3.18 Area of Compound Shapes: 10-minute Pack

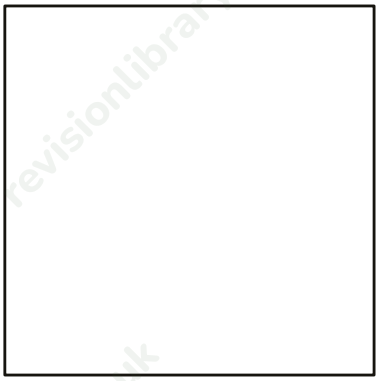
EDEXCEL 1MA1 · Calculator allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

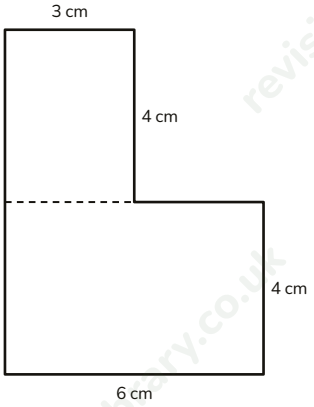
1 Work out the area of a square with side length 7 cm.



(Total for Question 1 is 1 mark)

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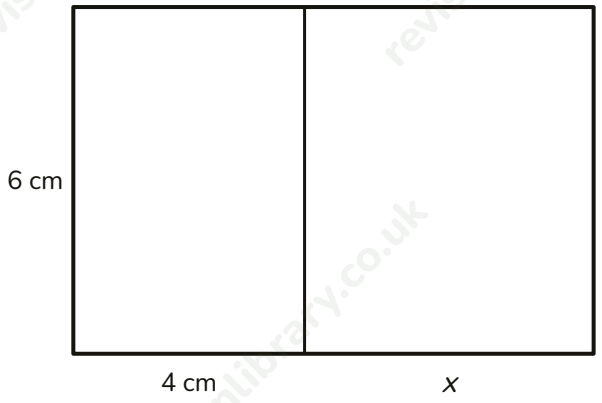
2 An L-shaped figure is made from two rectangles. One rectangle is 6 cm by 4 cm and the other is 3 cm by 4 cm. Work out the total area of the L-shape.



(Total for Question 2 is 2 marks)

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3 A composite shape is made from two rectangles side by side. Both rectangles have height 6 cm. The left rectangle has width 4 cm. The total area of the composite shape is 60 cm². Find the width of the right rectangle.



(Total for Question 3 is 3 marks)

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4 A rectangular playground is 20 m by 12 m. A paved patio of 6 m by 5 m occupies one corner. Work out the area of the playground that is not paved.

(Total for Question 4 is 3 marks)

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Mark scheme · 3.18 Area of Compound Shapes: 10-minute Pack

Question 1

49 cm² cao	**B1**

Answer: 49 cm^2 (or 49)

Question 2

find areas of the two rectangles, 6×4 and 3×4, or equivalent method	**M1**
36 cm² cao (24 + 12 = 36)	**A1**

Answer: 36 cm^2

Question 3

form equation (4 + x) × 6 = 60 or equivalent	**M1**
solve for x: 6(4 + x) = 60 -> 4 + x = 10	**M1**
x = 6 cm cao	**A1**

Answer: 6 cm

Question 4

use 20×12 - 6×5 or equivalent	**M1**
compute 240 - 30	**M1**
210 m² cao	**A1**

Answer: 210 m^2

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