

New Elementary Mathematics 1

(Updated 6/5/2013)

Textbook

Page				Printing
14	Lesson 1.5		In Method 2 for extracting the common prime factors of 60 and 96, the number below the 96 should read 48 rather than 34.	1999
25	Exercise 1.8	5(h)	A simpler solution is $48 \times 2^{4-n}$ or $3 \times 2^{8-n}$. This problem, however, is not appropriate for this level.	1999
41	Exercise 2.2	6(c) 6(e)	Omit. Solutions involve negative numbers or using the distributive property for -1 and rearranging.	1999
45	Exercise 2.3	6(f)	Omit. Solution involves negative numbers, which haven't been presented yet.	1999
62	Exercise 2.6	8(d)	Omit. Solution involves negative numbers, which haven't been presented yet.	1999
169	Challenger 6	5.	"If she had spent the same amount of money for each type, she would have bought 2 more cans of drinks for the same total amount of money. "	1999
172	Lesson 7.1		Rate Example (b) should have a 3 in the denominator of the fraction. He is paid at the rate of $\frac{\$36}{3}$ per hour or \$12/h.	1999
206	Misc. Ex. 2	14	Omit. Insufficient information.	1999
327	Misc. Ex. 3	12(a)	Omit. Insufficient information.	1999
380	Exercise 14.1	6(b)	Change the top angle on the figure on the left to 120° .	1999
381	Exercise 14.1	6(c)	Change the angle on the figure on the right to 23° .	1999
401	Revision 4C	9	This problem inappropriate for this level since the solution involves use of the Pythagorean theorem.	1999
403	Misc. Ex. 4	13(a)(ii)	Inappropriate. Solution involves Pythagorean Theorem which hasn't been taught yet.	1999
409	Ass. 1, Paper II	2(b)	The solutions in the text are for a sum of 23 along the side, not 21.	1999
412	Ass. 2, Paper I	2(b)	The answer in the text are for 2 pumps working. The answer for 2 pumps not working is 20 h.	1999
	Answers			
418	Exercise 1.4	4(b)	113	1999
424	Exercise 4.3	9(d)	8,231,953	1999
436	Exercise 12.3	19	2 : 3	1999
438	Revision 4C	1(a)	31.5 cm^2	1999
439	Ass. 2 Paper 1	2(b)	29 h (30 h for 2 pumps working)	1999

Workbook

Page				Printing
3	Chapter 2	3	Involves negative numbers. Do after ch. 4.	2005
19	Chapter 4	19(a)	Inappropriate - negative indices haven't been taught yet.	2005
22	Test Paper 2	1(a)	Change $83 \times 10^{-1} \text{ g}$ to 0.83 g or $8.3 \times 10^{-1} \text{ g}$.	2005
62	Chapter 8	10.	Change last sentence to: Find the price at which the company bought the watch."	2005
80	Chapter 10	1(c)	Omit. Poor problem since answer is repeating decimal. Answer is $12 \frac{6}{7}$	2005
112	Test Paper 6	3.(a)	Inappropriate - need Pythagoras' Theorem to find perimeter.	2005
120	Chapter 14	16.(b)	Inappropriate - requires trigonometric functions	2005
Answers				
139	Chapter 1	14(d)	241	2005
144	Chapter 7	34	3 h 36 min	2007
151	Chapter 13	15.	2657.92	

Teacher's Manual

Page				Printing
7	Class Activity 2	13	456	2005
14	Challenger 2	2(c)	3994	2005
14	Challenger 2	4(b)	$\frac{13}{66}$	2005
22	Challenger 9	1(a)	Draw $PG = a$, $QR = c$, $RS = b$, PS is the required line segment.	2005
29	Challenger 13	1	13440 m^3	

Solutions Manual

Page				Printing
50	Revision Ex. 1	5(a)	$\left(-\frac{1}{4}\right) + \frac{1}{4} + \left(\frac{5}{-21} \times \frac{42}{\square}\right) = 1$ $\frac{5}{-21} \times \frac{42}{\square} = 1$ $-\frac{5}{3 \times 7} \times \frac{7 \times 3 \times 2}{\square} = 1$ $-\frac{5}{1} \times \frac{2}{\square} = 1$ $-\frac{2}{\square} = \frac{1}{5}$ $\square = -10$	2007
51	Revision Ex. 1	8	$\frac{596}{0.202} = \frac{5.96 \times 100}{2.02 \times 0.1} = \frac{5.96}{2.02} \times 1000 \approx 3 \times 1000 = 3000$	2007
73	Exercise 6.1	6.(f)	No solution. Value for x is not an integer.	2007

94	Exercise 7.2	2(d)	$\frac{40 \text{ cm}^2}{1 \text{ m}^2} = \frac{40 \text{ cm}^2}{10,000 \text{ cm}^2} = \frac{1}{250} = 1:250$	2007