4.8 Expanding and Factorising: 10-minute Pack

EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Expand fully: (x + 5) + (2x + 3).

(Total for Question 1 is 2 marks)

2 Expand and simplify: 4(x - 2) - 2x.

(Total for Question 2 is 2 marks)

3 Factorise fully: 6y + 9.

(Total for Question 3 is 3 marks)

4 Factorise fully 15x + 20

(Total for Question 4 is 1 mark)

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Mark scheme · 4.8 Expanding and Factorising: 10-minute Pack

Question 1

collect like terms shown: x + 2x and 5 + 3	**M1**
3x + 8 cao	**A1**

Answer: 3x + 8

Question 2

expand 4(x - 2) to 4x - 8 or equivalent	**M1**
2x - 8 cao	**A1**

Answer: 2x - 8

Question 3

identify common factor 3 and show factoring step: 3(2y + 3) or equivalent	**M1**
3(2y + 3) cao	**A1**
final answer written in fully factorised form, 3(2y + 3) oe	**B1**

Answer: 3(2y + 3)

Question 4

5(3x + 4) cao	**B1**

Answer: 5(3x + 4)

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