bills, 1 quarter and 2 dimes. Which book did he order?

Answer : _____

③ Gary paid with 1 five-dollar bill, 1 toonie and 5 dimes. Which book did he order?

Answer : _____

④ Jessie paid with 2 toonies, 3 quarters, 2 dimes and 4 pennies. Which book did she order?

Answer : _____

⑤ Liam's order had 1 ten-dollar bill, 1 toonie, 1 loonie and 4 nickels. Which book did he order?

Answer : _____

⑥ Joan's order had 2 toonies, 1 loonie and 1 quarter. Which book did she order?

Answer : _____

⑦ Leslie paid with 1 ten-dollar bill, 3 loonies, 3 quarters, 1 dime and 2 pennies. What was his order?

Answer : _____

⑧ Brian paid with 2 five-dollar bills, 1 toonie, 3 dimes, 1 nickel and 1 penny. What was his order?

Answer : _____

Fill in the blanks.

The following students ordered several books each. Show how they paid with the smallest number of bills and coins.

	Name	Order	Bill			Coin					
			$20	$10	$5	$2	$1	25¢	10¢	5¢	1¢
⑨	Barry	$20.34	1								
⑩	Wendy	$18.17									
⑪	Ash	$12.73									
⑫	Rica	$8.48									
⑬	Tara	$11.36									
⑭	Kaitlin	$32.40									
⑮	Justin	$41.70									

Solve the problems. Show your work.

Irene and Alan helped their teacher give change to their classmates. Calculate how much change each person received and write the smallest number of bills and coins for the change.

⑯ Peter's books cost $5.73 and he gave a ten-dollar bill.

Answer : _____

⑰ Jackie's books cost $11.35 and she gave $15.00.

Answer : _____

⑱ Lillian's books cost $18.43 and she gave a $20 bill.

Answer : _____

⑲ Ryan's books cost $22.14 and he gave $23.00.

Answer : _____

⑳ James gave $30.00 for his books that cost $21.15.

Answer : _____

㉑ Lisa gave a $20 bill for her books that cost $12.88.

Answer : _____

㉒ Randy gave $10.00 for his books that cost $4.71.

Answer : _____

㉓ Tony gave $15.00 for his books that cost $13.82.

Answer : _____

Another book fair was held in Birchway Public School. The students could buy books, posters and stationery there.

㉔ Steven bought 2 comic books. Each book cost $1.47. How much did he pay?

Answer : _____

㉕ Mimi bought a book for $3.99 and a poster for $1.25. How much did she pay?

Answer : _____

㉖ Delia bought 3 books. They cost $2.75, $3.99 and $4.16. How much did she pay?

Answer : _____

㉗ Mandy bought 3 posters that were $2.60 each. How much did she pay?

Answer : _____

㉘ Jasmine bought 2 books that cost $3.74 and $4.19. She also bought a bookmark for $0.81. How much did she pay?

Answer : _____

㉙ John bought a big dictionary for $21.32 and a poster for $2.60. How much did he pay?

Answer : _____

㉚ Mike bought 3 books. They cost $5.72, $3.69 and $2.15. He also bought a rollerball pen for $4.30. He received $0.14 change. How much did he give the cashier?

Answer : _____

CHALLENGE

Jennie has $25.00. She wants to buy some posters that are $2.25 each. How many can she buy? Show your thinking.

Answer : _____