

Errata

Modular Mathematics Intermediate GCSE for AQA

Brian Gaulter and Clive Simpson

ISBN 0 19 914812 0

- Page 54: angles on pie chart should be Electricity 190° , Solid fuel 120° , Gas 50°
 Page 83, graph: dotted line for upper quartile should be at 72, lower quartile at 24
 Page 83, last line: for '167' read '166'
 Page 84, Example 3, solution part (a): for '167' read '166', and for '17' read '16'
 Page 84, Example 3, solution part (b): for '17' read '16'
 Page 85, diagram: RHS of box should be at 166 (upper quartile is 166)
 Page 105, question 4: for '12' read '13' four times
 Page 151, question 7: for '19.90 French francs' read '1.99 euros', and in last line for 'francs' read 'euros'
 Page 153, question 6: replaced with 'Use your calculator to find the value of $9.31 \div 2.53$.
 Give your answer to an appropriate degree of accuracy.'
 Page 158, question 1: part (a) has been removed
 Page 173, table, second column: for '0.3' read ' $0.\dot{3}$ ' and for '0.6' read ' $0.\dot{6}$ '.
 Page 180, text above teaspoon: for '1 gram' read '5 grams'
 Page 208, question 9: for '39 French francs' read '3.9€' and for '18 French francs' read '1.8€'
 Page 215, question 6 replaced with:
 A train travels 90 miles in $2\frac{1}{2}$ hours.
 (a) What is its average speed?
 (b) Approximately how far has the train travelled in kilometres?
 Page 220, line 6: for '10by' read '10y'
 Page 220, Example part (a): should read ' $2 \times a \times b \times 4$ '
 Page 221, part (b): second line should read ' $8 \times xz/y$ ', third line should read ' $8xz/y$ '
 Page 226, question 1, part (e): for ' $d^2 + d$ ' read ' $d^2 - d$ '
 Page 231, Example 1: last line in calculation should read ' $x = 4\frac{1}{4}$ '
 Page 240, question 2, part (e): should read '6 179 500'
 Page 241, question 2: part (c) should read ' $4a + 3b - 2a - b$ ', part d should read ' $4a + 5b + 7a + 6b + a$ '
 Page 241: question 3 has been removed
 Page 241, question 4 (now question 3): part (a) should read ' $4a \times 3ab \times 5ab$ ', part b should read ' $2a \times 6ab \div 4ab$ '
 Page 244, new question 19:
 $u = 6 \times 10^8$ $v = 4 \times 10^6$
 Evaluate uv . Give your answer in standard form.
 Page 248, step 4: for ' $y = x + 1$ ' read ' $y = x - 1$ '
 Page 255, Example 3, line 1: for ' $2y + x = -4$ ' read ' $2y + x = 4$ '
 Page 256, question 1, graph (e) should go through (-2, 0); graph (f) should go through (0, 5) and (4, 4)
 Page 256, question 2, graph (i): line should be steeper, but still go through origin
 Page 259: in Note box, for 'y from 1 to 17' read 'y from -1 to 17'
 Page 265, question 3: parts (b) and (c) have been removed
 Page 266: question 4 and question 6 part (c) have been removed
 Page 285, text under heading 3.11: for ' $x^2 + 6x = -5$ ' read ' $x^2 + 6x = 5$ ',
 for ' $x^2 + 6x + 5 = 0$ ' read ' $x^2 - 6x + 5 = 0$ '
 Page 288: question 7, part (b): for 'r' read 'R'

Page 290, question 10: equate each expression to zero

Page 290, question 1: part (b) has been removed

Page 291, question 6: part (b) has been removed

Page 292, question 7: part (b) has been removed

Page 292: a new question 8 has been inserted:

(a) On a graph draw and label the lines

$$x = 1 \quad \text{and} \quad x + y = 4$$

(b) Show clearly on the graph the single region that is satisfied by all of these inequalities.

$$y \geq 0, \quad x \geq 1, \quad x + y \leq 4$$

Label this region R .

Page 302: question 2 should read 'a triangular prism (equilateral)'

Page 309: questions 10 and 11 have been removed

Page 317: positions of E and W should be swapped on compass

Page 333, third and fourth to last lines: for 'given as equal lengths' read 'given as equal angles'

Page 339, Example 1, second diagram: side RP should be labelled x , not side RQ

Page 339, Example 1, solution (b) should read:

(b) Scale factor of the enlargement = $PQ/AC = 5.8/6.3 = 0.92$

$$\text{So } x/4.5 = 0.92$$

$$x = 4.5 \times 0.92$$

$$x = 4.14 \text{ cm}$$

Page 341, question 1 part (d), second diagram: for ' i ' read '12'

Page 343, question 8, part (a): for ' ABE ' read ' ABC ', and side AB should be labelled 13 cm on the diagram

Page 348, question 3, part (a): for ' $ABC = 5 \text{ cm}$ ' read ' $AB = 5 \text{ cm}$ '

Page 357: diagram for 6.3 'Rotation' should be adjusted so that the left-hand shape is lower

Page 365, question 3: for '(5, 2)' read '(3, 1)'

Page 368, Example: the triangular prism should have length 12 cm and height 6 cm

Page 371: question 1, diagram: from top to bottom the shapes should be labelled B, C, A .

Page 378, Example 1, solution (b): units of answer should be ' cm^2 '

Page 383, Example 1: answer for area should be ' 40.7 cm^2 '

Page 384, question 2: for '11.5 cm' read '11.5 mm'

Page 384, question 6: for 'outside diameter 2.8 cm' read 'outside radius 2.8 cm'

Page 388, question 6: for 'sides 5 cm, 5 cm and 8 cm' read 'base 5 cm and height 8 cm'

Page 389, Example: second line for Curved surface area should read ' $= 2\pi \times 2.8 \times 36$ '

Page 389, question 2: final line should read 'Find the total area of the sides of the pencil.'

Page 390, question 4: units on the diagram should be 'cm' not 'm'

Page 391, Example: second line, second formula should be ' πr^3 '; fifth line, formula should be ' πr^3 '; second formula in final sentence should be ' $\pi r^2 l$ '

Page 392, Example 2, diagrams: side AB should be labelled 3.4, PQ should be 8.5, QR should be 15

Page 392, Example 2, second line: for ' 7.88 cm^2 ' read ' 7.92 cm^2 '

Page 393, line 2: for ' $\times 7.88$ ' read ' $\times 7.92$ '; in line 3 for ' 49.2 cm^2 ' read ' 49.5 cm^2 '

Page 396, question 5: for 'sides 13 cm, 13 cm and 10 cm,' read 'base 10 cm and height 13 cm.'

Page 400: question 9 has been removed

Page 412: Example 4, solution part (b), second line: for '131' read '113'

Page 413: Example 1 should refer to AE not AB

Page 414, question 4, line 3: for '200 yards' read '2000 yards'

Page 415, question 3, part (a): side ST should be labelled 6.4 cm.

Page 420, Example part (c): should end 'than meat C?'

Page 431, Example solution part (a)(i): line 1, for '10 divisions' read '5 divisions'; line 2, calculation should read ' $50/5 = 10$ miles'

Page 431, Example solution part (b)(i), line 1: for ' 8×5 ' read ' 4×10 '

Page 443, question 12: cells in columns 3 to 7 in second row of table should be blank

Page 444, question 2 part (a)(i): should read ' $2p + p + 5p$ '

Page 445, question 5 part (a), line 1: for ' 60 cm^2 ', read ' 60 cm^3 '

Page 456, Task 3, line 3: 'not' has been removed

Page 470, table: 2nd column should be Tabloid, 35, 50, 1000 cm^2 ; 3rd column should be Broadsheet, 30, 30, 2000 cm^2

Page 472: last row in table has been removed; in note under table, for ' 10 cm ' read ' 15 cm '

Page 478, line 6: for 'Collection' read 'Correlation'

Page 478, first 4 lines of calculation: a minus sign should be inserted between ' $r = 1$ ' and the fraction