

Area

Mark Scheme

Level	GCSE
Subject	Maths
Exam Board	Edexcel GCSE
Topic	Area
Grade Level	Grade 1/2
Booklet	Mark Scheme

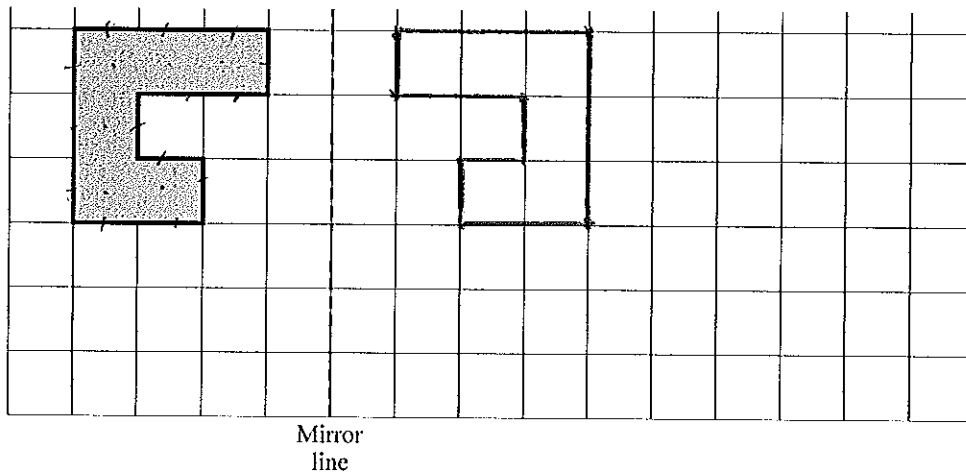
Time Allowed: 51 minutes

Score: /42

Percentage: /100

Grade Boundaries:

1. A shaded shape is shown on the grid of centimetre squares.



- (a) Work out the perimeter of the shaded shape.

.....14.....cm

(1)

- (b) Work out the area of the shaded shape.

.....6.....cm²

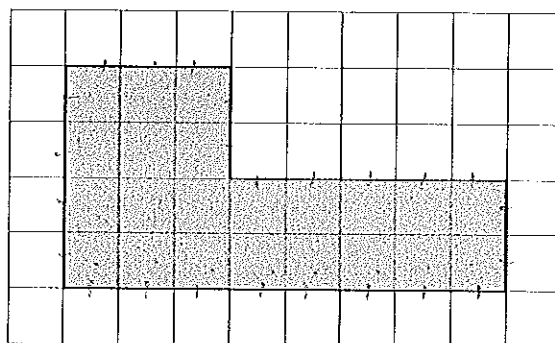
(1)

- (c) Reflect the shaded shape in the mirror line.

(2)

(4 marks)

2.



The shaded shape is drawn on a grid of centimetre squares.

- (a) Find the perimeter of the shaded shape.

.....24.....cm

(1)

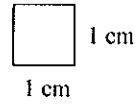
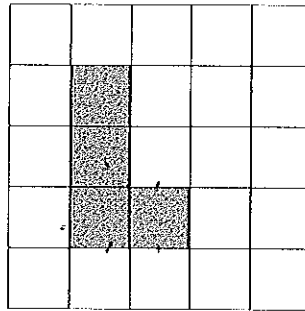
- (b) Find the area of the shaded shape.

.....22.....cm²

(1)

(2 marks)

3.

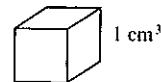
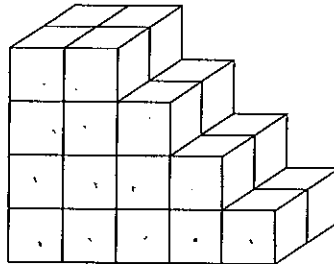


- (a) (i) Find the area of the shaded shape.
 (ii) Find the perimeter of the shaded shape.

.....4..... cm²
10..... cm

(2)

Here is a solid prism made from centimetre cubes.



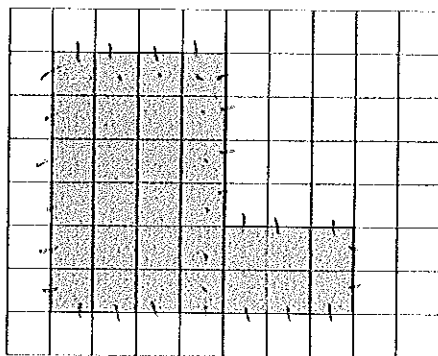
- (b) Find the volume of the solid prism.

.....28..... cm³

(2)

(4 marks)

4.



A shaded shape is shown on the grid of centimetre squares.

- (a) Find the perimeter of the shaded shape.

.....26..... cm

(1)

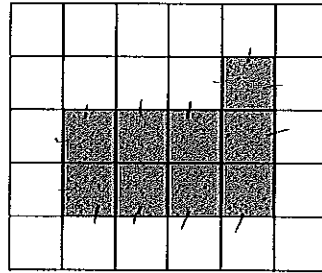
- (b) Find the area of the shaded shape.

.....30..... cm²

(1)

(2 marks)

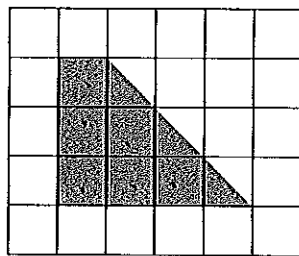
5. A shaded shape has been drawn on a grid of centimetre squares.



- (a) Find the perimeter of the shaded shape.14.....cm

(1)

Another shaded shape has been drawn on a grid of centimetre squares.

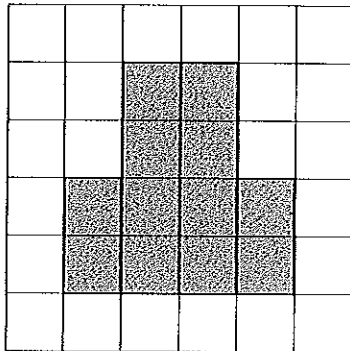


- (b) Find the area of the shaded shape.7.5..... cm²

(2)

(3 marks)

6. This shaded shape is drawn on a centimetre grid.



- (a) Work out the perimeter of the shaded shape.

.....16..... cm

(1)

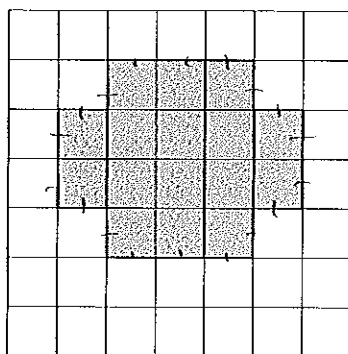
- (b) Work out the area of the shaded shape.

.....12..... cm²

(1)

(2 marks)

7.



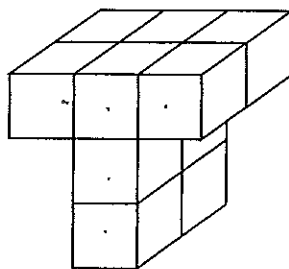
The diagram shows a shaded shape drawn on a centimetre grid.

- (a) Find the area of the shaded shape.
State the units of your answer.

.....16.....cm² (2)

- (b) Find the perimeter of the shaded shape.

.....18.....cm (1)



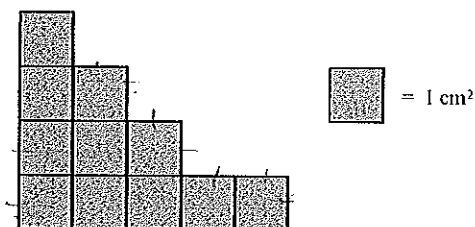
The diagram shows a prism made of centimetre cubes.

- (c) Find the volume of the prism.

.....10.....cm³ (2)

(5 marks)

8.



- (a) Find the area of the shape.

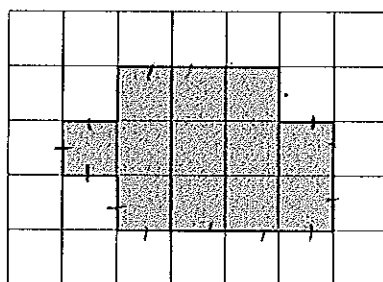
.....10.....cm² (1)

- (b) Find the perimeter of the shape.

.....18.....cm (2)

(3 marks)

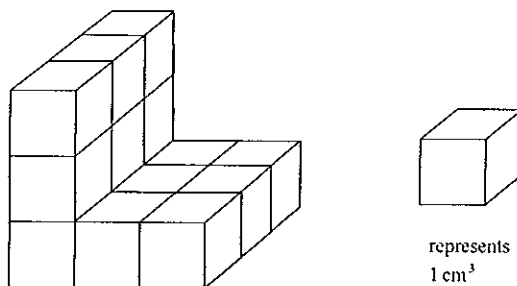
9.



The diagram shows a shaded shape drawn on a centimetre grid.

(a) Work out the perimeter of the shaded shape.16..... cm (1)

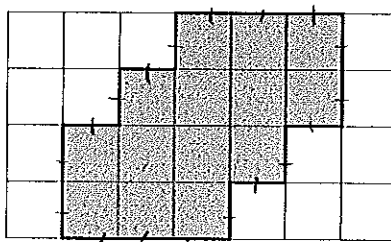
(b) Work out the area of the shaded shape.
State the units of your answer.12 cm²..... (2)



Here is a solid prism made of centimetre cubes.

(c) Find the volume of the solid prism.15..... cm³ (2)
(5 marks)

10. This shaded shape is drawn on a grid of centimetre squares.

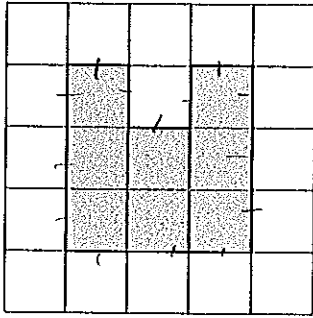


(a) Find the perimeter of the shaded shape.18..... cm (1)

(b) Find the area of the shaded shape.14..... cm² (1)

(2 marks)

11. Here is a shaded shape on a centimetre grid.



- (a) Find the area of the shaded shape.

.....8..... cm^2

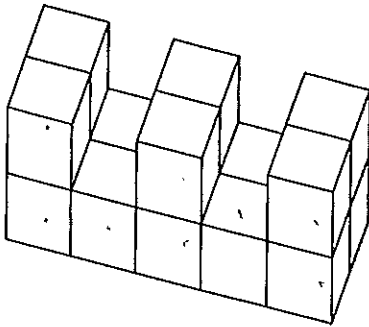
(1)

- (b) Find the perimeter of the shaded shape.

.....14..... cm

(2)

Here is a solid prism made of centimetre cubes.



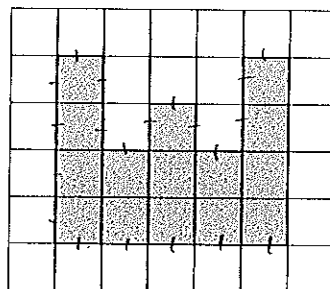
- (c) Find the volume of the solid prism.

.....16..... cm^3

(2)

(5 marks)

12. A shaded shape has been drawn on the centimetre grid.



- (a) Find the perimeter of the shaded shape.

.....24..... cm

(1)

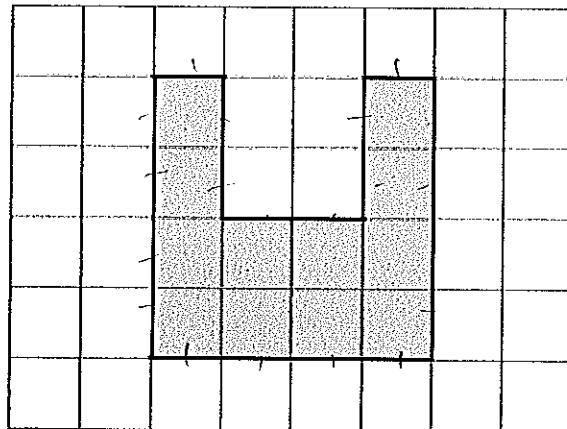
- (b) Find the area of the shaded shape.

.....15..... cm^2

(1)

(2 marks)

13. This shaded shape is drawn on a grid of centimetre squares.



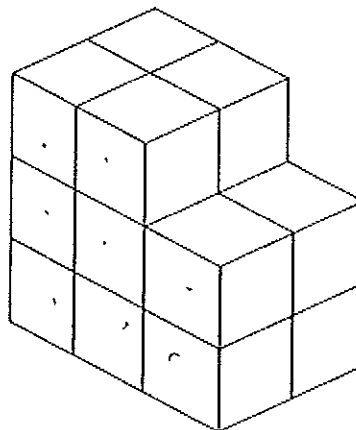
(a) (i) Find the perimeter of the shaded shape.

.....20..... cm

(ii) Find the area of the shaded shape.

.....12..... cm²
(2)

This solid prism is made from centimetre cubes.



(b) Find the volume of the prism.

.....16..... cm³
(1)

(Total 3 marks)