1.10 BIDMAS: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Work out 10 - (3 + 2) x 2

(Total for Question 1 is 2 marks)

2 Amara types 6 + 4 x 2 into her calculator and gets an answer of 20.

(a) Explain the mistake Amara has made. **(1)**

(b) Work out the correct answer to 6 + 4 x 2 **(2)**

(Total for Question 2 is 3 marks)

3 Insert one pair of brackets into 2 + 3 x 4 to make the calculation equal to 20.

(Total for Question 3 is 1 mark)

4 A market stall sells apples at 35p each and bananas at 20p each. Callum buys 4 apples and 3 bananas. Work out the total cost of Callum's shopping.

(Total for Question 4 is 2 marks)

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Mark scheme · 1.10 BIDMAS: 10-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

3 + 2 = 5 and 5 x 2 = 10 seen	**M1**
0 cao	**A1**

Answer: 0

Question 2

(a) correct reference to the order of operations, e.g. she added 6 + 4 first instead of doing the multiplication first, oe	**B1**

(a) Answer: Amara added 6 + 4 = 10 before multiplying by 2, but multiplication must be done before addition

(b) 4 x 2 = 8 seen	**M1**
(b) 14 cao	**A1**

(b) Answer: 14

Question 3

(2 + 3) x 4 written, oe	**B1**

Answer: (2 + 3) x 4

Question 4

4 x 0.35 (= 1.40) and 3 x 0.20 (= 0.60) both seen, or an equivalent method combining the two costs correctly	**M1**
£2 cao (accept £2.00 or 200p, ft from a correct method with one arithmetic slip)	**A1**

Answer: £2

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